**3GPP TSG-SA WG1 Meeting #102 S1-231002**

**Berlin, Germany, 22 - 26 May 2023**

Title: 2nd Draft Agenda for SA1#102

Ag. Item: 1.1

Source: SA1 Chairperson

Contact: Jose Almodovar

Submission Guidelines

* **Submission deadlines:**
  1. Tdoc **number** and **CR number** requests:     **Friday,** 12 May 2023, 23:00 UTC
  2. Document **submission**:                                **Friday,** 12 May 2023, 23:00 UTC
* Documents that miss either deadline will be considered as **LATE** and will be given low priority
* **Tdoc numbers and CR numbers** can be reserved and documents uploaded at <https://portal.3gpp.org/> (register, then click on the "C" next to 3GPPSA1#97e)
* Please use the document templates available at <https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_102_Berlin/templates>
* For CRs:
  + **TEI18 CRs will only be accepted if there is no impact to Stage 2 or Stage 3 or for alignment purposes**
  + **CRs** **MUST have a CR number** allocated by the 3GPP Portal BEFORE being submitted
  + **CRs MUST have a Work Item code**, and the WI code must be valid for the specific release (e.g. a Rel-18 CR with Rel-17 WI is not permitted, except for cat. A CR)
  + Work Item Codes for the CRs are available in the [Work Plan](https://ftp.3gpp.org/Information/WORK_PLAN) (SA1 work items in [S1-231003](file:///E:\TSGS1_102_Berlin\Docs\S1-231003.zip) or at <http://www.3gpp.org/ftp/Specs/html-info/TSG-WG--s1--wis.htm> ).

**LEGEND**

**Doc Type**: AGE (Agenda), CC (Incoming Liaison Statement Copied to SA1), Cont (Contribution), CR (Change request), , LS OUT(Outgoing Liaison Statement), TO (Incoming Liaison Statement To SA1), TR (Technical Report), TS (Technical Specification), REP (Report), WID (Work Item Description), WP (Work Plan)

**Conclusion**: Agreed, Approved, Revised to S1-23xxxx, Noted, Withdrawn, Moved to section xxx, Rejected, Postponed, Email Approval, Not Handled, Unallocated, Drafting

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Doc  Type | Tdoc number | Sourcing company(ies) | Document Title | Conclusion | Comments |
| CR | S1-19xxxx | Source | Title | Agreed / Approved |  |
| CR | S1-19xxxx | Source | Title | Revised to S1-23xxxx |  |
| CR | S1-19xxxx | Source | Title | Noted |  |
| CR | S1-19xxxx | Source | Title | Withdrawn |  |
| CR | S1-19xxxx | Source | Title | Moved to section xxx |  |
| CR | S1-19xxxx | Source | Title | Rejected |  |
| CR | S1-19xxxx | Source | Title | Postponed |  |
| CR | S1-19xxxx | Source | Title | Email Approval |  |
| CR | S1-19xxxx | Source | Title | Not Handled |  |
|  | S1-19xxxx |  |  | Unallocated / Drafting |  |

**MEETING ROOMS:**

ROOM IV (2nd floor): Plenary/Drafting

ROOM IX (1st floor): Breakout

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|  |  | **Monday** | **Tuesday** | **Wednesday** |  | **Thursday** | **Friday** |
| **Q0** | **08:00**  **09:00** |  | **Drafting 1 (ROOM IV):**  Metaverse  **Drafting 2 (ROOM IX):**  ISN | **Drafting 1 (ROOM IV):**  Metaverse  **Drafting 2 (ROOM IX):**  ISN | **08:00**  **09:00** | **Drafting 1 (ROOM IV):**  Sensing | **[Plenary]** |
| **Q1** | **09:00**  **10:30** | (start at 09:00)  **Plenary:**  1. Opening + Elections  2. Reports  3. LSs | **Drafting 1 (ROOM IV):**  Metaverse  =================  **Drafting 2 (ROOM IX):**  NetShare + AIML\_Ph2 | **Drafting 1 (ROOM IV):**  Metaverse  =================  **Drafting 2 (ROOM IX):**  NetShare + AIML\_Ph2 | **09:00**  **10:30** | 2. Reports  3. LSs  4. New WIDs | **Plenary** |
|  | **Coffee** |  |  |  | **Coffee** |  |  |
| **Q2** | **11:00**  **12:30** | **Plenary:**  3. LSs | **Drafting 1 (ROOM IV):**  Sensing  =================  **Drafting 2 (ROOM IX):**  DualSteer+UAV | **Drafting 1 (ROOM IV):**  Sensing  =================  **Drafting 2 (ROOM IX):**  DualSteer+UAV | **11:00**  **12:30** | 5.Quality Improv  6.1. & 6.3  7.13. Other Rel-19  7.1 Sensing | **Plenary** |
|  | **Lunch** |  |  | **Lunch New incomers**  **(Chair & Secretary)** | **Lunch** |  |  |
| **Q3** | **14:00**  **16:00** | **Plenary:**  4. New WIDs | **Drafting 1 (ROOM IV):**  Sensing  =================  **Drafting 2 (ROOM IX):**  5GSAT\_Ph3 | **Drafting 1 (ROOM IV):**  Sensing  =================  **Drafting 2 (ROOM IX):**  5GSAT\_Ph3 | **14:00**  **15:30** | 7.2 Ambient IoT  7.3 Metaverse | **Plenary** |
|  | **Coffee** |  |  |  | **Coffee** |  |  |
| **Q4** | **16:30**  **18:00** | **Plenary:**  4. New WIDs  5.Quality Improv  6.1. & 6.3  7.13. Other Rel-19 | **Drafting 1 (ROOM IV):**  Ambient IoT =================  **Drafting 2 (ROOM IX):**  EnergyServ + SOBOT | **Drafting 1 (ROOM IV):**  Ambient IoT =================  **Drafting 2 (ROOM IX):**  EnergyServ+SOBOT | **16:00**  **18:00** | 7.5 FRMCS  7.4 NetShare  7.7 5GSat  7.10 Energy Serv.  7.11 SOBOT  7.12 ISN  7.8 UAV  7.9 Dual Steer |  |
|  |  |  |  |  |  |  |  |
| **Q5** | **18:10**  **19:10** | **[Drafting 1 (ROOM IV):]**  [Ambient IoT]  **[Drafting 2 (ROOM IX):]**  [FRMCS] | **MMS**  (19:00) | **Drafting 1 (ROOM IV):**  Ambient IoT  **Drafting 2 (ROOM IX):**  EnergyServ+SOBOT | **18:10**  **19:10** | 7.6 AIML\_Ph2 |  |

**NOTE:**

**Slots scheduled based on contributions submitted. Slot allocation is a rough guideline and is subject to change during the meeting week.**

**Drafting sessions (including drafting/work item):**

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| Sensing *– chaired by Jose Almodovar* | *ISN – chaired by Xu Xia* | EnergyServ + SOBOT *– chaired by Yusuke Nakano* |
| Ambient IoT *– chaired by Jose Almodovar* | NetShare + AIML\_Ph2*– chaired by Xu Xia* | 5GSAT\_Ph3 *– chaired by Toon Norp* |
| Metaverse *– chaired by Yusuke Nakano* | UAV\_Ph3 + DualSteer *– chaired by Mark Younge* | *FRMCS – chaired by Mona Mustapha* |

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| Opening of the meeting | | | | | | |
| Opening of the meeting at 09:00 CET on Monday 22 May 2023 | | | | | | |
| Agenda and scheduling | | | | | | |
| AGE | [S1-231000](file:///E:\TSGS1_102_Berlin\Docs\S1-231000.zip) | SA1 Chairman | Draft agenda for SA1#102 | Revised to S1-231001 | |  |
| AGE | [S1-231001](file:///E:\TSGS1_102_Berlin\Docs\S1-231001.zip) | SA1 Chairman | Draft agenda for SA1#102 | Revised to S1-231002 | | Revision of S1-231000. |
| AGE | [S1-231002](file:///E:\TSGS1_102_Berlin\Docs\S1-231002.zip) | SA1 Chairman | Agenda for SA1#102 | Agreed | | *Revision of S1-231000.*  Revision of S1-231001. |
| IPR, antitrust and competition laws | | | | | | |
|  | | **IPR call reminder**  I draw your attention to your obligations under the 3GPP Partner Organizations’ IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.  Delegates are asked to take note that they are thereby invited:   * to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP. * to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms.   **Antitrust policy Reminder**  I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this WG meeting including the Chairperson and Vice Chairperson. In case of question I recommend that you contact your legal counsel.  The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.  Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG meetings is important to allow for full and fair consideration of such matters. | | | |  |
| Previous SA1 meeting report | | | | | | |
| The report of the last meeting will be approved at the start of the meeting. | | | | | | |
| REP | [S1-231004](file:///E:\TSGS1_102_Berlin\Docs\S1-231004.zip) | ETSI | Draft minutes of SA1#101 | Revised to S1-231005 | |  |
| REP | [S1-231005](file:///E:\TSGS1_102_Berlin\Docs\S1-231005.zip) | ETSI | Minutes of SA1#101 | Agreed | | Revision of S1-231004. |
| Information for delegates | | | | | | |
| Draft TR/TS to SA plenary for information: delegates are encouraged to send draft TR/TS for information as soon as there is useful content to be reviewed. Draft TR/TS can be sent to SA plenary for information more than once.  Drafting p-CRs:   * All changes must be shown using revision marks against existing text in the draft TS/TR, otherwise p-CRs may be Noted   For more info: <ftp://ftp.3gpp.org/tsg_sa/WG1_Serv/Delegate_Guidelines_v10.doc>  When writing CRs, please follow the guidance provided in SP-220006 (Guidelines to write CRs) | | | | | | |
| Information for rapporteurs | | | | | | |
| "Beginner's guide" for writing a new TS/TR is available at <http://www.3gpp.org/specifications-groups/delegates-corner/writing-a-new-spec> (feedback on content is welcome!)  For detailed drafting guidelines, please see [TR 21.801](http://www.3gpp.org/DynaReport/21801.htm)  Rapporteurs are expected to produce a work item/study item status report for the end of the meeting under agenda item 9.2. The template is available [here](http://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_85_Tallin/templates/Template_WI_Status_Update.zip).  For draft TR/TS, the rapporteur is expected to update the draft TR/TS with all contributions agreed at the meeting before the meeting is closed. | | | | | | |
| Working agreements | | | | | | |
| None | | | | | | |
| SA1 chairperson elections | | | | | | |
| During the 3GPP SA1 #102 meeting there will be elections for 3GPP SA1 chair.  Known candidates are currently: Jose Almodovar (KPN) | | | | | | |
| Reports and action items | | | | | | |
| REP | [S1-231003](file:///E:\TSGS1_102_Berlin\Docs\S1-231003.zip) | ETSI MCC | Extract of the 3GPP Work Plan | Noted | |  |
| REP | [S1-231006](file:///E:\TSGS1_102_Berlin\Docs\S1-231006.zip) | SA1Chair | SA1-related topics at last SA plenary | Noted | |  |
| Cont | [S1-231011](file:///E:\TSGS1_102_Berlin\Docs\S1-231011.zip) | SA1 Chair & ETSI MCC | Initial considerations about Rel-20 calendar | Revised to S1-231465 | |  |
| Cont | [S1-231465](file:///E:\TSGS1_102_Berlin\Docs\S1-231465.zip) | SA1 Chair & ETSI MCC | Initial considerations about Rel-20 calendar | Revised to S1-231466 | | Revision of S1-231011. |
| Cont | [S1-231466](file:///E:\TSGS1_102_Berlin\Docs\S1-231466.zip) | SA1 Chair & ETSI MCC | Initial considerations about Rel-20 calendar | Withdrawn | | *Revision of S1-231011.*  Revision of S1-231465. |
| Cont | [S1-231009](file:///E:\TSGS1_102_Berlin\Docs\S1-231009.zip) | SA1 Chair | Draft SA1 slides to Rel-19 TSG workshop | Noted | |  |
| Cont | [S1-231012](file:///E:\TSGS1_102_Berlin\Docs\S1-231012.zip) | SA1 Chair & ETSI MCC | New template for Status Report | Noted | |  |
| Guidelines | | | | | | |
| Cont | [S1-231007](file:///E:\TSGS1_102_Berlin\Docs\S1-231007.zip) | ETSI MCC | MCC info on CR Rules | Noted | |  |
| Cont | [S1-231008](file:///E:\TSGS1_102_Berlin\Docs\S1-231008.zip) | ETSI MCC | MCC info on WID names | Noted | |  |
| Liaison Statements (including related contributions) | | | | | | |
| Periodic attempts for re-selection to a higher priority SNPN | | | | | | |
| TO | [S1-231023](file:///E:\TSGS1_102_Berlin\Docs\S1-231023.zip) | CT1 | LS on periodic attempts for re-selection to a higher priority SNPN when access for localized services in SNPN is enabled | Replied in S1-231752 | |  |
| OUT | [S1-231096](file:///E:\TSGS1_102_Berlin\Docs\S1-231096.zip) | OPPO | Reply to CT1 LS on periodic search for higher priority SNPN | Revised to S1-231366 | |  |
| OUT | [S1-231366](file:///E:\TSGS1_102_Berlin\Docs\S1-231366.zip) | OPPO | Reply to CT1 LS on periodic search for higher priority SNPN | Revised to S1-231467 | | Revision of S1-231096. |
| OUT | [S1-231467](file:///E:\TSGS1_102_Berlin\Docs\S1-231467.zip) | OPPO | Reply to CT1 LS on periodic search for higher priority SNPN | Revised to S1-231752 | | *Revision of S1-231096.*  Revision of S1-231366. |
| OUT | [S1-231752](file:///E:\TSGS1_102_Berlin\docs\S1-231752.zip) | OPPO | Reply to CT1 LS on periodic search for higher priority SNPN | Agreed | | *Revision of S1-231096.*  *Revision of S1-231366.*  Revision of S1-231467.  Clean tdoc and accept changes. |
| OUT | [S1-231275](file:///E:\TSGS1_102_Berlin\Docs\S1-231275.zip) | Huawei | Reply LS on periodic attempts for re-selection to a higher priority SNPN when access for localized services in SNPN is enabled | Merged into S1-231366 | |  |
| OUT | [S1-231183](file:///E:\TSGS1_102_Berlin\Docs\S1-231183.zip) | Qualcomm | Reply LS on periodic selection to a higher priority SNPN | Revised to S1-231355 | |  |
| OUT | [S1-231355](file:///E:\TSGS1_102_Berlin\Docs\S1-231355.zip) | Qualcomm | Reply LS on periodic selection to a higher priority SNPN | Noted | | Revision of S1-231183. |
| OUT | [S1-231215](file:///E:\TSGS1_102_Berlin\Docs\S1-231215.zip) | MediaTek | Draft Reply LS on periodic attempts for re-selection to a higher priority SNPN when access for localized services in SNPN is enabled | Merged into S1-231355 | |  |
| Proposed method for Time Synchronization status reporting to UE(s) | | | | | | |
| TO | [S1-231024](file:///E:\TSGS1_102_Berlin\Docs\S1-231024.zip) | CT1 | Response to Reply LS on Proposed method for Time Synchronization status reporting to UE(s) | Replied in 1285 | |  |
| OUT | [S1-231184](file:///E:\TSGS1_102_Berlin\Docs\S1-231184.zip) | Qualcomm | Reply LS on AC for time Sync status reporting | Noted | |  |
| CR | [S1-231185](file:///E:\TSGS1_102_Berlin\Docs\S1-231185.zip) | Qualcomm | 22.261v18.9.0 CR on new AC for UE sync status reporting | Noted | | *WI* TEI18 *Rel-18 CR*0689*R- Cat C* |
| OUT | [S1-231285](file:///E:\TSGS1_102_Berlin\Docs\S1-231285.zip) | Nokia | Reply LS on Proposed method for Time Synchronization status reporting to UE(s) | Agreed | |  |
| Access to stand-alone non-public network services via PLMN and vice versa | | | | | | |
| TO | [S1-231025](file:///E:\TSGS1_102_Berlin\Docs\S1-231025.zip) | CT1 | LS on access to stand-alone non-public network services via PLMN and vice versa | Postponed | |  |
| OUT | [S1-231186](file:///E:\TSGS1_102_Berlin\Docs\S1-231186.zip) | Qualcomm | Reply LS on access to NPN services via PLMN and vice versa | Noted | |  |
| OUT | [S1-231132](file:///E:\TSGS1_102_Berlin\Docs\S1-231132.zip) | China Mobile | Reply LS on access to stand-alone non-public network services via PLMN and vice versa | Revised to S1-231714 | |  |
| OUT | [S1-231714](file:///E:\TSGS1_102_Berlin\Docs\S1-231714.zip) | China Mobile | Reply LS on access to stand-alone non-public network services via PLMN and vice versa | Noted | | Revision of S1-231132. |
| Requirement on low power or high accuracy positioning | | | | | | |
| TO | [S1-231029](file:///E:\TSGS1_102_Berlin\Docs\S1-231029.zip) | SA2 | LS on the requirement on low power or high accuracy positioning | Replied in S1-231370 | |  |
| OUT | [S1-231289](file:///E:\TSGS1_102_Berlin\Docs\S1-231289.zip) | Huawei | LS response to SA2 on LPHAP | Revised to S1-231370 | |  |
| OUT | [S1-231370](file:///E:\TSGS1_102_Berlin\Docs\S1-231370.zip) | Huawei | LS response to SA2 on LPHAP | Agreed | | Revision of S1-231289.  Apply right format |
| OUT | [S1-231233](file:///E:\TSGS1_102_Berlin\Docs\S1-231233.zip) | Xiaomi | Reply LS on the requirement on low power or high accuracy positioning | Noted | |  |
| Cont | [S1-231054](file:///E:\TSGS1_102_Berlin\Docs\S1-231054.zip) | Xiaomi, Inspur | Discussion on Low Power High Accuracy Positioning (LPHAP) | Noted | |  |
| CR | [S1-231228](file:///E:\TSGS1_102_Berlin\Docs\S1-231228.zip) | Xiaomi, Inspur | 22.104v18.3.0 Clarification about LPHAP | Noted | | *WI* LPHAP *Rel-18 CR*0095*R- Cat F* |
| CR | [S1-231230](file:///E:\TSGS1_102_Berlin\Docs\S1-231230.zip) | Xiaomi, Inspur | 22.104v19.0.0 Clarification about LPHAP | Noted | | *WI* LPHAP *Rel-18 CR*0096*R- Cat A* |
| SENSE for home PLMN and disaster roaming PLMN | | | | | | |
| TO | [S1-231040](file:///E:\TSGS1_102_Berlin\Docs\S1-231040.zip) | C1-231235 | Reply LS to SA1 on SENSE for home PLMN and disaster roaming PLMN | Replied into S1-231804 | |  |
| OUT | [S1-231073](file:///E:\TSGS1_102_Berlin\Docs\S1-231073.zip) | vivo | Reply on Reply LS on SENSE for home PLMN and disaster roaming PLMN | Revised to S1-231354 | |  |
| OUT | [S1-231354](file:///E:\TSGS1_102_Berlin\Docs\S1-231354.zip) | vivo | Reply on Reply LS on SENSE for home PLMN and disaster roaming PLMN | Merge into S1-231804 | | Revision of S1-231073. |
| OUT | [S1-231236](file:///E:\TSGS1_102_Berlin\Docs\S1-231236.zip) | Apple | Reply LS on SENSE for home PLMN and disaster roaming PLMN | Revised to S1-231804 | |  |
| OUT | [S1-231804](docs\S1-231804.zip) | Apple | Reply LS on SENSE for home PLMN and disaster roaming PLMN | Agreed | | Revision of S1-231236. |
| CR | [S1-231239](file:///E:\TSGS1_102_Berlin\Docs\S1-231239.zip) | Apple | 22.011v18.4.0 Clarification on selection of Forbidden PLMN during Disaster Conditions when Operator controlled signal threshold applies | Revised to S1-231371 | | *WI Rel-18 CR*0350*R- Cat F* |
| CR | [S1-231371](file:///E:\TSGS1_102_Berlin\docs\S1-231371.zip) | Apple | 22.011v18.4.0 Clarification on selection of Forbidden PLMN during Disaster Conditions when Operator controlled signal threshold applies | Agreed | | *WI MINT, SENSERel-18 CR0350R- Cat F*  Revision of S1-231239. |
| CR | [S1-231240](file:///E:\TSGS1_102_Berlin\Docs\S1-231240.zip) | Apple | 22.011v19.0.0 Clarification on selection of Forbidden PLMN during Disaster Conditions when Operator controlled signal threshold applies | Revised to S1-231372 | | *WI Rel-18 CR*0351*R- Cat A* |
| CR | [S1-231372](file:///E:\TSGS1_102_Berlin\docs\S1-231372.zip) | Apple | 22.011v19.0.0 Clarification on selection of Forbidden PLMN during Disaster Conditions when Operator controlled signal threshold applies | Agreed | | *WI MINT, SENSERel-18 CR0351R- Cat A*  Revision of S1-231240. |
| Customer acceptance of limited QoS degradation to save energy in the network | | | | | | |
| TO | [S1-231035](file:///E:\TSGS1_102_Berlin\Docs\S1-231035.zip) | SA5 | LS on customer acceptance of limited QoS degradation to save energy in the network | Replied in 1468 | |  |
| OUT | [S1-231134](file:///E:\TSGS1_102_Berlin\Docs\S1-231134.zip) | China Mobile | Reply LS on customer acceptance of limited QoS degradation to save energy in the network | Revised to S1-231345 | |  |
| OUT | [S1-231345](file:///E:\TSGS1_102_Berlin\Docs\S1-231345.zip) | China Mobile | Reply LS on customer acceptance of limited QoS degradation to save energy in the network | Revised to S1-231376 | | Revision of S1-231134. |
| OUT | [S1-231376](file:///E:\TSGS1_102_Berlin\Docs\S1-231376.zip) | China Mobile | Reply LS on customer acceptance of limited QoS degradation to save energy in the network | Revised to S1-231468 | | *Revision of S1-231134.*  Revision of S1-231345. |
| OUT | [S1-231468](file:///E:\TSGS1_102_Berlin\Docs\S1-231468.zip) | China Mobile | Reply LS on customer acceptance of limited QoS degradation to save energy in the network | Agreed | | *Revision of S1-231134.*  *Revision of S1-231345.*  Revision of S1-231376.  Accept changes and clean up. Delete word Draft. |
| OUT | [S1-231252](file:///E:\TSGS1_102_Berlin\Docs\S1-231252.zip) | Nokia, Nokia Shanghai Bell | Reply LS on customer acceptance of limited QoS degradation to save energy in the network | Merge into S1-231345 | |  |
| DN energy efficiency | | | | | | |
| TO | [S1-231036](file:///E:\TSGS1_102_Berlin\Docs\S1-231036.zip) | SA5 | Reply LS on DN energy efficiency | Replied in 1469 | |  |
| OUT | [S1-231133](file:///E:\TSGS1_102_Berlin\Docs\S1-231133.zip) | China Mobile | Reply LS on Reply LS on DN energy efficiency | Revised to S1-231377 | |  |
| OUT | [S1-231377](file:///E:\TSGS1_102_Berlin\Docs\S1-231377.zip) | China Mobile | Reply LS on Reply LS on DN energy efficiency | Revised to S1-231469 | | Revision of S1-231133. |
| OUT | [S1-231469](file:///E:\TSGS1_102_Berlin\Docs\S1-231469.zip) | China Mobile | Reply LS on Reply LS on DN energy efficiency | Agreed | | *Revision of S1-231133.*  Revision of S1-231377.  Delete Draft  In the SA1 R19 study FS\_EnergyServ, several SA5 specifications mentioned in the incoming LS have been considered and referenced during the study, and some potential requirements have been consolidated from the use cases. Detailed information can be found in TR 22.882 [1]. |
| Energy Efficiency | | | | | | |
| CC | [S1-231037](file:///E:\TSGS1_102_Berlin\Docs\S1-231037.zip) | SA5 | LS on 3GPP work on Energy Efficiency | Replied in S1-231805 | |  |
| OUT | [S1-231260](file:///E:\TSGS1_102_Berlin\Docs\S1-231260.zip) | Nokia, Nokia Shanghai Bell | Reply LS on 3GPP work on Energy Efficiency | Revised to S1-231378 | |  |
| OUT | [S1-231378](file:///E:\TSGS1_102_Berlin\docs\S1-231378.zip) | Nokia, Nokia Shanghai Bell | Reply LS on 3GPP work on Energy Efficiency | Revised to S1-231805 | | Revision of S1-231260. |
| OUT | [S1-231805](docs\S1-231805.zip) | Nokia, Nokia Shanghai Bell | Reply LS on 3GPP work on Energy Efficiency | Agreed | | *Revision of S1-231260.*  Revision of S1-231378.  Clean LS |
| Roaming architecture updates | | | | | | |
| TO | [S1-231034](file:///E:\TSGS1_102_Berlin\Docs\S1-231034.zip) | SA3 | LS on Roaming architecture updates | Noted | |  |
| OUT | [S1-231268](file:///E:\TSGS1_102_Berlin\Docs\S1-231268.zip) | Vodafone | Reply LS on Roaming architecture updates | Noted | |  |
| Intermediaries in the roaming ecosystem | | | | | | |
| TO | [S1-231055](E:\\TSGS1_102_Berlin\\Docs\\S1-231055.zip) | GSMA 5GMRR Doc 41\_37r2 | LS to 3GPP (SA, SA1, SA2, SA3, CT4) on GSMA requirements regarding intermediaries in the roaming ecosystem | Replied in S1-231776 | |  |
| TO | [S1-231056](file:///E:\TSGS1_102_Berlin\Docs\S1-231056.zip) | GSMA 5GMRR#41 Doc 38r2 | LS to 3GPP SA1, SA2, SA3 on response to 3GPP on IPX Requirements for 5GS Roaming | Noted | |  |
| TO | [S1-231057](file:///E:\TSGS1_102_Berlin\Docs\S1-231057.zip) | GSMA 5GMRR Doc 41\_39r2 | LS to 3GPP SA1, SA2, SA3 on Roaming Value Added Service Requirements | Noted | |  |
| TO | [S1-231058](file:///E:\TSGS1_102_Berlin\Docs\S1-231058.zip) | GSMA 5GMRR Doc 41\_40r4 | LS to 3GPP SA1, SA2, SA3 on Roaming Hubbing requirements and response to S3-214456 | Noted | |  |
| OUT | [S1-231076](E:\\TSGS1_102_Berlin\\Docs\\S1-231076.zip) | Deutsche Telekom | LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | Revised to S1-231379 | |  |
| OUT | [S1-231379](file:///E:\TSGS1_102_Berlin\Docs\S1-231379.zip) | Deutsche Telekom | LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | Revised to S1-231470 | | Revision of S1-231076. |
| OUT | [S1-231470](file:///E:\TSGS1_102_Berlin\docs\S1-231470.zip) | Deutsche Telekom | LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | Revised to S1-231776 | | *Revision of S1-231076.*  Revision of S1-231379. |
| OUT | [S1-231776](file:///E:\TSGS1_102_Berlin\docs\S1-231776.zip) | Deutsche Telekom | LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | Agreed | | *Revision of S1-231076.*  *Revision of S1-231379.*  Revision of S1-231470.  Delete “join 3GPP and”  No presentation |
| Collaboration on metaverse standardization work | | | | | | |
| TO | [S1-231064](file:///E:\TSGS1_102_Berlin\Docs\S1-231064.zip) | ITU T Focus Group on metaverse (FG-MV)-LS1 | LS to SA1 on requesting collaboration on metaverse standardization work | Replied in S1-231753 | |  |
| OUT | [S1-231207](file:///E:\TSGS1_102_Berlin\Docs\S1-231207.zip) | Nokia, Nokia Shanghai Bell | Reply LS on requesting collaboration on metaverse standardization work | Revised to S1-231385 | |  |
| OUT | [S1-231385](file:///E:\TSGS1_102_Berlin\Docs\S1-231385.zip) | Nokia, Nokia Shanghai Bell | Reply LS on requesting collaboration on metaverse standardization work | Revised to S1-231471 | | Revision of S1-231207. |
| OUT | [S1-231471](file:///E:\TSGS1_102_Berlin\Docs\S1-231471.zip) | Nokia, Nokia Shanghai Bell | Reply LS on requesting collaboration on metaverse standardization work | Revised to S1-231753 | | *Revision of S1-231207.*  Revision of S1-231385. |
| OUT | [S1-231753](file:///E:\TSGS1_102_Berlin\docs\S1-231753.zip) | Nokia, Nokia Shanghai Bell | Reply LS on requesting collaboration on metaverse standardization work | Agreed | | *Revision of S1-231207.*  *Revision of S1-231385.*  Revision of S1-231471.  Clean track changes. |
| New LS OUT [To discuss in Metaverse draft session] | | | | | | |
| OUT | [S1-231204](file:///E:\TSGS1_102_Berlin\Docs\S1-231204.zip) | Nokia, Nokia Shanghai Bell | LS on Metaverse requirements and KPIs | Revised to S1-231596 | |  |
| OUT | [S1-231596](file:///E:\TSGS1_102_Berlin\Docs\S1-231596.zip) | Nokia, Nokia Shanghai Bell | LS on Metaverse requirements and KPIs | Revised to S1-231697 | | Revision of S1-231204. |
| OUT | [S1-231697](file:///E:\TSGS1_102_Berlin\Docs\S1-231697.zip) | Nokia, Nokia Shanghai Bell | LS on Metaverse requirements and KPIs | Revised to S1-231729 | | *Revision of S1-231204.*  Revision of S1-231596. |
| OUT | [S1-231729](file:///E:\TSGS1_102_Berlin\Docs\S1-231729.zip) | Nokia, Nokia Shanghai Bell | LS on Metaverse requirements and KPIs | Agreed | | *Revision of S1-231204.*  *Revision of S1-231596.*  Revision of S1-231697.  Clean track changes. Add SA in CC |
| OUT | [S1-231095](file:///E:\TSGS1_102_Berlin\Docs\S1-231095.zip) | Samsung | [DRAFT] LS on IMS-based 3D Avatar Call Support for Accessibility | Noted | |  |
| Other LSs IN [No answer – proposed to note] | | | | | | |
| TO | [S1-231060](file:///E:\TSGS1_102_Berlin\Docs\S1-231060.zip) | ISO/IEC JTC 1/SC 29 N 21129 | LS to 3GPP SA 1 on Video Coding for Machines and Haptic Use Cases | Noted | |  |
| TO | [S1-231065](file:///E:\TSGS1_102_Berlin\Docs\S1-231065.zip) | ITU T SG13-LS78 | LS to SA1 on Information and request of advice on the SG13 plan to initiate a new work item on "Requirements and framework of network function enhancements of IMT-2020 networks and beyond from the energy efficiency perspective" at its 23 October - 3 November 2023 meeting | Noted | |  |
| Proposed to Note | | | | | | |
| CC | [S1-231021](file:///E:\TSGS1_102_Berlin\Docs\S1-231021.zip) | CT1 | Reply LS on issues related to SNPN selection for localized services | Noted | |  |
| CC | [S1-231022](file:///E:\TSGS1_102_Berlin\Docs\S1-231022.zip) | CT1 | Reply LS on 3GPP work on Energy Efficiency | Noted | |  |
| CC | [S1-231026](file:///E:\TSGS1_102_Berlin\Docs\S1-231026.zip) | CT3 | Reply LS on 3GPP work on Energy Efficiency | Noted | |  |
| CC | [S1-231027](file:///E:\TSGS1_102_Berlin\Docs\S1-231027.zip) | RAN2 | Reply LS to SA2 on Low Power High Accuracy Positioning | Noted | |  |
| CC | [S1-231066](file:///E:\TSGS1_102_Berlin\Docs\S1-231066.zip) | SP-230384 | Reply LS (cc SA1) on 5G capabilities exposure for factories of the future – identified gaps | Noted | |  |
| CC | [S1-231028](file:///E:\TSGS1_102_Berlin\Docs\S1-231028.zip) | SA2 | Reply LS on 5G capabilities exposure for factories of the future – identified gaps (5G-ACIA-LS-2022-005 / S2-2302175) | Noted | |  |
| CC | [S1-231032](file:///E:\TSGS1_102_Berlin\Docs\S1-231032.zip) | SA3 | LS reply to TSG SA on LS 5G-ACIA-LS-2022-005 on 5G capabilities exposure for factories of the future – identified gaps from 5G ACIA | Noted | |  |
| CC | [S1-231038](file:///E:\TSGS1_102_Berlin\Docs\S1-231038.zip) | SA6 | LS reply to TSG SA on LS 5G-ACIA-LS-2022-005 on 5G capabilities exposure for factories of the future – identified gaps from 5G ACIA | Noted | |  |
| CC | [S1-231030](file:///E:\TSGS1_102_Berlin\Docs\S1-231030.zip) | SA2 | Reply LS on clarification on user consent for AI/ML | Noted | |  |
| CC | [S1-231031](file:///E:\TSGS1_102_Berlin\Docs\S1-231031.zip) | SA2 | Reply LS on issues related to SNPN selection for localized services | Noted | |  |
| CC | [S1-231033](file:///E:\TSGS1_102_Berlin\Docs\S1-231033.zip) | SA3 | Reply LS on the user consent for trace reporting | Noted | |  |
| CC | [S1-231039](file:///E:\TSGS1_102_Berlin\Docs\S1-231039.zip) | SA6 | LS on SA6 V2X service support | Noted | |  |
| CC | [S1-231059](file:///E:\TSGS1_102_Berlin\Docs\S1-231059.zip) | GSMA 5GMRR Doc 41\_41r3 | LS (cc SA1) on GSMA 5GMRR Working solution assumption on L-PRINS and Data Session Control | Noted | |  |
| CC | [S1-231061](file:///E:\TSGS1_102_Berlin\Docs\S1-231061.zip) | S2-2303689 | Reply LS (cc SA1) on Progress and open issues for NPN enhancements in Rel-18 | Noted | |  |
| CC | [S1-231062](file:///E:\TSGS1_102_Berlin\Docs\S1-231062.zip) | S4-230431 | LS to SA, SA1, SA2, SA3, SA5, SA6 An Invitation to the SA4 Gender Diversity Committee Meetings | Noted | |  |
| CC | [S1-231063](file:///E:\TSGS1_102_Berlin\Docs\S1-231063.zip) | ITU-T Study Group 13 -LS79 | LS (Cc SA1) on initiation of new work item ITU-T Y.REOUPF: “Resource efficiency optimization for managing user plane function in IMT-2020 networks and beyond” | Noted | |  |
|  | [S1-231203](file:///E:\TSGS1_102_Berlin\Docs\S1-231203.zip) | Nokia, Nokia Shanghai Bell | LS on Metaverse requirements and KPIs | Withdrawn | |  |
| New Work Items (including related contributions) | | | | | | |
| WIDs Rel-19 | | | | | | |
| WID | [S1-231041](file:///E:\TSGS1_102_Berlin\Docs\S1-231041.zip) | Deutsche Telekom AG, Orange, Sharp Corporation, ZTE | New WID on Integrated Sensing and Communication | Revised to S1-231559 | |  |
| WID | [S1-231446](file:///E:\TSGS1_102_Berlin\Docs\S1-231446.zip) | Deutsche Telekom AG, Orange, Sharp Corporation, ZTE | New WID on Integrated Sensing and Communication | Revised to S1-231559 | | Revision of S1-231041. |
| WID | [S1-231559](file:///E:\TSGS1_102_Berlin\docs\S1-231559.zip) | Deutsche Telekom AG, Orange, Sharp Corporation, ZTE | New WID on Integrated Sensing and Communication | Revised to S1-231778 | | Revision of S1-231041. |
| WID | [S1-231778](file:///E:\TSGS1_102_Berlin\docs\S1-231778.zip) | Deutsche Telekom AG, Orange, Sharp Corporation, ZTE | New WID on Integrated Sensing and Communication | Agreed | | *Revision of S1-231041.*  Revision of S1-231559.  Clean the document. Section 8 is empty and adding new supporting companies |
| TS | [S1-231311](file:///E:\TSGS1_102_Berlin\Docs\S1-231311.zip) | Deutsche Telekom AG | Skeleton for new TS on Sensing - if new TS would be needed | Agreed | |  |
| Cont | [S1-231046](file:///E:\TSGS1_102_Berlin\Docs\S1-231046.zip) | SHARP | Support of a new TS for Integrated Sensing and Communication | Noted | | Moved from 7.1 |
| WID | [S1-231254](file:///E:\TSGS1_102_Berlin\Docs\S1-231254.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | Revised to S1-231420 | |  |
| WID | [S1-231420](file:///E:\TSGS1_102_Berlin\Docs\S1-231420.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | Revised to S1-231457 | | Revision of S1-231254. |
| WID | [S1-231457](file:///E:\TSGS1_102_Berlin\Docs\S1-231457.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | Revised to S1-231493 | | *Revision of S1-231254.*  Revision of S1-231420. |
| WID | [S1-231493](file:///E:\TSGS1_102_Berlin\Docs\S1-231493.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | Revised to S1-231792 | | *Revision of S1-231254.*  *Revision of S1-231420.*  Revision of S1-231457. |
| WID | [S1-231792](docs\S1-231792.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | Noted | | *Revision of S1-231254.*  *Revision of S1-231420.*  *Revision of S1-231457.*  Revision of S1-231493. |
| TS | S1-231494 | OPPO | Skeleton for new TS on Ambient IoT - if new TS would be needed | Noted | | Revision of S1-231041. |
| Cont | [S1-231047](file:///E:\TSGS1_102_Berlin\Docs\S1-231047.zip) | SHARP | Support of a new TS for Ambient power-enabled Internet of Things | Noted | | Moved from 7.2 |
| WID | [S1-231081](file:///E:\TSGS1_102_Berlin\Docs\S1-231081.zip) | SAMSUNG | Localized Mobile Metaverse Services | Revised to S1-231595 | |  |
| WID | [S1-231595](file:///E:\TSGS1_102_Berlin\Docs\S1-231595.zip) | SAMSUNG | Localized Mobile Metaverse Services | Revised to S1-231715 | | Revision of S1-231081. |
| WID | [S1-231715](file:///E:\TSGS1_102_Berlin\Docs\S1-231715.zip) | SAMSUNG | Localized Mobile Metaverse Services | Revised to S1-231730 | | *Revision of S1-231081.*  Revision of S1-231595. |
| WID | [S1-231730](file:///E:\TSGS1_102_Berlin\Docs\S1-231730.zip) | SAMSUNG | Localized Mobile Metaverse Services | Revised to S1-231750 | | *Revision of S1-231081.*  *Revision of S1-231595.*  Revision of S1-231715. |
| WID | [S1-231750](file:///E:\TSGS1_102_Berlin\docs\S1-231750.zip) | SAMSUNG | Localized Mobile Metaverse Services | Revised to S1-231783 | | *Revision of S1-231081.*  *Revision of S1-231595.*  *Revision of S1-231715.*  Revision of S1-231730. |
| WID | [S1-231783](file:///E:\TSGS1_102_Berlin\docs\S1-231783.zip) | SAMSUNG | Localized Mobile Metaverse Services | Revised to S1-231790 | | *Revision of S1-231081.*  *Revision of S1-231595.*  *Revision of S1-231715.*  *Revision of S1-231730.*  Revision of S1-231750. |
| WID | [S1-231790](file:///E:\TSGS1_102_Berlin\docs\S1-231790.zip) | SAMSUNG | Localized Mobile Metaverse Services | Agreed | | *Revision of S1-231081.*  *Revision of S1-231595.*  *Revision of S1-231715.*  *Revision of S1-231730.*  *Revision of S1-231750.*  Revision of S1-231783.  Clean document, Add supporting companies |
| WID | [S1-231050](file:///E:\TSGS1_102_Berlin\Docs\S1-231050.zip) | China Unicom | New WID of INS | Revised to S1-231515 | |  |
| WID | [S1-231515](file:///E:\TSGS1_102_Berlin\Docs\S1-231515.zip) | China Unicom | New WID of INS | Revised to S1-231711 | | Revision of S1-231050. |
| WID | [S1-231711](file:///E:\TSGS1_102_Berlin\Docs\S1-231711.zip) | China Unicom | New WID of INS | Revised to S1-231734 | | *Revision of S1-231050.*  Revision of S1-231515. |
| WID | [S1-231734](file:///E:\TSGS1_102_Berlin\Docs\S1-231734.zip) | China Unicom | New WID of INS | Revised to S1-231806 | | *Revision of S1-231050.*  *Revision of S1-231515.*  Revision of S1-231711. |
| WID | [S1-231806](docs\S1-231806.zip) | China Unicom | New WID of INS | Agreed | | *Revision of S1-231050.*  *Revision of S1-231515.*  *Revision of S1-231711.*  Revision of S1-231734.  Section 8 empty. AN impacts as don’t know. |
| CR | [S1-231049](file:///E:\TSGS1_102_Berlin\Docs\S1-231049.zip) | China Unicom | 22.261v19.2.0 Add Indirect Network Sharing to TS 22.261 | Revised to S1-231712 | | *WI* INS *Rel-19 CR*0682*R- Cat B*  Wrong rev counter (to fix in new version), Supporting companies with ? |
| CR | [S1-231712](file:///E:\TSGS1_102_Berlin\Docs\S1-231712.zip) | China Unicom | 22.261v19.2.0 Add Indirect Network Sharing to TS 22.261 | Revised to S1-231735 | | *WI INS Rel-19 CR0682R- Cat B*  *Wrong rev counter (to fix in new version), Supporting companies with ?*  Revision of S1-231049. |
| CR | [S1-231735](file:///E:\TSGS1_102_Berlin\Docs\S1-231735.zip) | China Unicom | 22.261v19.2.0 Add Indirect Network Sharing to TS 22.261 | Agreed | | *WI INS Rel-19 CR0682R- Cat B*  *Wrong rev counter (to fix in new version), Supporting companies with ?*  *Revision of S1-231049.*  Revision of S1-231712. |
| CR | [S1-231068](file:///E:\TSGS1_102_Berlin\Docs\S1-231068.zip) | China Unicom | 22.261v19.2.0 Add definitions for Indirect Network Sharing | Revised to S1-231736 | | *WI* INS *Rel-19 CR*0684*R- Cat B*  Wrong rev counter (to fix in new version)  Supporting companies with ? |
| CR | [S1-231736](file:///E:\TSGS1_102_Berlin\Docs\S1-231736.zip) | China Unicom | 22.261v19.2.0 Add definitions for Indirect Network Sharing | Agreed | | *WI INS Rel-19 CR0684R- Cat B*  *Wrong rev counter (to fix in new version)*  *Supporting companies with ?*  Revision of S1-231068. |
| CR | [S1-231053](file:///E:\TSGS1_102_Berlin\Docs\S1-231053.zip) | China Unicom | 22.261v19.2.0 General and charging requirements of INS to TS 22.261 | Noted | | *WI* INS *Rel-19 CR*0683*R - Cat B*  Wrong rev counter (to fix in new version)  Supporting companies with ? |
| WID | [S1-231101](file:///E:\TSGS1_102_Berlin\Docs\S1-231101.zip) | OPPO | new WID\_AIML-Ph2 | Revised to S1-231513 | |  |
| WID | [S1-231513](file:///E:\TSGS1_102_Berlin\Docs\S1-231513.zip) | OPPO | new WID\_AIML-Ph2 | Revised to S1-231807 | | Revision of S1-231101. |
| WID | [S1-231807](docs\S1-231807.zip) | OPPO | new WID\_AIML-Ph2 | Agreed | | *Revision of S1-231101.*  Revision of S1-231513.  Remove values brackets. Remove supporting company. Clean tdoc |
| WID | [S1-231089](file:///E:\TSGS1_102_Berlin\Docs\S1-231089.zip) | NOVAMINT | New WID on Satellite access Phase 3 | Revised to S1-231571 | |  |
| WID | [S1-231571](file:///E:\TSGS1_102_Berlin\Docs\S1-231571.zip) | NOVAMINT | New WID on Satellite access Phase 3 | Revised to S1-231738 | | Revision of S1-231089. |
| WID | [S1-231738](file:///E:\TSGS1_102_Berlin\Docs\S1-231738.zip) | NOVAMINT | New WID on Satellite access Phase 3 | Agreed | | *Revision of S1-231089.*  Revision of S1-231571.  Delete in Justification “for terrestrial network planning”, “without going through the ground network” and “ with intermittent/temporary satellite connectivity for delay-tolerant communication service”. Add supporting companies. Chapter 8 empty. |
| WID | [S1-231113](file:///E:\TSGS1_102_Berlin\Docs\S1-231113.zip) | UIC | New WID on FRMCS Phase 5 | Revised to S1-231634 | |  |
| WID | [S1-231634](file:///E:\TSGS1_102_Berlin\Docs\S1-231634.zip) | UIC | New WID on FRMCS Phase 5 | Revised to S1-231733 | | Revision of S1-231113. |
| WID | [S1-231733](file:///E:\TSGS1_102_Berlin\Docs\S1-231733.zip) | UIC | New WID on FRMCS Phase 5 | Revised to S1-231779 | | *Revision of S1-231113.*  Revision of S1-231634. |
| WID | [S1-231779](file:///E:\TSGS1_102_Berlin\docs\S1-231779.zip) | UIC | New WID on FRMCS Phase 5 | Revised to S1-231808 | | *Revision of S1-231113.*  *Revision of S1-231634.*  Revision of S1-231733. |
| WID | [S1-231808](docs\S1-231808.zip) | UIC | New WID on FRMCS Phase 5 | Agreed | | *Revision of S1-231113.*  *Revision of S1-231634.*  *Revision of S1-231733.*  Revision of S1-231779.  into normative stage 1 specifications.  Accept all changes. |
| CR | [S1-231310](file:///E:\TSGS1_102_Berlin\Docs\S1-231310.zip) | UIC | 22.179v17.1.0 Usage of multi-talker control for Ad hoc Group Emergency Voice Communications | Revised to S1-231329 | | *Moved from 6.3*  *WI* FRMCS\_Ph5 *Rel-19 CR*0076*R- Cat C*  *Wrong WI\_Code?* |
| CR | [S1-231329](file:///E:\TSGS1_102_Berlin\Docs\S1-231329.zip) | UIC | 22.179v17.1.0 Usage of multi-talker control for Ad hoc Group Emergency Voice Communications | Revised to S1-231635 | | *Moved from 6.3*  *WI FRMCS\_Ph5 Rel-19 CR0076R- Cat C*  *Wrong WI\_Code?*  Revision of S1-231310. |
| CR | [S1-231635](file:///E:\TSGS1_102_Berlin\Docs\S1-231635.zip) | UIC | 22.179v17.1.0 Usage of multi-talker control for Ad hoc Group Emergency Voice Communications | Agreed | | *Moved from 6.3*  *WI FRMCS\_Ph5 Rel-19 CR0076R- Cat C*  *Wrong WI\_Code?*  *Revision of S1-231310.*  Revision of S1-231329. |
| WID | [S1-231263](file:///E:\TSGS1_102_Berlin\Docs\S1-231263.zip) | China Mobile | WID\_UAV\_Ph3 | Revised to S1-231380 | | Moved from 7.8 |
| WID | [S1-231380](file:///E:\TSGS1_102_Berlin\Docs\S1-231380.zip) | China Mobile | WID\_UAV\_Ph3 | Revised to S1-231616 | | *Moved from 7.8*  Revision of S1-231263. |
| WID | [S1-231616](file:///E:\TSGS1_102_Berlin\Docs\S1-231616.zip) | China Mobile | WID\_UAV\_Ph3 | Revised to S1-231619 | | *Moved from 7.8*  *Revision of S1-231263.*  Revision of S1-231380. |
| WID | [S1-231619](file:///E:\TSGS1_102_Berlin\docs\S1-231619.zip) | China Mobile | WID\_UAV\_Ph3 | Revised to S1-231625 | | *Moved from 7.8*  *Revision of S1-231263.*  *Revision of S1-231380.*  Revision of S1-231616. |
| WID | [S1-231625](file:///E:\TSGS1_102_Berlin\docs\S1-231625.zip) | China Mobile | WID\_UAV\_Ph3 | Revised to S1-231705 | | *Moved from 7.8*  *Revision of S1-231263.*  *Revision of S1-231380.*  *Revision of S1-231616.*  Revision of S1-231619. |
| WID | [S1-231705](file:///E:\TSGS1_102_Berlin\docs\S1-231705.zip) | China Mobile | WID\_UAV\_Ph3 | Revised to S1-231763 | | *Moved from 7.8*  *Revision of S1-231263.*  *Revision of S1-231380.*  *Revision of S1-231616.*  *Revision of S1-231619.*  Revision of S1-231625. |
| WID | [S1-231763](docs\S1-231763.zip) | China Mobile | WID\_UAV\_Ph3 | Revised to S1-231809 | | *Moved from 7.8*  *Revision of S1-231263.*  *Revision of S1-231380.*  *Revision of S1-231616.*  *Revision of S1-231619.*  *Revision of S1-231625.*  Revision of S1-231705. |
| WID | [S1-231809](docs\S1-231809.zip) | China Mobile | WID\_UAV\_Ph3 | Agreed | | *Moved from 7.8*  *Revision of S1-231263.*  *Revision of S1-231380.*  *Revision of S1-231616.*  *Revision of S1-231619.*  *Revision of S1-231625.*  *Revision of S1-231705.*  Revision of S1-231763.  Accept all changes. |
| WID | [S1-231194](file:///E:\TSGS1_102_Berlin\Docs\S1-231194.zip) | Qualcomm | New WID\_DualSteer | Revised to S1-231357 | |  |
| WID | [S1-231357](file:///E:\TSGS1_102_Berlin\Docs\S1-231357.zip) | Qualcomm | New WID\_DualSteer | Revised to S1-231605 | | Revision of S1-231194. |
| WID | [S1-231605](file:///E:\TSGS1_102_Berlin\Docs\S1-231605.zip) | Qualcomm | New WID\_DualSteer | Revised to S1-231795 | | *Revision of S1-231194.*  Revision of S1-231357. |
| WID | [S1-231795](docs\S1-231795.zip) | Qualcomm | New WID\_DualSteer | Noted | | *Revision of S1-231194.*  *Revision of S1-231357.*  Revision of S1-231605. |
| WID | [S1-231126](file:///E:\TSGS1_102_Berlin\Docs\S1-231126.zip) | China Mobile | New WID on Energy Efficiency as service criteria | Revised to S1-231545 | |  |
| WID | [S1-231545](file:///E:\TSGS1_102_Berlin\Docs\S1-231545.zip) | China Mobile | New WID on Energy Efficiency as service criteria | Revised to S1-231556 | | Revision of S1-231126. |
| WID | [S1-231556](file:///E:\TSGS1_102_Berlin\Docs\S1-231556.zip) | China Mobile | New WID on Energy Efficiency as service criteria | Revised to S1-231780 | | *Revision of S1-231126.*  Revision of S1-231545. |
| WID | [S1-231780](file:///E:\TSGS1_102_Berlin\docs\S1-231780.zip) | China Mobile | New WID on Energy Efficiency as service criteria | Revised to S1-231810 | | *Revision of S1-231126.*  *Revision of S1-231545.*  Revision of S1-231556. |
| WID | [S1-231810](docs\S1-231810.zip) | China Mobile | New WID on Energy Efficiency as service criteria | Agreed | | *Revision of S1-231126.*  *Revision of S1-231545.*  *Revision of S1-231556.*  Revision of S1-231780.  Clean changes |
| Mini-WIDs | | | | | | |
| UE-to-UE Multi Hop Relay | | | | | | |
| WID | [S1-231043](file:///E:\TSGS1_102_Berlin\Docs\S1-231043.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Mini-WID UE-to-UE Multi Hop Relay | Revised to S1-231387 | |  |
| WID | [S1-231387](file:///E:\TSGS1_102_Berlin\Docs\S1-231387.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Mini-WID UE-to-UE Multi Hop Relay | Revised to S1-231718 | | Revision of S1-231043. |
| WID | [S1-231718](file:///E:\TSGS1_102_Berlin\Docs\S1-231718.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Mini-WID UE-to-UE Multi Hop Relay | Revised to S1-231755 | | *Revision of S1-231043.*  Revision of S1-231387. |
| WID | [S1-231755](file:///E:\TSGS1_102_Berlin\docs\S1-231755.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Mini-WID UE-to-UE Multi Hop Relay | Agreed | | *Revision of S1-231043.*  *Revision of S1-231387.*  Revision of S1-231718.  Adding supporting companies. |
| Cont | [S1-231042](file:///E:\TSGS1_102_Berlin\Docs\S1-231042.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Discussion on UE-to-UE multi hop relay | Revised to S1-231346 | | Reduce to 4 slides |
| Cont | [S1-231346](file:///E:\TSGS1_102_Berlin\Docs\S1-231346.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Discussion on UE-to-UE multi hop relay | Noted | | *Reduce to 4 slides*  Revision of S1-231042. |
| CR | [S1-231044](file:///E:\TSGS1_102_Berlin\Docs\S1-231044.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | 22.261v19.2.0 UE-to-UE Multi-Hop Relay 22.261 | Revised to S1-231386 | | *WI* UEMHRelay *Rel-19 CR*0681*R- Cat B*  Wrong rev counter (to fix in new version) |
| CR | [S1-231386](file:///E:\TSGS1_102_Berlin\Docs\S1-231386.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | 22.261v19.2.0 UE-to-UE Multi-Hop Relay 22.261 | Revised to S1-231687 | | *WI UEMHRelay Rel-19 CR0681R- Cat B*  *Wrong rev counter (to fix in new version)*  Revision of S1-231044. |
| CR | [S1-231687](file:///E:\TSGS1_102_Berlin\Docs\S1-231687.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | 22.261v19.2.0 UE-to-UE Multi-Hop Relay 22.261 | Revised to S1-231716 | | *WI UEMHRelay Rel-19 CR0681R- Cat B*  *Wrong rev counter (to fix in new version)*  *Revision of S1-231044.*  Revision of S1-231386. |
| CR | [S1-231716](file:///E:\TSGS1_102_Berlin\Docs\S1-231716.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | 22.261v19.2.0 UE-to-UE Multi-Hop Relay 22.261 | Revised to S1-231754 | | *WI UEMHRelay Rel-19 CR0681R- Cat B*  *Wrong rev counter (to fix in new version)*  *Revision of S1-231044.*  *Revision of S1-231386.*  Revision of S1-231687. |
| CR | [S1-231754](file:///E:\TSGS1_102_Berlin\docs\S1-231754.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | 22.261v19.2.0 UE-to-UE Multi-Hop Relay 22.261 | Agreed | | *WI UEMHRelay Rel-19 CR0681R- Cat B*  *Wrong rev counter (to fix in new version)*  *Revision of S1-231044.*  *Revision of S1-231386.*  *Revision of S1-231687.*  Revision of S1-231716.  No changes on the cover page. Update rev. and date. |
| CR | [S1-231045](file:///E:\TSGS1_102_Berlin\Docs\S1-231045.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | 22.280v19.1.0 UE-to-UE Multi-Hop Relay 22.280 | Revised to S1-231388 | | *WI* UEMHRelay *Rel-19 CR*0160*R- Cat B*  Wrong rev counter (to fix in new version) |
| CR | [S1-231388](file:///E:\TSGS1_102_Berlin\Docs\S1-231388.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | 22.280v19.1.0 UE-to-UE Multi-Hop Relay 22.280 | Revised to S1-231688 | | *WI UEMHRelay Rel-19 CR0160R- Cat B*  *Wrong rev counter (to fix in new version)*  Revision of S1-231045. |
| CR | [S1-231688](file:///E:\TSGS1_102_Berlin\Docs\S1-231688.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | 22.280v19.1.0 UE-to-UE Multi-Hop Relay 22.280 | Revised to S1-231717 | | *WI UEMHRelay Rel-19 CR0160R- Cat B*  *Wrong rev counter (to fix in new version)*  *Revision of S1-231045.*  Revision of S1-231388. |
| CR | [S1-231717](file:///E:\TSGS1_102_Berlin\Docs\S1-231717.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | 22.280v19.1.0 UE-to-UE Multi-Hop Relay 22.280 | Agreed | | *WI UEMHRelay Rel-19 CR0160R- Cat B*  *Wrong rev counter (to fix in new version)*  *Revision of S1-231045.*  *Revision of S1-231388.*  Revision of S1-231688. |
| Preventing Excessive Data Exposure within an NPN | | | | | | |
| WID | [S1-231172](file:///E:\TSGS1_102_Berlin\Docs\S1-231172.zip) | China Telecom | New WID on Preventing Excessive Data Exposure within an NPN | Revised to S1-231389 | |  |
| WID | [S1-231389](file:///E:\TSGS1_102_Berlin\Docs\S1-231389.zip) | China Telecom | New WID on Preventing Excessive Data Exposure within an NPN | Revised to S1-231781 | | Revision of S1-231172. |
| WID | [S1-231781](file:///E:\TSGS1_102_Berlin\docs\S1-231781.zip) | China Telecom | New WID on Preventing Excessive Data Exposure within an NPN | Agreed | | *Revision of S1-231172.*  Revision of S1-231389.  Update objectives “Update the stage 1 requirements to adddress aspects related to the security of the PLMN when it hosts an NPN.”. Update the acronym to SecNPN. Leave section 8 empty. Accept all changes. |
| Cont | [S1-231174](file:///E:\TSGS1_102_Berlin\Docs\S1-231174.zip) | China Telecom | Discussion on Preventing Excessive Data Exposure within an NPN | Noted | |  |
| CR | [S1-231176](file:///E:\TSGS1_102_Berlin\Docs\S1-231176.zip) | China Telecom | 22.261v19.2.0 Preventing Excessive Data Exposure within an NPN | Revised to S1-231390 | | *WI* PDE\_NPN *Rel-19 CR*0688*R- Cat B* |
| CR | [S1-231390](file:///E:\TSGS1_102_Berlin\Docs\S1-231390.zip) | China Telecom | 22.261v19.2.0 Preventing Excessive Data Exposure within an NPN | Revised to S1-231629 | | *WI PDE\_NPN Rel-19 CR0688R- Cat B*  Revision of S1-231176. |
| CR | [S1-231629](file:///E:\TSGS1_102_Berlin\docs\S1-231629.zip) | China Telecom | 22.261v19.2.0 Preventing Excessive Data Exposure within an NPN | Revised to S1-231782 | | *WI PDE\_NPN Rel-19 CR0688R- Cat B*  *Revision of S1-231176.*  Revision of S1-231390. |
| CR | [S1-231782](file:///E:\TSGS1_102_Berlin\docs\S1-231782.zip) | China Telecom | 22.261v19.2.0 Preventing Excessive Data Exposure within an NPN | Agreed | | *WI PDE\_NPN Rel-19 CR0688R- Cat B*  *Revision of S1-231176.*  *Revision of S1-231390.*  Revision of S1-231629. |
| Human readable service name | | | | | | |
| WID | [S1-231201](file:///E:\TSGS1_102_Berlin\Docs\S1-231201.zip) | Qualcomm | New WID\_HRNS | Revised to S1-231361 | |  |
| WID | [S1-231361](file:///E:\TSGS1_102_Berlin\Docs\S1-231361.zip) | Qualcomm | New WID\_HRNS | Noted | | Revision of S1-231201. |
| Cont | [S1-231200](file:///E:\TSGS1_102_Berlin\Docs\S1-231200.zip) | Qualcomm | Human readable service name - Overview | Revised to S1-231360 | | Reduce to 4 slides |
| Cont | [S1-231360](file:///E:\TSGS1_102_Berlin\Docs\S1-231360.zip) | Qualcomm | Human readable service name - Overview | Noted | | *Reduce to 4 slides*  Revision of S1-231200. |
| CR | [S1-231202](file:///E:\TSGS1_102_Berlin\Docs\S1-231202.zip) | Qualcomm | 22.261v19.2.0 CR on HRNS requirement | Noted | | *WI* HRNS *Rel-19 CR*0690*R- Cat B* |
| Supporting of Edge Computing for Cloud Phone | | | | | | |
| WID | [S1-231218](file:///E:\TSGS1_102_Berlin\Docs\S1-231218.zip) | China Telecom | New WID on Supporting of Edge Computing for Cloud Phone | Revised to S1-231391 | |  |
| WID | [S1-231391](file:///E:\TSGS1_102_Berlin\Docs\S1-231391.zip) | China Telecom | New WID on Supporting of Edge Computing for Cloud Phone | Revised to S1-231557 | | Revision of S1-231218. |
| WID | [S1-231557](file:///E:\TSGS1_102_Berlin\docs\S1-231557.zip) | China Telecom | New WID on Supporting of Edge Computing for Cloud Phone | Revised to S1-231757 | | *Revision of S1-231218.*  Revision of S1-231391. |
| WID | [S1-231757](file:///E:\TSGS1_102_Berlin\docs\S1-231757.zip) | China Telecom | New WID on Supporting of Edge Computing for Cloud Phone | Noted | | *Revision of S1-231218.*  *Revision of S1-231391.*  Revision of S1-231557. |
| Cont | [S1-231219](file:///E:\TSGS1_102_Berlin\Docs\S1-231219.zip) | China Telecom | Discussion paper on Supporting of Edge Computing for Cloud Phone | Noted | |  |
| CR | [S1-231220](file:///E:\TSGS1_102_Berlin\Docs\S1-231220.zip) | China Telecom, ZTE | 22.261v19.2.0 Supporting of edge computing for cloud phone | Revised to S1-231392 | | *WI*  *Rel-19 CR*0691*R- Cat B* |
| CR | [S1-231392](file:///E:\TSGS1_102_Berlin\Docs\S1-231392.zip) | China Telecom, ZTE | 22.261v19.2.0 Supporting of edge computing for cloud phone | Revised to S1-231558 | | *WI ECCP Rel-19 CR0691R- Cat B*  Revision of S1-231220. |
| CR | [S1-231558](file:///E:\TSGS1_102_Berlin\docs\S1-231558.zip) | China Telecom, ZTE | 22.261v19.2.0 Supporting of edge computing for cloud phone | Revised to S1-231758 | | *WI ECCP Rel-19 CR0691R- Cat B*  *Revision of S1-231220.*  Revision of S1-231392. |
| CR | [S1-231758](file:///E:\TSGS1_102_Berlin\docs\S1-231758.zip) | China Telecom, ZTE | 22.261v19.2.0 Supporting of edge computing for cloud phone | Withdrawn | | *WI ECCP Rel-19 CR0691R- Cat B*  *Revision of S1-231220.*  *Revision of S1-231392.*  Revision of S1-231558. |
| MPS for Dual Connectivity and Multiple Access Technologies | | | | | | |
| WID | [S1-231266](file:///E:\TSGS1_102_Berlin\Docs\S1-231266.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | New WID on MPS for Dual Connectivity and Multiple Access Technologies | Noted | |  |
| CR | [S1-231267](file:///E:\TSGS1_102_Berlin\Docs\S1-231267.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.153v19.0.0 Dual Connectivity and Multiple Access Technologies | Revised to S1-231472 | | *WI* Dummy *Rel-19 CR*0062*R- Cat B*  Wrong WI code |
| CR | [S1-231472](file:///E:\TSGS1_102_Berlin\Docs\S1-231472.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.153v19.0.0 Dual Connectivity and Multiple Access Technologies | Revised to S1-231756 | | *WI Dummy Rel-19 CR0062R- Cat B*  *Wrong WI code*  Revision of S1-231267. |
| CR | [S1-231756](file:///E:\TSGS1_102_Berlin\docs\S1-231756.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.153v19.0.0 Dual Connectivity and Multiple Access Technologies | Agreed | | *WI Dummy Rel-19 CR0062R- Cat B*  *Wrong WI code*  *Revision of S1-231267.*  Revision of S1-231472. |
| CR | [S1-231131](file:///E:\TSGS1_102_Berlin\Docs\S1-231131.zip) | China Mobile | Supporting UE Mobility for XR service | Moved to 7.13 | |  |
| Quality improvement contributions Quality improvements to requirements in TRs or TSs are encouraged (pCRs or CRs). In order to allow delegates to provide quality improvement contributions for work/study items where they do not want to attend drafting sessions, contributions submitted to this agenda item are handled in plenary. | | | | | | |
| CR | [S1-231083](file:///E:\TSGS1_102_Berlin\Docs\S1-231083.zip) | OPPO | 22.261v18.9.0 Clarification on AI-ML KPIs | Revised to S1-231394 | | *WI* AIML-MT, TEI-18 *Rel-18 CR*0686 *R- Cat F*  *WI code TEI18 not needed.* |
| CR | [S1-231394](file:///E:\TSGS1_102_Berlin\Docs\S1-231394.zip) | OPPO | 22.261v18.9.0 Clarification on AI-ML KPIs | Revised to S1-231474 | | *WI AIML-MT, TEI-18 Rel-18 CR0686 R- Cat F*  *WI code TEI18 not needed.*  Revision of S1-231083. |
| CR | [S1-231474](file:///E:\TSGS1_102_Berlin\Docs\S1-231474.zip) | OPPO | 22.261v18.9.0 Clarification on AI-ML KPIs | Agreed | | *WI AIML-MT, TEI-18 Rel-18 CR0686 R- Cat F*  *WI code TEI18 not needed.*  *Revision of S1-231083.*  Revision of S1-231394.  Update rev counter and date |
| CR | [S1-231082](file:///E:\TSGS1_102_Berlin\Docs\S1-231082.zip) | OPPO | 22.261v19.2.0 Clarification on AI-ML KPIs | Revised to S1-231395 | | *WI* AIML-MT, TEI-19 *Rel-19 CR*0685 *R- Cat F*  *This should be the mirror, change WICode to AIML-MT and cat to A* |
| CR | [S1-231395](file:///E:\TSGS1_102_Berlin\Docs\S1-231395.zip) | OPPO | 22.261v19.2.0 Clarification on AI-ML KPIs | Revised to S1-231473 | | *WI AIML-MT, TEI-19 Rel-19 CR0685 R- Cat F*  *This should be the mirror, change WICode to AIML-MT and cat to A*  Revision of S1-231082. |
| CR | [S1-231473](file:///E:\TSGS1_102_Berlin\Docs\S1-231473.zip) | OPPO | 22.261v19.2.0 Clarification on AI-ML KPIs | Agreed | | *WI AIML-MT, TEI-19 Rel-19 CR0685 R- Cat F*  *This should be the mirror, change WICode to AIML-MT and cat to A*  *Revision of S1-231082.*  Revision of S1-231395.  Update rev counter, Cat A and date. |
| CR | [S1-231684](file:///E:\TSGS1_102_Berlin\Docs\S1-231684.zip) | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom | 21.101v15 Aligning the RAN sharing related definitions for quality improvement | Agreed | | *WI TEI15 Rel-15 CR0589R- Cat F* |
| CR | [S1-231685](file:///E:\TSGS1_102_Berlin\Docs\S1-231685.zip) | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom | 21.101v16 Aligning the RAN sharing related definitions for quality improvement | Agreed | | *WI TEI15 Rel-16 CR0590R- Cat A* |
| CR | [S1-231686](file:///E:\TSGS1_102_Berlin\Docs\S1-231686.zip) | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom | 21.101v18.4.0 Aligning the RAN sharing related definitions for quality improvement | Agreed | | *WI TEI15 Rel-17 CR059R- Cat A* |
| CR | [S1-231217](file:///E:\TSGS1_102_Berlin\Docs\S1-231217.zip) | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom | 21.101v18.4.0 Aligning the RAN sharing related definitions for quality improvement | Revised to S1-231393 | | *WI* TEI18 *Rel-18 CR*0588*R- Cat F* |
| CR | [S1-231393](file:///E:\TSGS1_102_Berlin\Docs\S1-231393.zip) | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom | 21.101v18.4.0 Aligning the RAN sharing related definitions for quality improvement | Agreed | | *WI TEI15 Rel-18 CR0588R- Cat A*  Revision of S1-231217. |
| CR | [S1-231265](file:///E:\TSGS1_102_Berlin\Docs\S1-231265.zip) | Huawei | 21.905v14.1.1 Change of abbreviation of DN from Destination Network to Data Network | Noted | | *WI* TEI14 *Rel-14 CR*0XXX*R- Cat F*  *Missing CR number* |
| CR | [S1-231279](file:///E:\TSGS1_102_Berlin\Docs\S1-231279.zip) | Huawei | 21.905v15.1.0 Change of abbreviation of DN from Destination Network to Data Network | Noted | | *WI* TEI14 *Rel-15 CR*0XXX*R- Cat A*  *Missing CR number* |
| CR | [S1-231280](file:///E:\TSGS1_102_Berlin\Docs\S1-231280.zip) | Huawei | 21.905v16.1.0 Change of abbreviation of DN from Destination Network to Data Network | Noted | | *WI* TEI14 *Rel-16 CR*0XXX*R- Cat A*  *Missing CR number* |
| CR | [S1-231281](file:///E:\TSGS1_102_Berlin\Docs\S1-231281.zip) | Huawei | 21.905v17.1.0 Change of abbreviation of DN from Destination Network to Data Network | Noted | | *WI* TEI14 *Rel-16 CR*0XXX*R- Cat A*  *Missing CR number* |
| Rel-18 and earlier contributions | | | | | | |
| Rel-18 correction and clarification CRs | | | | | | |
| CR | [S1-231020](file:///E:\TSGS1_102_Berlin\Docs\S1-231020.zip) | ETRI | 22.268v18.2.0 Corrections of scope and reference including editorial fixes | Revised to S1-231396 | | *WI*  *Rel-18 CR*0078*R- Cat F* |
| CR | [S1-231396](file:///E:\TSGS1_102_Berlin\Docs\S1-231396.zip) | ETRI | 22.268v18.2.0 Corrections of scope and reference including editorial fixes | Agreed | | *WI TEI18 Rel-18 CR0078R- Cat F*  Revision of S1-231020. |
| CR | [S1-231124](file:///E:\TSGS1_102_Berlin\Docs\S1-231124.zip) | ETRI, KT Corp, SK Telecom, LG Uplus | 22.268v18.2.0 UE based geo-fencing requirements for KPAS | Revised to S1-231398 | | *WI*  *Rel-18 CR*0079*R- Cat B* |
| CR | [S1-231398](file:///E:\TSGS1_102_Berlin\Docs\S1-231398.zip) | ETRI, KT Corp, SK Telecom, LG Uplus | 22.268v18.2.0 UE based geo-fencing requirements for KPAS | Agreed | | *WI TEI18 Rel-18 CR0079R- Cat B*  Revision of S1-231124. |
| CR | [S1-231205](file:///E:\TSGS1_102_Berlin\Docs\S1-231205.zip) | Qualcomm | 22.153v18.1.0 Correction to MPS requirements | Agreed | | *WI* MPS\_WLAN *Rel-18 CR*0059*R- Cat F* |
| CR | [S1-231206](file:///E:\TSGS1_102_Berlin\Docs\S1-231206.zip) | Qualcomm | 22.153v19.0.0 Correction to MPS requirements | Agreed | | *WI* MPS\_WLAN *Rel-19 CR*0060*R- Cat A* |
| CR | [S1-231304](file:///E:\TSGS1_102_Berlin\Docs\S1-231304.zip) | UIC | 22.280v18.3.0 Notification of updated list of participants of Ad hoc Group Emergency Alert | Revised to S1-231327 | | *WI* AHGC *Rel-18 CR*0161*R- Cat C*  *Wrong revision counter* |
| CR | [S1-231327](file:///E:\TSGS1_102_Berlin\Docs\S1-231327.zip) | UIC | 22.280v18.3.0 Notification of updated list of participants of Ad hoc Group Emergency Alert | Revised to S1-231399 | | *WI AHGC Rel-18 CR0161R- Cat C*  *Wrong revision counter*  Revision of S1-231304. |
| CR | [S1-231399](file:///E:\TSGS1_102_Berlin\Docs\S1-231399.zip) | UIC | 22.280v18.3.0 Notification of updated list of participants of Ad hoc Group Emergency Alert | Revised to S1-231475 | | *WI AHGC Rel-18 CR0161R- Cat C*  *Wrong revision counter*  *Revision of S1-231304.*  Revision of S1-231327. |
| CR | [S1-231475](file:///E:\TSGS1_102_Berlin\Docs\S1-231475.zip) | UIC | 22.280v18.3.0 Notification of updated list of participants of Ad hoc Group Emergency Alert | Agreed | | *WI AHGC Rel-18 CR0161R- Cat C*  *Wrong revision counter*  *Revision of S1-231304.*  *Revision of S1-231327.*  Revision of S1-231399.  Do not delete the “.” |
| CR | [S1-231309](file:///E:\TSGS1_102_Berlin\Docs\S1-231309.zip) | UIC | 22.280v19.1.0 Notification of updated list of participants of Ad hoc Group Emergency Alert | Revised to S1-231328 | | Moved from 7.13  *WI* AHGC *Rel-19 CR*0162*R- Cat A* |
| CR | [S1-231328](file:///E:\TSGS1_102_Berlin\Docs\S1-231328.zip) | UIC | 22.280v19.1.0 Notification of updated list of participants of Ad hoc Group Emergency Alert | Revised to S1-231640 | | *Moved from 7.13*  *WI AHGC Rel-19 CR0162R- Cat A*  Revision of S1-231309. |
| CR | [S1-231640](file:///E:\TSGS1_102_Berlin\Docs\S1-231640.zip) | UIC | 22.280v19.1.0 Notification of updated list of participants of Ad hoc Group Emergency Alert | Revised to S1-231719 | | *Moved from 7.13*  *WI AHGC Rel-19 CR0162R- Cat A*  *Revision of S1-231309.*  Revision of S1-231328.  Do not delete the “.” |
| CR | [S1-231719](file:///E:\TSGS1_102_Berlin\Docs\S1-231719.zip) | UIC | 22.280v19.1.0 Notification of updated list of participants of Ad hoc Group Emergency Alert | Agreed | | *Moved from 7.13*  *WI AHGC Rel-19 CR0162R- Cat A*  *Revision of S1-231309.*  *Revision of S1-231328.*  *Do not delete the “.”*  Revision of S1-231640.  No presentation |
| Release 17 Alignment CRs (aligning Stage 1 specifications with what has been implemented in Stage 2 and 3) As Release 17 is almost frozen (stage 2 already frozen), alignment CRs are appreciated. | | | | | | |
| Rel-17 and earlier CRs (other than alignment) | | | | | | |
| CR | [S1-231270](file:///E:\TSGS1_102_Berlin\Docs\S1-231270.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v16.16.0 Correction of requirement in subclause 6.3 (Multiple access technologies) | Noted | | *WI* TEI16 *Rel-16 CR*0692*R- Cat F* |
| CR | [S1-231272](file:///E:\TSGS1_102_Berlin\Docs\S1-231272.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v17.11.0 Correction of requirement in subclause 6.3 (Multiple access technologies) | Noted | | *WI* TEI17 *Rel-17 CR*0693*R- Cat A*  *Wrong WI code, it must be TEI16* |
| CR | [S1-231282](file:///E:\TSGS1_102_Berlin\Docs\S1-231282.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v18.9.0 Correction of requirement in subclause 6.3 (Multiple access technologies) | Noted | | *WI* TEI18 *Rel-17 CR*0694*R- Cat A*  *Wrong WI code, it must be TEI16* |
| CR | [S1-231283](file:///E:\TSGS1_102_Berlin\Docs\S1-231283.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v19.2.0 Correction of requirement in subclause 6.3 (Multiple access technologies) | Noted | | *WI* TEI19 *Rel-17 CR*0695*R- Cat A*  *Wrong WI code, it must be TEI16* |
| CR | [S1-231310](file:///E:\TSGS1_102_Berlin\Docs\S1-231310.zip) | UIC | 22.179v17.1.0 Usage of multi-talker control for Ad hoc Group Emergency Voice Communications | Moved to 4 | | *WI* FS\_FRMCS\_Ph5 *Rel-19 CR*0076*R- Cat C* |
| Rel19 contributions | | | | | | |
| FS\_Sensing: Study on Integrated Sensing and Communication [[SP-220717](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220717.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Vasil Aleksiev (Deutsche Telekom)  Latest version: [TR 22.837v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.837/22837-100.zip)  Target completion date: SA#100 (06/2023)  Percentage completion: 80% | | | | | | |
| General | | | | | | |
| Cont | [S1-231209](file:///E:\TSGS1_102_Berlin\Docs\S1-231209.zip) | Deutsche Telekom, NTIA | Pseudo-CR on editorial modifications of FS\_Sensing | Revised to S1-231421 | |  |
| Cont | [S1-231421](file:///E:\TSGS1_102_Berlin\Docs\S1-231421.zip) | Deutsche Telekom, NTIA | Pseudo-CR on editorial modifications of FS\_Sensing | Agreed | | Revision of S1-231209.  Fix caption of Figure 5.28.3-1 |
| Cont | [S1-231306](file:///E:\TSGS1_102_Berlin\Docs\S1-231306.zip) | Ericsson | Adding note to not exclude solution | Agreed | |  |
| Cont | [S1-231316](file:///E:\TSGS1_102_Berlin\Docs\S1-231316.zip) | Xiaomi | Sensing overview proposal | Merge into S1-231422 | |  |
| Cont | [S1-231313](file:///E:\TSGS1_102_Berlin\Docs\S1-231313.zip) | Deutsche Telekom | Pseudo-CR on introducing overview section of FS\_Sensing | Revised to S1-231422 | |  |
| Cont | [S1-231422](file:///E:\TSGS1_102_Berlin\Docs\S1-231422.zip) | Deutsche Telekom | Pseudo-CR on introducing overview section of FS\_Sensing | Revised to S1-231477 | | Revision of S1-231313. |
| Cont | [S1-231477](file:///E:\TSGS1_102_Berlin\Docs\S1-231477.zip) | Deutsche Telekom | Pseudo-CR on introducing overview section of FS\_Sensing | Revised to S1-231759 | | *Revision of S1-231313.*  Revision of S1-231422. |
| Cont | [S1-231759](file:///E:\TSGS1_102_Berlin\docs\S1-231759.zip) | Deutsche Telekom | Pseudo-CR on introducing overview section of FS\_Sensing | Agreed | | *Revision of S1-231313.*  *Revision of S1-231422.*  Revision of S1-231477. |
| Cont | [S1-231242](file:///E:\TSGS1_102_Berlin\Docs\S1-231242.zip) | Apple | Pseudo-CR on Sensing Signals Terminology Update | Revised to S1-231423 | |  |
| Cont | [S1-231423](file:///E:\TSGS1_102_Berlin\Docs\S1-231423.zip) | Apple | Pseudo-CR on Sensing Signals Terminology Update | Revised to S1-231689 | | Revision of S1-231242. |
| Cont | [S1-231689](file:///E:\TSGS1_102_Berlin\Docs\S1-231689.zip) | Apple | Pseudo-CR on Sensing Signals Terminology Update | Revised to S1-231742 | | *Revision of S1-231242.*  Revision of S1-231423. |
| Cont | [S1-231742](file:///E:\TSGS1_102_Berlin\docs\S1-231742.zip) | Apple | Pseudo-CR on Sensing Signals Terminology Update | Agreed | | *Revision of S1-231242.*  *Revision of S1-231423.*  Revision of S1-231689. |
| Cont | [S1-231166](file:///E:\TSGS1_102_Berlin\Docs\S1-231166.zip) | vivo, Qualcomm | Resolve ambiguity on sensing assistance information | Revised to S1-231424 | |  |
| Cont | [S1-231424](file:///E:\TSGS1_102_Berlin\Docs\S1-231424.zip) | vivo, Qualcomm | Resolve ambiguity on sensing assistance information | Revised to S1-231453 | | Revision of S1-231166. |
| Cont | [S1-231453](file:///E:\TSGS1_102_Berlin\Docs\S1-231453.zip) | vivo, Qualcomm | Resolve ambiguity on sensing assistance information | Revised to S1-231478 | | *Revision of S1-231166.*  Revision of S1-231424. |
| Cont | [S1-231478](file:///E:\TSGS1_102_Berlin\Docs\S1-231478.zip) | vivo, Qualcomm | Resolve ambiguity on sensing assistance information | Agreed | | *Revision of S1-231166.*  *Revision of S1-231424.*  Revision of S1-231453.  **sensing assistance information:** information that is provided to 5G system and can be used to derive sensing result. |
| Cont | [S1-231167](file:///E:\TSGS1_102_Berlin\Docs\S1-231167.zip) | vivo | To enable UE using sensing result | Revised to S1-231425 | |  |
| Cont | [S1-231425](file:///E:\TSGS1_102_Berlin\Docs\S1-231425.zip) | vivo | To enable UE using sensing result | Revised to S1-231454 | | Revision of S1-231167. |
| Cont | [S1-231454](file:///E:\TSGS1_102_Berlin\Docs\S1-231454.zip) | vivo | To enable UE using sensing result | Revised to S1-231480 | | *Revision of S1-231167.*  Revision of S1-231425. |
| Cont | [S1-231480](file:///E:\TSGS1_102_Berlin\Docs\S1-231480.zip) | vivo | To enable UE using sensing result | Noted | | *Revision of S1-231167.*  *Revision of S1-231425.*  Revision of S1-231454. |
| Cont | [S1-231149](file:///E:\TSGS1_102_Berlin\Docs\S1-231149.zip) | Xiaomi | Discussion on sensing concepts and relationship between sensing system and 3GPP communication system | Noted | |  |
| Cont | [S1-231294](file:///E:\TSGS1_102_Berlin\Docs\S1-231294.zip) | Deutsche Telekom AG, Nokia, Ericsson | pCR on modifications for consistent use of terminology in FS\_Sensing | Revised to S1-231426 | |  |
| Cont | [S1-231426](file:///E:\TSGS1_102_Berlin\Docs\S1-231426.zip) | Deutsche Telekom AG, Nokia, Ericsson | pCR on modifications for consistent use of terminology in FS\_Sensing | Revised to S1-231481 | | Revision of S1-231294. |
| Cont | [S1-231481](file:///E:\TSGS1_102_Berlin\Docs\S1-231481.zip) | Deutsche Telekom AG, Nokia, Ericsson | pCR on modifications for consistent use of terminology in FS\_Sensing | Agreed | | *Revision of S1-231294.*  Revision of S1-231426. |
| Cont | [S1-231165](file:///E:\TSGS1_102_Berlin\Docs\S1-231165.zip) | vivo | Resolve EN on motion rate accuracy | Revised to S1-231427 | |  |
| Cont | [S1-231427](file:///E:\TSGS1_102_Berlin\Docs\S1-231427.zip) | vivo | Resolve EN on motion rate accuracy | Revised to S1-231455 | | Revision of S1-231165. |
| Cont | [S1-231455](file:///E:\TSGS1_102_Berlin\Docs\S1-231455.zip) | vivo | Resolve EN on motion rate accuracy | Revised to S1-231482 | | *Revision of S1-231165.*  Revision of S1-231427. |
| Cont | [S1-231482](file:///E:\TSGS1_102_Berlin\Docs\S1-231482.zip) | vivo | Resolve EN on motion rate accuracy | Agreed | | *Revision of S1-231165.*  *Revision of S1-231427.*  Revision of S1-231455.  Solve name of document and tdocs history number. |
| Cont | [S1-231303](file:///E:\TSGS1_102_Berlin\Docs\S1-231303.zip) | Xiaomi | pCR on definition of refreshing rate | Revised to S1-231428 | |  |
| Cont | [S1-231428](file:///E:\TSGS1_102_Berlin\Docs\S1-231428.zip) | Xiaomi | pCR on definition of refreshing rate | Agreed | | Revision of S1-231303.  **Refreshing rate**: rate at which the sensing result is generated by the sensing system. It is the inverse of the time elapsed between two successive sensing results. |
| Cont | [S1-231325](file:///E:\TSGS1_102_Berlin\Docs\S1-231325.zip) | Lenovo | pCR to clarify potential mobility of a sensing RAN node | Revised to S1-231429 | |  |
| Cont | [S1-231429](file:///E:\TSGS1_102_Berlin\Docs\S1-231429.zip) | Lenovo | pCR to clarify potential mobility of a sensing RAN node | Noted | | Revision of S1-231325. |
| Cont | [S1-231326](file:///E:\TSGS1_102_Berlin\Docs\S1-231326.zip) | Lenovo | pCR to clarify non-3GPP sensing data provided by a network node | Noted | |  |
| Update use cases | | | | | | |
| Cont | [S1-231114](file:///E:\TSGS1_102_Berlin\Docs\S1-231114.zip) | CMCC | pCR on updating service requirements for clause 5.1 | Merged into S1-231676 | |  |
| Cont | [S1-231191](file:///E:\TSGS1_102_Berlin\Docs\S1-231191.zip) | Huawei | Update of clause 5.2 | Revised to S1-231430 | |  |
| Cont | [S1-231430](file:///E:\TSGS1_102_Berlin\Docs\S1-231430.zip) | Huawei | Update of clause 5.2 | Revised to S1-231447 | | Revision of S1-231191. |
| Cont | [S1-231447](file:///E:\TSGS1_102_Berlin\Docs\S1-231447.zip) | Huawei | Update of clause 5.2 | Noted | | *Revision of S1-231191.*  Revision of S1-231430. |
| Cont | [S1-231324](file:///E:\TSGS1_102_Berlin\Docs\S1-231324.zip) | Lenovo | pCR to add a PR on sensing service availability information | Revised to S1-231431 | |  |
| Cont | [S1-231431](file:///E:\TSGS1_102_Berlin\Docs\S1-231431.zip) | Lenovo | pCR to add a PR on sensing service availability information | Revised to S1-231448 | | Revision of S1-231324. |
| Cont | [S1-231448](file:///E:\TSGS1_102_Berlin\Docs\S1-231448.zip) | Lenovo | pCR to add a PR on sensing service availability information | Revised to S1-231483 | | *Revision of S1-231324.*  Revision of S1-231431. |
| Cont | [S1-231483](file:///E:\TSGS1_102_Berlin\Docs\S1-231483.zip) | Lenovo | pCR to add a PR on sensing service availability information | Agreed | | *Revision of S1-231324.*  *Revision of S1-231431.*  Revision of S1-231448.  [PR 5.2.6-8] Subject to operator’s policy, the 5G network may provide secure means for the operator to expose information on sensing service availability (e.g., if sensing service is available and the supported KPIs) in a desired sensing service area location to a trusted 3rd party. |
| Cont | [S1-231115](file:///E:\TSGS1_102_Berlin\Docs\S1-231115.zip) | CMCC | pCR on update service requirements for clause 5.13 | Merged into S1-231676 | |  |
| Cont | [S1-231135](file:///E:\TSGS1_102_Berlin\Docs\S1-231135.zip) | Qualcomm | Update to Use Case on AGVs Detection and Tracking in Factories | Agreed | |  |
| Cont | [S1-231136](file:///E:\TSGS1_102_Berlin\Docs\S1-231136.zip) | Qualcomm | Update to Use Case on Use case on UAV flight trajectory tracing | Revised to S1-231676 | |  |
| Cont | [S1-231676](file:///E:\TSGS1_102_Berlin\Docs\S1-231676.zip) | Qualcomm | Update to Use Case on Use case on UAV flight trajectory tracing | Revised to S1-231681 | | Revision of S1-231136. |
| Cont | [S1-231681](file:///E:\TSGS1_102_Berlin\Docs\S1-231681.zip) | Qualcomm | Update to Use Case on Use case on UAV flight trajectory tracing | Agreed | | *Revision of S1-231136.*  Revision of S1-231676. |
| Cont | [S1-231229](file:///E:\TSGS1_102_Berlin\Docs\S1-231229.zip) | KPN | Pseudo-CR on update of use case 5.10 in TR 22.837 | Revised to S1-231348 | |  |
| Cont | [S1-231348](file:///E:\TSGS1_102_Berlin\Docs\S1-231348.zip) | KPN | Pseudo-CR on update of use case 5.10 in TR 22.837 | Revised to S1-231432 | | Revision of S1-231229. |
| Cont | [S1-231432](file:///E:\TSGS1_102_Berlin\Docs\S1-231432.zip) | KPN | Pseudo-CR on update of use case 5.10 in TR 22.837 | Agreed | | *Revision of S1-231229.*  Revision of S1-231348.  [PR 5.10.6-x1] The 5G system shall be able to provide the means for supporting sensing service continuity |
| Cont | [S1-231307](file:///E:\TSGS1_102_Berlin\Docs\S1-231307.zip) | Ericsson | Adjusting sensing KPI's | Agreed | |  |
| Cont | [S1-231237](file:///E:\TSGS1_102_Berlin\Docs\S1-231237.zip) | ZTE | pCR for KPI table update - 5.12 | Agreed | | No presentation |
| Cont | [S1-231234](file:///E:\TSGS1_102_Berlin\Docs\S1-231234.zip) | ZTE | pCR for KPI table update - 5.23 | Revised to S1-231375 | |  |
| Cont | [S1-231375](file:///E:\TSGS1_102_Berlin\Docs\S1-231375.zip) | ZTE | pCR for KPI table update - 5.23 | Agreed | | Revision of S1-231234. |
| Cont | [S1-231116](file:///E:\TSGS1_102_Berlin\Docs\S1-231116.zip) | CMCC | pCR on updating KPI for clause 5.14 | Revised to S1-231433 | |  |
| Cont | [S1-231433](file:///E:\TSGS1_102_Berlin\Docs\S1-231433.zip) | CMCC | pCR on updating KPI for clause 5.14 | Revised to S1-231449 | | Revision of S1-231116. |
| Cont | [S1-231449](file:///E:\TSGS1_102_Berlin\Docs\S1-231449.zip) | CMCC | pCR on updating KPI for clause 5.14 | Agreed | | *Revision of S1-231116.*  Revision of S1-231433. |
| Cont | [S1-231274](file:///E:\TSGS1_102_Berlin\Docs\S1-231274.zip) | Huawei | Pseudo-CR on removing the Editor’s Note in the Use case of Sensing for Parking Space Determination | Agreed | | No presentation |
| Cont | [S1-231146](file:///E:\TSGS1_102_Berlin\Docs\S1-231146.zip) | Qualcomm | Update to Use Case of Seamless XR Streaming | Revised to S1-231434 | |  |
| Cont | [S1-231434](file:///E:\TSGS1_102_Berlin\Docs\S1-231434.zip) | Qualcomm | Update to Use Case of Seamless XR Streaming | Revised to S1-231760 | | Revision of S1-231146. |
| Cont | [S1-231760](file:///E:\TSGS1_102_Berlin\docs\S1-231760.zip) | Qualcomm | Update to Use Case of Seamless XR Streaming | Noted | | *Revision of S1-231146.*  Revision of S1-231434. |
| Cont | [S1-231123](file:///E:\TSGS1_102_Berlin\Docs\S1-231123.zip) | Futurewei, Qualcomm | Use Case # 24 update on sensing service authorization | Revised to S1-231435 | |  |
| Cont | [S1-231435](file:///E:\TSGS1_102_Berlin\Docs\S1-231435.zip) | Futurewei, Qualcomm | Use Case # 24 update on sensing service authorization | Revised to S1-231450 | | Revision of S1-231123. |
| Cont | [S1-231450](file:///E:\TSGS1_102_Berlin\Docs\S1-231450.zip) | Futurewei, Qualcomm | Use Case # 24 update on sensing service authorization | Agreed | | *Revision of S1-231123.*  Revision of S1-231435. |
| Cont | [S1-231145](file:///E:\TSGS1_102_Berlin\Docs\S1-231145.zip) | CATT | pCR on updates to Gestrue Recognization | Merged into S1-231436 | |  |
| Cont | [S1-231147](file:///E:\TSGS1_102_Berlin\Docs\S1-231147.zip) | Qualcomm | Update to Use Case on Gesture Recognition for Application Navigation and Immersive Interaction | Revised to S1-231436 | |  |
| Cont | [S1-231436](file:///E:\TSGS1_102_Berlin\Docs\S1-231436.zip) | Qualcomm | Update to Use Case on Gesture Recognition for Application Navigation and Immersive Interaction | Revised to S1-231451 | | Revision of S1-231147. |
| Cont | [S1-231451](file:///E:\TSGS1_102_Berlin\Docs\S1-231451.zip) | Qualcomm | Update to Use Case on Gesture Recognition for Application Navigation and Immersive Interaction | Noted | | *Revision of S1-231147.*  Revision of S1-231436. |
| Cont | [S1-231225](file:///E:\TSGS1_102_Berlin\Docs\S1-231225.zip) | DENSO | Update KPI of Use case 5.28 | Revised to S1-231437 | |  |
| Cont | [S1-231437](file:///E:\TSGS1_102_Berlin\Docs\S1-231437.zip) | DENSO | Update KPI of Use case 5.28 | Agreed | | Revision of S1-231225. |
| Cont | [S1-231226](file:///E:\TSGS1_102_Berlin\Docs\S1-231226.zip) | DENSO | Update of Use case 5.30 to Resolve EN | Merged into S1-231362 | |  |
| Cont | [S1-231273](file:///E:\TSGS1_102_Berlin\Docs\S1-231273.zip) | Huawei | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | Revised to S1-231362 | |  |
| Cont | [S1-231362](file:///E:\TSGS1_102_Berlin\Docs\S1-231362.zip) | Huawei, DENSO | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | Revised to S1-231484 | | Revision of S1-231273. |
| Cont | [S1-231484](file:///E:\TSGS1_102_Berlin\Docs\S1-231484.zip) | Huawei, DENSO | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | Revised to S1-231786 | | *Revision of S1-231273.*  Revision of S1-231362. |
| Cont | [S1-231786](docs\S1-231786.zip) | Huawei, DENSO | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | Revised to S1-231793 | | *Revision of S1-231273.*  *Revision of S1-231362.*  Revision of S1-231484. |
| Cont | [S1-231793](docs\S1-231793.zip) | Huawei, DENSO | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | Agreed | | *Revision of S1-231273.*  *Revision of S1-231362.*  *Revision of S1-231484.*  Revision of S1-231786. |
| Cont | [S1-231308](file:///E:\TSGS1_102_Berlin\Docs\S1-231308.zip) | Ericsson | Sensing out of coverage | Noted | |  |
| Cont | [S1-231148](file:///E:\TSGS1_102_Berlin\Docs\S1-231148.zip) | Qualcomm | Pseudo-CR on consolidation of requirements on UE-based sensing when not served by RAN | Revised to S1-231363 | |  |
| Cont | [S1-231363](file:///E:\TSGS1_102_Berlin\Docs\S1-231363.zip) | Qualcomm | Pseudo-CR on consolidation of requirements on UE-based sensing when not served by RAN | Noted | | Revision of S1-231148. |
| Cont | [S1-231323](file:///E:\TSGS1_102_Berlin\Docs\S1-231323.zip) | Philips | Adding privacy requirement on minimizing exposure of personally identifiable information | Revised to S1-231438 | |  |
| Cont | [S1-231438](file:///E:\TSGS1_102_Berlin\Docs\S1-231438.zip) | Philips | Adding privacy requirement on minimizing exposure of personally identifiable information | Revised to S1-231452 | | Revision of S1-231323. |
| Cont | [S1-231452](file:///E:\TSGS1_102_Berlin\Docs\S1-231452.zip) | Philips | Adding privacy requirement on minimizing exposure of personally identifiable information | Noted | | *Revision of S1-231323.*  Revision of S1-231438. |
| Cont | [S1-231161](file:///E:\TSGS1_102_Berlin\Docs\S1-231161.zip) | IPLOOK | Use case: Fire Alarm Notification and Emergency Contact | Noted | |  |
| Cont | [S1-231322](file:///E:\TSGS1_102_Berlin\Docs\S1-231322.zip) | Apple | Sensing and Security / Privacy Aspects | Noted | |  |
| Consolidation & Conclusions | | | | | | |
| Cont | [S1-231193](file:///E:\TSGS1_102_Berlin\Docs\S1-231193.zip) | Huawei | Discussion on FS\_Sensing Potential Requirements Consolidation | Noted | |  |
| Cont | [S1-231317](file:///E:\TSGS1_102_Berlin\Docs\S1-231317.zip) | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing | Revised to S1-231367 | |  |
| Cont | [S1-231367](file:///E:\TSGS1_102_Berlin\Docs\S1-231367.zip) | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing | Revised to S1-231445 | | Revision of S1-231317. |
| Cont | [S1-231445](file:///E:\TSGS1_102_Berlin\Docs\S1-231445.zip) | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing | Revised to S1-231479 | | *Revision of S1-231317.*  Revision of S1-231367. |
| Cont | [S1-231479](file:///E:\TSGS1_102_Berlin\Docs\S1-231479.zip) | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing | Revised to S1-231496 | | *Revision of S1-231317.*  *Revision of S1-231367.*  Revision of S1-231445. |
| Cont | [S1-231496](file:///E:\TSGS1_102_Berlin\Docs\S1-231496.zip) | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing | Revised to S1-231746 | | *Revision of S1-231317.*  *Revision of S1-231367.*  *Revision of S1-231445.*  Revision of S1-231479. |
| Cont | [S1-231746](file:///E:\TSGS1_102_Berlin\docs\S1-231746.zip) | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing | Noted | | *Revision of S1-231317.*  *Revision of S1-231367.*  *Revision of S1-231445.*  *Revision of S1-231479.*  Revision of S1-231496. |
| Cont | [S1-231318](file:///E:\TSGS1_102_Berlin\Docs\S1-231318.zip) | Deutsche Telekom, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | Revised to S1-231368 | |  |
| Cont | [S1-231368](file:///E:\TSGS1_102_Berlin\Docs\S1-231368.zip) | Deutsche Telekom, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | Revised to S1-231490 | | Revision of S1-231318. |
| Cont | [S1-231490](file:///E:\TSGS1_102_Berlin\Docs\S1-231490.zip) | Deutsche Telekom, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | Revised to S1-231495 | | *Revision of S1-231318.*  Revision of S1-231368. |
| Cont | [S1-231495](file:///E:\TSGS1_102_Berlin\Docs\S1-231495.zip) | Deutsche Telekom, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | Revised to S1-231747 | | *Revision of S1-231318.*  *Revision of S1-231368.*  Revision of S1-231490.  Fix tiles sections  7 Consolidated potential requirement  7.1Consolidated functional requirements  Fix format.  Delete CPR 7.1.5-1, CPR 7.1.2-6, CPR 7.1.2-2, CPR 7.1.2-3 and CPR 7.1.3-5  Change table renumbering to A,B,C |
| Cont | [S1-231747](file:///E:\TSGS1_102_Berlin\docs\S1-231747.zip) | Deutsche Telekom, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | Revised to S1-231791 | | *Revision of S1-231318.*  *Revision of S1-231368.*  *Revision of S1-231490.*  *Fix tiles sections*  *7 Consolidated potential requirement*  *7.1Consolidated functional requirements*  *Fix format.*  *Delete CPR 7.1.5-1, CPR 7.1.2-6, CPR 7.1.2-2, CPR 7.1.2-3 and CPR 7.1.3-5*  *Change table renumbering to A,B,C*  Revision of S1-231495.f |
| Cont | [S1-231791](docs\S1-231791.zip) | Deutsche Telekom, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | Revised to S1-231811 | | *Revision of S1-231318.*  *Revision of S1-231368.*  *Revision of S1-231490.*  *Fix tiles sections*  *7 Consolidated potential requirement*  *7.1Consolidated functional requirements*  *Fix format.*  *Delete CPR 7.1.5-1, CPR 7.1.2-6, CPR 7.1.2-2, CPR 7.1.2-3 and CPR 7.1.3-5*  *Change table renumbering to A,B,C*  *Revision of S1-231495.f*  Revision of S1-231747. |
| Cont | [S1-231811](docs\S1-231811.zip) | Deutsche Telekom, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | Agreed | | *Revision of S1-231318.*  *Revision of S1-231368.*  *Revision of S1-231490.*  *Fix tiles sections*  *7 Consolidated potential requirement*  *7.1Consolidated functional requirements*  *Fix format.*  *Delete CPR 7.1.5-1, CPR 7.1.2-6, CPR 7.1.2-2, CPR 7.1.2-3 and CPR 7.1.3-5*  *Change table renumbering to A,B,C*  *Revision of S1-231495.f*  *Revision of S1-231747.*  Revision of S1-231791. |
| Cont | [S1-231491](file:///E:\TSGS1_102_Berlin\Docs\S1-231491.zip) | Deutsche Telekom, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing – part 2 | Withdrawn | | *Revision of S1-231318.*  Revision of S1-231368. |
| Cont | [S1-231195](file:///E:\TSGS1_102_Berlin\Docs\S1-231195.zip) | Huawei | Discussion on KPI consolidation | Noted | |  |
| Cont | [S1-231153](file:///E:\TSGS1_102_Berlin\Docs\S1-231153.zip) | ZTE | Consolidation of KPI Requirement of Sensing | Revised to S1-231349 | |  |
| Cont | [S1-231349](file:///E:\TSGS1_102_Berlin\Docs\S1-231349.zip) | ZTE | Consolidation of KPI Requirement of Sensing | Merge into S1-231419 | | Revision of S1-231153. |
| Cont | [S1-231169](file:///E:\TSGS1_102_Berlin\Docs\S1-231169.zip) | vivo | Discussion on KPI consolidation and CPR grouping | Noted | |  |
| Cont | [S1-231075](file:///E:\TSGS1_102_Berlin\Docs\S1-231075.zip) | Deutsche Telekom, Nokia, Ericsson | Discussion on consolidated KPIs of FS\_Sensing | Revised to S1-231418 | |  |
| Cont | [S1-231418](file:///E:\TSGS1_102_Berlin\Docs\S1-231418.zip) | Deutsche Telekom, Nokia, Ericsson | Discussion on consolidated KPIs of FS\_Sensing | Noted | | Revision of S1-231075. |
| Cont | [S1-231168](file:///E:\TSGS1_102_Berlin\Docs\S1-231168.zip) | vivo | Consolidated KPI table proposal | Noted | |  |
| Cont | [S1-231077](file:///E:\TSGS1_102_Berlin\Docs\S1-231077.zip) | Deutsche Telekom, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | Revised to S1-231419 | |  |
| Cont | [S1-231419](file:///E:\TSGS1_102_Berlin\Docs\S1-231419.zip) | Deutsche Telekom, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | Revised to S1-231492 | | Revision of S1-231077. |
| Cont | [S1-231492](file:///E:\TSGS1_102_Berlin\docs\S1-231492.zip) | Deutsche Telekom, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | Revised to S1-231761 | | *Revision of S1-231077.*  Revision of S1-231419. |
| Cont | [S1-231761](file:///E:\TSGS1_102_Berlin\docs\S1-231761.zip) | Deutsche Telekom, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | Revised to S1-231794 | | *Revision of S1-231077.*  *Revision of S1-231419.*  Revision of S1-231492. |
| Cont | [S1-231794](docs\S1-231794.zip) | Deutsche Telekom, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | Agreed | | *Revision of S1-231077.*  *Revision of S1-231419.*  *Revision of S1-231492.*  Revision of S1-231761. |
| Cont | [S1-231046](file:///E:\TSGS1_102_Berlin\Docs\S1-231046.zip) | SHARP | Support of a new TS for Integrated Sensing and Communication | Moved to 4 | |  |
| FS\_ Sensing Output | | | | | | |
| TR | [S1-231330](docs\S1-231330.zip) | Rapporteur (Deutsche Telekom) | Cover sheet of the TR22.837 for approval | Revised to S1-231815 | |  |
| TR | [S1-231815](docs\S1-231815.zip) | Rapporteur (Deutsche Telekom) | Cover sheet of the TR22.837 for approval | Revised to S1-231816 | | Revision of S1-231330. |
| TR | [S1-231816](docs\S1-231816.zip) | Rapporteur (Deutsche Telekom) | Cover sheet of the TR22.837 for approval | Agreed | | *Revision of S1-231330.*  Revision of S1-231815.  Delete The use cases have been completed. |
| TR | S1-231331 | Rapporteur (Deutsche Telekom) | TR 22.837v1.1.0 Study on Integrated Sensing and Communication | Agreed | | First draft by Tuesday 30th 23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC |
| FS\_AmbientIoT: Study on Ambient power-enabled Internet of Things [[SP-220085](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220085.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Weijie Xu (OPPO)  Latest version: [TR 22.840v1.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.840/22840-110.zip)  Target completion date: SA#98 (12/2022)  Percentage completion: 80% | | | | | | |
| Update use cases | | | | | | |
| Cont | [S1-231154](file:///E:\TSGS1_102_Berlin\Docs\S1-231154.zip) | ZTE | pCR for adding the position KPI for 5.2 and 5.11 | Revised to S1-231400 | |  |
| Cont | [S1-231400](file:///E:\TSGS1_102_Berlin\Docs\S1-231400.zip) | ZTE | pCR for adding the position KPI for 5.2 and 5.11 | Agreed | | Revision of S1-231154.  Positioning is now **3 m to 5** m indoor  Format corrections unit. |
| Cont | [S1-231293](file:///E:\TSGS1_102_Berlin\Docs\S1-231293.zip) | Huawei | FS\_Ambient IoT terminology alignment Device Speed | Agreed | |  |
| Cont | [S1-231297](file:///E:\TSGS1_102_Berlin\Docs\S1-231297.zip) | Huawei | FS\_Ambient IoT update latency KPI value of clause 5.2 medical instruments inventory management | Revised to S1-231401 | |  |
| Cont | [S1-231401](file:///E:\TSGS1_102_Berlin\Docs\S1-231401.zip) | Huawei | FS\_Ambient IoT update latency KPI value of clause 5.2 medical instruments inventory management | Agreed | | Revision of S1-231297. |
| Cont | [S1-231292](file:///E:\TSGS1_102_Berlin\Docs\S1-231292.zip) | Huawei | FS\_Ambient IoT remove FFS in clause 5.5 Intralogistics automobile manufacturing | Agreed | |  |
| Cont | [S1-231298](file:///E:\TSGS1_102_Berlin\Docs\S1-231298.zip) | Huawei | FS\_Ambient IoT update latency KPI value of clause 5.5 intralogistics in automobile manufacturing | Merge into S1-231401 | |  |
| Cont | [S1-231290](file:///E:\TSGS1_102_Berlin\Docs\S1-231290.zip) | Huawei | FS\_Ambient IoT alignment-add Device Speed KPIs with use case descriptions | Revised to S1-231403 | |  |
| Cont | [S1-231403](file:///E:\TSGS1_102_Berlin\Docs\S1-231403.zip) | Huawei | FS\_Ambient IoT alignment-add Device Speed KPIs with use case descriptions | Agreed | | Revision of S1-231290. |
| Cont | [S1-231253](file:///E:\TSGS1_102_Berlin\Docs\S1-231253.zip) | OPPO | pCR on removal of comparison operators in the KPI table | Revised to S1-231404 | |  |
| Cont | [S1-231404](file:///E:\TSGS1_102_Berlin\Docs\S1-231404.zip) | OPPO | pCR on removal of comparison operators in the KPI table | Revised to S1-231458 | | Revision of S1-231253. |
| Cont | [S1-231458](file:///E:\TSGS1_102_Berlin\Docs\S1-231458.zip) | OPPO | pCR on removal of comparison operators in the KPI table | Noted | | *Revision of S1-231253.*  Revision of S1-231404. |
| Cont | [S1-231249](file:///E:\TSGS1_102_Berlin\Docs\S1-231249.zip) | Xiaomi | Additional security requirement in the use case 5 | Noted | |  |
| Cont | [S1-231150](file:///E:\TSGS1_102_Berlin\Docs\S1-231150.zip) | Qualcomm | Update to Use Case on Ambient IoT for airport terminal / shipping port | Revised to S1-231364 | |  |
| Cont | [S1-231364](file:///E:\TSGS1_102_Berlin\Docs\S1-231364.zip) | Qualcomm | Update to Use Case on Ambient IoT for airport terminal / shipping port | Revised to S1-231405 | | Revision of S1-231150. |
| Cont | [S1-231405](file:///E:\TSGS1_102_Berlin\Docs\S1-231405.zip) | Qualcomm | Update to Use Case on Ambient IoT for airport terminal / shipping port | Agreed | | *Revision of S1-231150.*  Revision of S1-231364. |
| Cont | [S1-231151](file:///E:\TSGS1_102_Berlin\Docs\S1-231151.zip) | Qualcomm | Update to Use Case on Finding Lost Item | Revised to S1-231365 | |  |
| Cont | [S1-231365](file:///E:\TSGS1_102_Berlin\Docs\S1-231365.zip) | Qualcomm | Update to Use Case on Finding Lost Item | Revised to S1-231406 | | Revision of S1-231151. |
| Cont | [S1-231406](file:///E:\TSGS1_102_Berlin\Docs\S1-231406.zip) | Qualcomm | Update to Use Case on Finding Lost Item | Revised to S1-231485 | | *Revision of S1-231151.*  Revision of S1-231365. |
| Cont | [S1-231485](file:///E:\TSGS1_102_Berlin\docs\S1-231485.zip) | Qualcomm | Update to Use Case on Finding Lost Item | Revised to S1-231785 | | *Revision of S1-231151.*  *Revision of S1-231365.*  Revision of S1-231406. |
| Cont | [S1-231785](file:///E:\TSGS1_102_Berlin\docs\S1-231785.zip) | Qualcomm | Update to Use Case on Finding Lost Item | Revised to S1-231812 | | *Revision of S1-231151.*  *Revision of S1-231365.*  *Revision of S1-231406.*  Revision of S1-231485. |
| Cont | [S1-231812](docs\S1-231812.zip) | Qualcomm | Update to Use Case on Finding Lost Item | Agreed | | *Revision of S1-231151.*  *Revision of S1-231365.*  *Revision of S1-231406.*  *Revision of S1-231485.*  Revision of S1-231785.  Only changes on the KPI table will remain. |
| Cont | [S1-231295](file:///E:\TSGS1_102_Berlin\Docs\S1-231295.zip) | Huawei | FS\_Ambient IoT update KPI Device Density to clause 5.8 Finding Remote Lost Item | Revised to S1-231682 | |  |
| Cont | [S1-231682](file:///E:\TSGS1_102_Berlin\Docs\S1-231682.zip) | Huawei | FS\_Ambient IoT update KPI Device Density to clause 5.8 Finding Remote Lost Item | Agreed | | Revision of S1-231295. |
| Cont | [S1-231244](file:///E:\TSGS1_102_Berlin\Docs\S1-231244.zip) | Xiaomi | Removing the FFS of LCS KPI values in the use case 9 | Revised to S1-231407 | |  |
| Cont | [S1-231407](file:///E:\TSGS1_102_Berlin\Docs\S1-231407.zip) | Xiaomi | Removing the FFS of LCS KPI values in the use case 9 | Agreed | | Revision of S1-231244. |
| Cont | [S1-231238](file:///E:\TSGS1_102_Berlin\Docs\S1-231238.zip) | Xiaomi | Changing Ranging to relative positioning in the use case 10 | Revised to S1-231408 | |  |
| Cont | [S1-231408](file:///E:\TSGS1_102_Berlin\Docs\S1-231408.zip) | Xiaomi | Changing Ranging to relative positioning in the use case 10 | Revised to S1-231459 | | Revision of S1-231238. |
| Cont | [S1-231459](file:///E:\TSGS1_102_Berlin\Docs\S1-231459.zip) | Xiaomi | Changing Ranging to relative positioning in the use case 10 | Agreed | | *Revision of S1-231238.*  Revision of S1-231408. |
| Cont | [S1-231284](file:///E:\TSGS1_102_Berlin\Docs\S1-231284.zip) | ZTE | pCR to add the position KPI for 5.11 | Revised to S1-231409 | |  |
| Cont | [S1-231409](file:///E:\TSGS1_102_Berlin\Docs\S1-231409.zip) | ZTE | pCR to add the position KPI for 5.11 | Agreed | | Revision of S1-231284.  Same changes as in S1-231400 |
| Cont | [S1-231299](file:///E:\TSGS1_102_Berlin\Docs\S1-231299.zip) | Huawei | FS\_Ambient IoT update latency KPI value of clause 5.11 medical instruments status modification | Merge into S1-231401 | |  |
| Cont | [S1-231271](file:///E:\TSGS1_102_Berlin\Docs\S1-231271.zip) | OPPO | pCR on reference to EPC Tag Data Standard | Revised to S1-231402 | |  |
| Cont | [S1-231402](file:///E:\TSGS1_102_Berlin\Docs\S1-231402.zip) | OPPO | pCR on reference to EPC Tag Data Standard | Agreed | | Revision of S1-231271.  Delete notes of first KPI table (Use case 5.12) |
| Cont | [S1-231078](file:///E:\TSGS1_102_Berlin\Docs\S1-231078.zip) | vivo | update for use case 12 | Revised to S1-231410 | |  |
| Cont | [S1-231410](file:///E:\TSGS1_102_Berlin\Docs\S1-231410.zip) | vivo | update for use case 12 | Agreed | | Revision of S1-231078. |
| Cont | [S1-231245](file:///E:\TSGS1_102_Berlin\Docs\S1-231245.zip) | Xiaomi | Resolving the FFS about efficiency in the use case 15 | Revised to S1-231460 | |  |
| Cont | [S1-231460](file:///E:\TSGS1_102_Berlin\Docs\S1-231460.zip) | Xiaomi | Resolving the FFS about efficiency in the use case 15 | Agreed | | Revision of S1-231245. |
| Cont | [S1-231291](file:///E:\TSGS1_102_Berlin\Docs\S1-231291.zip) | Huawei | FS\_Ambient IoT remove EN by adding KPIs to clause 5.16 Automated Supply Chain Distribution | Revised to S1-231411 | |  |
| Cont | [S1-231411](file:///E:\TSGS1_102_Berlin\Docs\S1-231411.zip) | Huawei | FS\_Ambient IoT remove EN by adding KPIs to clause 5.16 Automated Supply Chain Distribution | Agreed | | Revision of S1-231291.  30m indoor (Note 1),  400m outdoor |
| Cont | [S1-231300](file:///E:\TSGS1_102_Berlin\Docs\S1-231300.zip) | Huawei | FS\_Ambient IoT update Transfer Interval KPI table of clause 5.18 Fresh Food Supply Chain | Agreed | |  |
| Cont | [S1-231241](file:///E:\TSGS1_102_Berlin\Docs\S1-231241.zip) | Xiaomi | Deletion of digitally stored information in the use case 29 | Revised to S1-231412 | |  |
| Cont | [S1-231412](file:///E:\TSGS1_102_Berlin\Docs\S1-231412.zip) | Xiaomi | Deletion of digitally stored information in the use case 29 | Revised to S1-231486 | | Revision of S1-231241. |
| Cont | [S1-231486](file:///E:\TSGS1_102_Berlin\Docs\S1-231486.zip) | Xiaomi | Deletion of digitally stored information in the use case 29 | Revised to S1-231764 | | *Revision of S1-231241.*  Revision of S1-231412. |
| Cont | [S1-231764](file:///E:\TSGS1_102_Berlin\docs\S1-231764.zip) | Xiaomi | Deletion of digitally stored information in the use case 29 | Noted | | *Revision of S1-231241.*  *Revision of S1-231412.*  Revision of S1-231486. |
| Cont | [S1-231079](file:///E:\TSGS1_102_Berlin\Docs\S1-231079.zip) | vivo | power consumption descriptions for use case 24 and 25 | Revised to S1-231413 | |  |
| Cont | [S1-231413](file:///E:\TSGS1_102_Berlin\Docs\S1-231413.zip) | vivo | power consumption descriptions for use case 24 and 25 | Agreed | | Revision of S1-231079. |
| Cont | [S1-231227](file:///E:\TSGS1_102_Berlin\Docs\S1-231227.zip) | Xiaomi | Pseudo-CR on Updates to Clause 5.21 | Agreed | |  |
| Cont | [S1-231286](file:///E:\TSGS1_102_Berlin\Docs\S1-231286.zip) | Huawei | FS\_Ambient IoT clause5\_22 kpi communication range | Revised to S1-231414 | |  |
| Cont | [S1-231414](file:///E:\TSGS1_102_Berlin\Docs\S1-231414.zip) | Huawei | FS\_Ambient IoT clause5\_22 kpi communication range | Agreed | | Revision of S1-231286. |
| Cont | [S1-231287](file:///E:\TSGS1_102_Berlin\Docs\S1-231287.zip) | Huawei | pCR-FS\_Ambient IoT clause5\_24 kpi communication range | Revised to S1-231415 | |  |
| Cont | [S1-231415](file:///E:\TSGS1_102_Berlin\Docs\S1-231415.zip) | Huawei | pCR-FS\_Ambient IoT clause5\_24 kpi communication range | Noted | | Revision of S1-231287. |
| Cont | [S1-231288](file:///E:\TSGS1_102_Berlin\Docs\S1-231288.zip) | Huawei | FS\_Ambient IoT clause5\_25 kpi | Revised to S1-231416 | |  |
| Cont | [S1-231416](file:///E:\TSGS1_102_Berlin\Docs\S1-231416.zip) | Huawei | FS\_Ambient IoT clause5\_25 kpi | Noted | | Revision of S1-231288. |
| Cont | [S1-231296](file:///E:\TSGS1_102_Berlin\Docs\S1-231296.zip) | Huawei | FS\_Ambient IoT update KPI Device Density to clause 5.26 Elderly Health Care | Revised to S1-231417 | |  |
| Cont | [S1-231417](file:///E:\TSGS1_102_Berlin\Docs\S1-231417.zip) | Huawei | FS\_Ambient IoT update KPI Device Density to clause 5.26 Elderly Health Care | Revised to S1-231461 | | Revision of S1-231296. |
| Cont | [S1-231461](file:///E:\TSGS1_102_Berlin\Docs\S1-231461.zip) | Huawei | FS\_Ambient IoT update KPI Device Density to clause 5.26 Elderly Health Care | Agreed | | *Revision of S1-231296.*  Revision of S1-231417. |
| Cont | [S1-231246](file:///E:\TSGS1_102_Berlin\Docs\S1-231246.zip) | Xiaomi | Resolving the FFS about relay in the use case 27 | Revised to S1-231441 | |  |
| Cont | [S1-231441](file:///E:\TSGS1_102_Berlin\Docs\S1-231441.zip) | Xiaomi | Resolving the FFS about relay in the use case 27 | Revised to S1-231462 | | Revision of S1-231246. |
| Cont | [S1-231462](file:///E:\TSGS1_102_Berlin\Docs\S1-231462.zip) | Xiaomi | Resolving the FFS about relay in the use case 27 | Revised to S1-231488 | | *Revision of S1-231246.*  Revision of S1-231441. |
| Cont | [S1-231488](file:///E:\TSGS1_102_Berlin\Docs\S1-231488.zip) | Xiaomi | Resolving the FFS about relay in the use case 27 | Revised to S1-231765 | | *Revision of S1-231246.*  *Revision of S1-231441.*  Revision of S1-231462. |
| Cont | [S1-231765](file:///E:\TSGS1_102_Berlin\docs\S1-231765.zip) | Xiaomi | Resolving the FFS about relay in the use case 27 | Revised to S1-231787 | | *Revision of S1-231246.*  *Revision of S1-231441.*  *Revision of S1-231462.*  Revision of S1-231488. |
| Cont | [S1-231787](file:///E:\TSGS1_102_Berlin\docs\S1-231787.zip) | Xiaomi | Resolving the FFS about relay in the use case 27 | Revised to S1-231813 | | *Revision of S1-231246.*  *Revision of S1-231441.*  *Revision of S1-231462.*  *Revision of S1-231488.*  Revision of S1-231765.  Change node to UE in the requirement and NOTE. |
| Cont | [S1-231813](docs\S1-231813.zip) | Xiaomi | Resolving the FFS about relay in the use case 27 | Agreed | | *Revision of S1-231246.*  *Revision of S1-231441.*  *Revision of S1-231462.*  *Revision of S1-231488.*  *Revision of S1-231765.*  *Change node to UE in the requirement and NOTE.*  Revision of S1-231787. |
| Cont | [S1-231248](file:///E:\TSGS1_102_Berlin\Docs\S1-231248.zip) | Xiaomi | Resolving the timer FFS in the use case 28 | Revised to S1-231442 | |  |
| Cont | [S1-231442](file:///E:\TSGS1_102_Berlin\Docs\S1-231442.zip) | Xiaomi | Resolving the timer FFS in the use case 28 | Revised to S1-231463 | | Revision of S1-231248. |
| Cont | [S1-231463](file:///E:\TSGS1_102_Berlin\Docs\S1-231463.zip) | Xiaomi | Resolving the timer FFS in the use case 28 | Revised to S1-231489 | | *Revision of S1-231248.*  Revision of S1-231442. |
| Cont | [S1-231489](file:///E:\TSGS1_102_Berlin\docs\S1-231489.zip) | Xiaomi | Resolving the timer FFS in the use case 28 | Withdrawn | | *Revision of S1-231248.*  *Revision of S1-231442.*  Revision of S1-231463. |
| Cont | [S1-231250](file:///E:\TSGS1_102_Berlin\Docs\S1-231250.zip) | InterDigital | Update to the Traffic Scenario on Flower Auction | Noted | |  |
| Cont | [S1-231269](file:///E:\TSGS1_102_Berlin\Docs\S1-231269.zip) | OPPO | pCR on KPIs for Ambient IoT traffic scenario on Electronic Shelf Label | Revised to S1-231443 | |  |
| Cont | [S1-231443](file:///E:\TSGS1_102_Berlin\Docs\S1-231443.zip) | OPPO | pCR on KPIs for Ambient IoT traffic scenario on Electronic Shelf Label | Revised to S1-231464 | | Revision of S1-231269. |
| Cont | [S1-231464](file:///E:\TSGS1_102_Berlin\Docs\S1-231464.zip) | OPPO | pCR on KPIs for Ambient IoT traffic scenario on Electronic Shelf Label | Agreed | | *Revision of S1-231269.*  Revision of S1-231443. |
| Consolidation & Conclusions | | | | | | |
| Cont | [S1-231097](file:///E:\TSGS1_102_Berlin\Docs\S1-231097.zip) | OPPO | Consolidation of Ambient IoT functional CPR | Revised to S1-231351 | |  |
| Cont | [S1-231351](file:///E:\TSGS1_102_Berlin\Docs\S1-231351.zip) | OPPO | Consolidation of Ambient IoT functional CPR | Revised to S1-231444 | | Revision of S1-231097. |
| Cont | [S1-231444](file:///E:\TSGS1_102_Berlin\Docs\S1-231444.zip) | OPPO | Consolidation of Ambient IoT functional CPR | Revised to S1-231456 | | *Revision of S1-231097.*  Revision of S1-231351. |
| Cont | [S1-231456](file:///E:\TSGS1_102_Berlin\Docs\S1-231456.zip) | OPPO | Consolidation of Ambient IoT functional CPR | Noted | | *Revision of S1-231097.*  *Revision of S1-231351.*  Revision of S1-231444. |
| Cont | [S1-231487](file:///E:\TSGS1_102_Berlin\Docs\S1-231487.zip) | OPPO | Consolidation of Ambient IoT functional CPR – part2 | Revised to S1-231788 | | *Revision of S1-231097.*  *Revision of S1-231351.*  Revision of S1-231444. |
| Cont | [S1-231788](file:///E:\TSGS1_102_Berlin\docs\S1-231788.zip) | OPPO | Consolidation of Ambient IoT functional CPR – part2 | Noted | | *Revision of S1-231097.*  *Revision of S1-231351.*  *Revision of S1-231444.*  Revision of S1-231487.  Delete requirement in clause 7.1.3 (only 1 requirement left) |
| Cont | [S1-231312](file:///E:\TSGS1_102_Berlin\Docs\S1-231312.zip) | Sharp, Apple | Pseudo-CR on New CPR for Management of Ambient IoT device | Merge into S1-231444 | |  |
| Cont | [S1-231314](file:///E:\TSGS1_102_Berlin\Docs\S1-231314.zip) | Sharp | Pseudo-CR on Revised CPR for Management of Ambient IoT device | Merge into S1-231444 | |  |
| Cont | [S1-231251](file:///E:\TSGS1_102_Berlin\Docs\S1-231251.zip) | OPPO | Consolidation on KPI for Ambient IoT | Revised to S1-231678 | |  |
| Cont | [S1-231678](file:///E:\TSGS1_102_Berlin\Docs\S1-231678.zip) | OPPO | Consolidation on KPI for Ambient IoT | Revised to S1-231713 | | Revision of S1-231251. |
| Cont | [S1-231713](file:///E:\TSGS1_102_Berlin\Docs\S1-231713.zip) | OPPO | Consolidation on KPI for Ambient IoT | Revised to S1-231744 | | *Revision of S1-231251.*  Revision of S1-231678. |
| Cont | [S1-231744](file:///E:\TSGS1_102_Berlin\docs\S1-231744.zip) | OPPO | Consolidation on KPI for Ambient IoT | Revised to S1-231766 | | *Revision of S1-231251.*  *Revision of S1-231678.*  Revision of S1-231713. |
| Cont | [S1-231766](file:///E:\TSGS1_102_Berlin\docs\S1-231766.zip) | OPPO | Consolidation on KPI for Ambient IoT | Noted | | *Revision of S1-231251.*  *Revision of S1-231678.*  *Revision of S1-231713.*  Revision of S1-231744.  Remove table of positioning in 7.1.3.  No presentation |
| Cont | [S1-231047](file:///E:\TSGS1_102_Berlin\Docs\S1-231047.zip) | SHARP | Support of a new TS for Ambient power-enabled Internet of Things | Moved to 4 | |  |
| FS\_AmbientIoT Output | | | | | | |
| TR | [S1-231332](docs\S1-231332.zip) | Rapporteur (OPPO) | Cover sheet of the TR22.840 for approval | Noted | |  |
| TR | S1-231333 | Rapporteur (OPPO) | TR 22.840v1.2.0 Study on Ambient power-enabled Internet of Things | Agreed | | First draft by Tuesday 30th 23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC  No presentation |
| FS\_Metaverse: Study on Localized Mobile Metaverse Services [[SP-220353](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220353.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Erik Guttman (Samsung)  Latest version: [TR 22.856v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.856/22856-100.zip)  Target completion date: SA#99 (03/2023)  Percentage completion: 75% | | | | | | |
| General | | | | | | |
| Cont | [S1-231232](file:///E:\TSGS1_102_Berlin\Docs\S1-231232.zip) | Samsung (Rapporteur) | 22.856 pCR Clean Up | Agreed | |  |
| Update use cases | | | | | | |
| Cont | [S1-231094](file:///E:\TSGS1_102_Berlin\Docs\S1-231094.zip) | Samsung, Huawei | 22.856 pCR: Removal of all Editor's Notes | Revised to S1-231582 | |  |
| Cont | [S1-231582](file:///E:\TSGS1_102_Berlin\Docs\S1-231582.zip) | Samsung, Huawei | 22.856 pCR: Removal of all Editor's Notes | Revised to S1-231623 | | Revision of S1-231094. |
| Cont | [S1-231623](file:///E:\TSGS1_102_Berlin\Docs\S1-231623.zip) | Samsung, Huawei | 22.856 pCR: Removal of all Editor's Notes | Revised to S1-231767 | | *Revision of S1-231094.*  Revision of S1-231582. |
| Cont | [S1-231767](file:///E:\TSGS1_102_Berlin\docs\S1-231767.zip) | Samsung, Huawei | 22.856 pCR: Removal of all Editor's Notes | Agreed | | *Revision of S1-231094.*  *Revision of S1-231582.*  Revision of S1-231623. |
| Cont | [S1-231173](file:///E:\TSGS1_102_Berlin\Docs\S1-231173.zip) | Huawei, Tencent | Pseudo-CR on updates to clause 5.2 | Agreed | |  |
| Cont | [S1-231162](file:///E:\TSGS1_102_Berlin\Docs\S1-231162.zip) | vivo | pCR on update of 5.7 AR Enabled Immersive Experience | Revised to S1-231583 | |  |
| Cont | [S1-231583](file:///E:\TSGS1_102_Berlin\Docs\S1-231583.zip) | vivo | pCR on update of 5.7 AR Enabled Immersive Experience | Revised to S1-231690 | | Revision of S1-231162. |
| Cont | [S1-231690](file:///E:\TSGS1_102_Berlin\Docs\S1-231690.zip) | vivo | pCR on update of 5.7 AR Enabled Immersive Experience | Agreed | | *Revision of S1-231162.*  Revision of S1-231583. |
| Cont | [S1-231247](file:///E:\TSGS1_102_Berlin\Docs\S1-231247.zip) | InterDigital | Resolving Editor’s Notes in the Supporting multi-service coordination in one mobile metaverse service Use Case | Merged to S1-231584 | |  |
| Cont | [S1-231092](file:///E:\TSGS1_102_Berlin\Docs\S1-231092.zip) | Samsung, China Mobile | 22.856 pCR UPdate 5.8 Use Case Supporting multi-service coordination in one mobile metaverse service | Revised to S1-231584 | |  |
| Cont | [S1-231584](file:///E:\TSGS1_102_Berlin\Docs\S1-231584.zip) | Samsung, China Mobile | 22.856 pCR UPdate 5.8 Use Case Supporting multi-service coordination in one mobile metaverse service | Revised to S1-231691 | | Revision of S1-231092. |
| Cont | [S1-231691](file:///E:\TSGS1_102_Berlin\Docs\S1-231691.zip) | Samsung, China Mobile | 22.856 pCR UPdate 5.8 Use Case Supporting multi-service coordination in one mobile metaverse service | Revised to S1-231727 | | *Revision of S1-231092.*  Revision of S1-231584. |
| Cont | [S1-231727](file:///E:\TSGS1_102_Berlin\Docs\S1-231727.zip) | Samsung, China Mobile | 22.856 pCR UPdate 5.8 Use Case Supporting multi-service coordination in one mobile metaverse service | Agreed | | *Revision of S1-231092.*  *Revision of S1-231584.*  Revision of S1-231691.  Add Stage 2 to the last reference |
| Cont | [S1-231163](file:///E:\TSGS1_102_Berlin\Docs\S1-231163.zip) | vivo | pCR on update of 5.12 Virtual humans in metaverse | Revised to S1-231585 | |  |
| Cont | [S1-231585](file:///E:\TSGS1_102_Berlin\Docs\S1-231585.zip) | vivo | pCR on update of 5.12 Virtual humans in metaverse | Agreed | | Revision of S1-231163. |
| Cont | [S1-231013](file:///E:\TSGS1_102_Berlin\Docs\S1-231013.zip) | China Telecom | PCR on Update of 5.15 Access to avatars | Agreed | |  |
| Cont | [S1-231213](file:///E:\TSGS1_102_Berlin\Docs\S1-231213.zip) | NTT DOCOMO | Addressing ENs on use case 5.17 | Revised to S1-231580 | |  |
| Cont | [S1-231580](file:///E:\TSGS1_102_Berlin\Docs\S1-231580.zip) | NTT DOCOMO | Addressing ENs on use case 5.17 | Revised to S1-231587 | | Revision of S1-231213. |
| Cont | [S1-231587](file:///E:\TSGS1_102_Berlin\Docs\S1-231587.zip) | NTT DOCOMO | Addressing ENs on use case 5.17 | Revised to S1-231598 | | *Revision of S1-231213.*  Revision of S1-231580. |
| Cont | [S1-231598](file:///E:\TSGS1_102_Berlin\Docs\S1-231598.zip) | NTT DOCOMO | Addressing ENs on use case 5.17 | Agreed | | *Revision of S1-231213.*  *Revision of S1-231580.*  Revision of S1-231587. |
| Cont | [S1-231214](file:///E:\TSGS1_102_Berlin\Docs\S1-231214.zip) | NTT DOCOMO | Editorial update proposal on use case 5.17 | Revised to S1-231581 | |  |
| Cont | [S1-231581](file:///E:\TSGS1_102_Berlin\Docs\S1-231581.zip) | NTT DOCOMO | Editorial update proposal on use case 5.17 | Agreed | | Revision of S1-231214. |
| Cont | [S1-231125](file:///E:\TSGS1_102_Berlin\Docs\S1-231125.zip) | Rakuten | pCR on the update for clause 5.21 Virtual Emergency Drill | Noted | |  |
| Cont | [S1-231160](file:///E:\TSGS1_102_Berlin\Docs\S1-231160.zip) | China Mobile, Huawei | Update of the Use Case on Authorization of Avatar Usage Rights | Revised to S1-231353 | |  |
| Cont | [S1-231353](file:///E:\TSGS1_102_Berlin\Docs\S1-231353.zip) | China Mobile, Huawei | Update of the Use Case on Authorization of Avatar Usage Rights | Revised to S1-231588 | | Revision of S1-231160. |
| Cont | [S1-231588](file:///E:\TSGS1_102_Berlin\Docs\S1-231588.zip) | China Mobile, Huawei | Update of the Use Case on Authorization of Avatar Usage Rights | Revised to S1-231592 | | *Revision of S1-231160.*  Revision of S1-231353. |
| Cont | [S1-231592](file:///E:\TSGS1_102_Berlin\Docs\S1-231592.zip) | China Mobile, Huawei | Update of the Use Case on Authorization of Avatar Usage Rights | Agreed | | *Revision of S1-231160.*  *Revision of S1-231353.*  Revision of S1-231588.  Change store and update to manage, the to an remove NOTE. |
| Cont | [S1-231093](file:///E:\TSGS1_102_Berlin\Docs\S1-231093.zip) | Samsung | 22.856 pCR Update 5.27 Use case of Localized Mobile Metaverse Overload | Revised to S1-231589 | |  |
| Cont | [S1-231589](file:///E:\TSGS1_102_Berlin\Docs\S1-231589.zip) | Samsung | 22.856 pCR Update 5.27 Use case of Localized Mobile Metaverse Overload | Revised to S1-231597 | | Revision of S1-231093. |
| Cont | [S1-231597](file:///E:\TSGS1_102_Berlin\Docs\S1-231597.zip) | Samsung | 22.856 pCR Update 5.27 Use case of Localized Mobile Metaverse Overload | Agreed | | *Revision of S1-231093.*  Revision of S1-231589.  Removal of NOTE |
| Cont | [S1-231014](file:///E:\TSGS1_102_Berlin\Docs\S1-231014.zip) | China Telecom | PCR on Update of 5.28 User identities in a digital asset container | Revised to S1-231590 | |  |
| Cont | [S1-231590](file:///E:\TSGS1_102_Berlin\Docs\S1-231590.zip) | China Telecom | PCR on Update of 5.28 User identities in a digital asset container | Revised to S1-231599 | | Revision of S1-231014. |
| Cont | [S1-231599](file:///E:\TSGS1_102_Berlin\Docs\S1-231599.zip) | China Telecom | PCR on Update of 5.28 User identities in a digital asset container | Agreed | | *Revision of S1-231014.*  Revision of S1-231590.  With changes PR2 |
| Cont | [S1-231164](file:///E:\TSGS1_102_Berlin\Docs\S1-231164.zip) | vivo | pCR on update of Annex C Energy Efficiency of Content Delivery for Metaverse Media Communication | Revised to S1-231591 | |  |
| Cont | [S1-231591](file:///E:\TSGS1_102_Berlin\Docs\S1-231591.zip) | vivo | pCR on update of Annex C Energy Efficiency of Content Delivery for Metaverse Media Communication | Revised to S1-231692 | | Revision of S1-231164. |
| Cont | [S1-231692](file:///E:\TSGS1_102_Berlin\Docs\S1-231692.zip) | vivo | pCR on update of Annex C Energy Efficiency of Content Delivery for Metaverse Media Communication | Agreed | | *Revision of S1-231164.*  Revision of S1-231591. |
| Consolidation & Conclusions | | | | | | |
| Cont | [S1-231222](file:///E:\TSGS1_102_Berlin\Docs\S1-231222.zip) | Huawei | Discussion on FS\_Metaverse Potential Requirements Consolidation | Noted | |  |
| Cont | [S1-231103](file:///E:\TSGS1_102_Berlin\Docs\S1-231103.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231350 | |  |
| Cont | [S1-231350](file:///E:\TSGS1_102_Berlin\Docs\S1-231350.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231369 | | Revision of S1-231103. |
| Cont | [S1-231369](file:///E:\TSGS1_102_Berlin\Docs\S1-231369.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231384 | | *Revision of S1-231103.*  Revision of S1-231350. |
| Cont | [S1-231384](file:///E:\TSGS1_102_Berlin\Docs\S1-231384.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231693 | | *Revision of S1-231103.*  *Revision of S1-231350.*  Revision of S1-231369. |
| Cont | [S1-231693](file:///E:\TSGS1_102_Berlin\Docs\S1-231693.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231695 | | *Revision of S1-231103.*  *Revision of S1-231350.*  *Revision of S1-231369.*  Revision of S1-231384. |
| Cont | [S1-231695](file:///E:\TSGS1_102_Berlin\Docs\S1-231695.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231721 | | *Revision of S1-231103.*  *Revision of S1-231350.*  *Revision of S1-231369.*  *Revision of S1-231384.*  Revision of S1-231693. |
| Cont | [S1-231721](file:///E:\TSGS1_102_Berlin\Docs\S1-231721.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231726 | | *Revision of S1-231103.*  *Revision of S1-231350.*  *Revision of S1-231369.*  *Revision of S1-231384.*  *Revision of S1-231693.*  Revision of S1-231695. |
| Cont | [S1-231726](file:///E:\TSGS1_102_Berlin\Docs\S1-231726.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231739 | | *Revision of S1-231103.*  *Revision of S1-231350.*  *Revision of S1-231369.*  *Revision of S1-231384.*  *Revision of S1-231693.*  *Revision of S1-231695.*  Revision of S1-231721.  Delete CPRs C8, D3, D5, D8, D4, E6  Clean tdoc and remove line of use cases at the beginning of the sections. |
| Cont | [S1-231739](file:///E:\TSGS1_102_Berlin\docs\S1-231739.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231748 | | *Revision of S1-231103.*  *Revision of S1-231350.*  *Revision of S1-231369.*  *Revision of S1-231384.*  *Revision of S1-231693.*  *Revision of S1-231695.*  *Revision of S1-231721.*  *Delete CPRs C8, D3, D5, D8, D4, E6*  *Clean tdoc and remove line of use cases at the beginning of the sections.*  Revision of S1-231726. |
| Cont | [S1-231748](file:///E:\TSGS1_102_Berlin\docs\S1-231748.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Revised to S1-231784 | | *Revision of S1-231103.*  *Revision of S1-231350.*  *Revision of S1-231369.*  *Revision of S1-231384.*  *Revision of S1-231693.*  *Revision of S1-231695.*  *Revision of S1-231721.*  *Delete CPRs C8, D3, D5, D8, D4, E6*  *Clean tdoc and remove line of use cases at the beginning of the sections.*  *Revision of S1-231726.*  Revision of S1-231739. |
| Cont | [S1-231784](file:///E:\TSGS1_102_Berlin\docs\S1-231784.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | Agreed | | *Revision of S1-231103.*  *Revision of S1-231350.*  *Revision of S1-231369.*  *Revision of S1-231384.*  *Revision of S1-231693.*  *Revision of S1-231695.*  *Revision of S1-231721.*  *Delete CPRs C8, D3, D5, D8, D4, E6*  *Clean tdoc and remove line of use cases at the beginning of the sections.*  *Revision of S1-231726.*  *Revision of S1-231739.*  Revision of S1-231748. |
| Cont | S1-231710 | Editor (Samsung) | FS\_Metaverse requirements not consolidated | Noted | | . |
| Cont | [S1-231109](file:///E:\TSGS1_102_Berlin\Docs\S1-231109.zip) | Huawei, Samsung, Nokia, Nokia Shanghai Bell, Tencent | pCR to TR 22.865: Requirement Consolidation for KPIs | Revised to S1-231593 | |  |
| Cont | [S1-231593](file:///E:\TSGS1_102_Berlin\Docs\S1-231593.zip) | Huawei, Samsung, Nokia, Nokia Shanghai Bell, Tencent | pCR to TR 22.865: Requirement Consolidation for KPIs | Revised to S1-231696 | | Revision of S1-231109. |
| Cont | [S1-231696](file:///E:\TSGS1_102_Berlin\Docs\S1-231696.zip) | Huawei, Samsung, Nokia, Nokia Shanghai Bell, Tencent | pCR to TR 22.865: Requirement Consolidation for KPIs | Agreed | | *Revision of S1-231109.*  Revision of S1-231593. |
| Cont | [S1-231100](file:///E:\TSGS1_102_Berlin\Docs\S1-231100.zip) | Samsung (Rapporteur) | 22.856 pCR Update 8 Conclusion | Revised to S1-231594 | |  |
| Cont | [S1-231594](file:///E:\TSGS1_102_Berlin\Docs\S1-231594.zip) | Samsung (Rapporteur) | 22.856 pCR Update 8 Conclusion | Agreed | | Revision of S1-231100.  With removal of the second sentence of the proposal. |
| Cont | [S1-231698](file:///E:\TSGS1_102_Berlin\Docs\S1-231698.zip) | Samsung | FS\_Metaverse agreed, non-consolidated requirements | Revised to S1-231728 | |  |
| Cont | [S1-231728](file:///E:\TSGS1_102_Berlin\Docs\S1-231728.zip) | Samsung | FS\_Metaverse agreed, non-consolidated requirements | Revised to S1-231749 | | Revision of S1-231698. |
| Cont | [S1-231749](file:///E:\TSGS1_102_Berlin\docs\S1-231749.zip) | Samsung | FS\_Metaverse agreed, non-consolidated requirements | Noted | | *Revision of S1-231698.*  Revision of S1-231728. |
| Cont | S1-231015 | China Telecom, Orange, China Mobile, Huawei | Merged potential service requirements on digital asset management | Withdrawn | |  |
| Cont | [S1-231016](file:///E:\TSGS1_102_Berlin\Docs\S1-231016.zip) | China Mobile Com. Corporation | S1-23xxxx-22856-pCR-Update of the Use Case on Authorization of Avatar Usage Rights | Withdrawn | |  |
| Cont | [S1-231091](file:///E:\TSGS1_102_Berlin\Docs\S1-231091.zip) | SAMSUNG | FS\_Metaverse Status Report | Withdrawn | |  |
| FS\_Metaverse Output | | | | | | |
| TR | [S1-231090](file:///E:\TSGS1_102_Berlin\Docs\S1-231090.zip) | Rapporteur (Samsung) | Presentation of Specification/Report to TSG: TR 22.856 1.1.0 | Revised to S1-231777 | |  |
| TR | [S1-231777](file:///E:\TSGS1_102_Berlin\docs\S1-231777.zip) | Rapporteur (Samsung) | Presentation of Specification/Report to TSG: TR 22.856 1.1.0 | Revised to S1-231789 | | Revision of S1-231090. |
| TR | [S1-231789](file:///E:\TSGS1_102_Berlin\docs\S1-231789.zip) | Rapporteur (Samsung) | Presentation of Specification/Report to TSG: TR 22.856 1.1.0 | Agreed | | *Revision of S1-231090.*  Revision of S1-231777.  To change:  - Most consolidation of potential requirements and KPIs have been completed.  - Requirements updated (that previously were under discussion but not yet agreed.) |
| TR | S1-231334 | Rapporteur (Samsung) | TR 22.856v1.1.0 Study on Localized Mobile Metaverse Services | Agreed | | First draft by Tuesday 30th 23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC |
| FS\_NetShare: Study on Network Sharing Aspects [[SP-220087](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220087.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Qun Wei (China Unicom)  Latest version: [TR 22.851v1.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.851/22851-110.zip)  Target completion date: SA#98 (03/2023)  Percentage completion: 75% | | | | | | |
| General | | | | | | |
| Cont | [S1-231139](file:///E:\TSGS1_102_Berlin\Docs\S1-231139.zip) | CATT | Term Adaption and Alignment in PRs | Revised to S1-231523 | |  |
| Cont | [S1-231523](file:///E:\TSGS1_102_Berlin\Docs\S1-231523.zip) | CATT | Term Adaption and Alignment in PRs | Agreed | | Revision of S1-231139. |
| Cont | [S1-231182](file:///E:\TSGS1_102_Berlin\Docs\S1-231182.zip) | China Unicom | Definition alignment of TR 22.851 | Pre-agreed | | No presentation |
| Use cases | | | | | | |
| Cont | [S1-231138](file:///E:\TSGS1_102_Berlin\Docs\S1-231138.zip) | CATT | pCR on Updates of 5.7 Long Distance Mobility | Pre-agreed | | No presentation |
| Cont | [S1-231255](file:///E:\TSGS1_102_Berlin\Docs\S1-231255.zip) | CableLabs | Use case for prioritizing home RAN over partner operator's RAN | Revised to S1-231505 | |  |
| Cont | [S1-231505](file:///E:\TSGS1_102_Berlin\Docs\S1-191505.zip) | CableLabs | Use case for prioritizing home RAN over partner operator's RAN | Revised to S1-231524 | | Revision of S1-231255.  Clarification on NOTEs |
| Cont | [S1-231524](file:///E:\TSGS1_102_Berlin\Docs\S1-231524.zip) | CableLabs | Use case for prioritizing home RAN over partner operator's RAN | Revised to S1-231525 | | *Revision of S1-231255.*  *Clarification on NOTEs*  Revision of S1-231505. |
| Cont | [S1-231525](file:///E:\TSGS1_102_Berlin\Docs\S1-231525.zip) | CableLabs | Use case for prioritizing home RAN over partner operator's RAN | Agreed | | *Revision of S1-231255.*  *Clarification on NOTEs*  *Revision of S1-231505.*  Revision of S1-231524. |
| Consolidation & Conclusions | | | | | | |
| Cont | [S1-231019](file:///E:\TSGS1_102_Berlin\Docs\S1-231019.zip) | ZTE | Requirements Consolidation- Further Aspects | Revised to S1-231344 | |  |
| Cont | [S1-231344](file:///E:\TSGS1_102_Berlin\Docs\S1-231344.zip) | ZTE | Requirements Consolidation- Further Aspects | Revised to S1-231506 | | Revision of S1-231019. |
| Cont | [S1-231506](file:///E:\TSGS1_102_Berlin\Docs\S1-231506.zip) | ZTE | Requirements Consolidation- Further Aspects | Agreed | | *Revision of S1-231019.*  Revision of S1-231344  7.2.X.1 removed from “considering”  7.2.Y.3 removed the NOTE  Move the 7.2.Z to 7.2.X |
| Cont | [S1-231048](file:///E:\TSGS1_102_Berlin\Docs\S1-231048.zip) | China Unicom | Updated Consolidation on general aspects | Revised to S1-231507 | |  |
| Cont | [S1-231507](file:///E:\TSGS1_102_Berlin\Docs\S1-231507.zip) | China Unicom | Updated Consolidation on general aspects | Revised to S1-231526 | | Revision of S1-231048. |
| Cont | [S1-231526](file:///E:\TSGS1_102_Berlin\Docs\S1-231526.zip) | China Unicom | Updated Consolidation on general aspects | Agreed | | *Revision of S1-231048.*  Revision of S1-231507.  Remove requirements from third column and only have the number of the PRs |
| Cont | [S1-231137](file:///E:\TSGS1_102_Berlin\Docs\S1-231137.zip) | CATT, Charter Communications | pCR on Security Consideration | Revised to S1-231508 | |  |
| Cont | [S1-231508](file:///E:\TSGS1_102_Berlin\Docs\S1-191508.zip) | CATT, Charter Communications | pCR on Security Consideration | Revised to S1-231723 | | Revision of S1-231137.  concerns on PR1-3 |
| Cont | [S1-231723](file:///E:\TSGS1_102_Berlin\Docs\S1-231723.zip) | CATT, Charter Communications | pCR on Security Consideration | Agreed | | *Revision of S1-231137.*  *concerns on PR1-3*  Revision of S1-231508. |
| Cont | [S1-231140](file:///E:\TSGS1_102_Berlin\Docs\S1-231140.zip) | CATT, China Unicom, Charter Communications | pCR on Consolidation – access control and security aspects | Revised to S1-231514 | |  |
| Cont | [S1-231514](file:///E:\TSGS1_102_Berlin\Docs\S1-231514.zip) | CATT, China Unicom, Charter Communications | pCR on Consolidation – access control and security aspects | Revised to S1-231521 | | Revision of S1-231140. |
| Cont | [S1-231521](file:///E:\TSGS1_102_Berlin\Docs\S1-231521.zip) | CATT, China Unicom, Charter Communications | pCR on Consolidation – access control and security aspects | Revised to S1-231527 | | *Revision of S1-231140.*  Revision of S1-231514. |
| Cont | [S1-231527](file:///E:\TSGS1_102_Berlin\Docs\S1-231527.zip) | CATT, China Unicom, Charter Communications | pCR on Consolidation – access control and security aspects | Agreed | | *Revision of S1-231140.*  *Revision of S1-231514.*  Revision of S1-231521.  3GPP system -> 5G system |
| Cont | [S1-231052](file:///E:\TSGS1_102_Berlin\Docs\S1-231052.zip) | China Unicom | FS\_Netshare Conclusions | Revised to S1-231522 | |  |
| Cont | [S1-231522](file:///E:\TSGS1_102_Berlin\Docs\S1-191522.zip) | China Unicom | FS\_Netshare Conclusions | Pre-agreed | | Revision of S1-231052.  Remove the text on “new TS”  No presentation |
| Cont | [S1-231018](file:///E:\TSGS1_102_Berlin\Docs\S1-231018.zip) | ZTE | Annex A1- Potential Requirements List for NetShare | Noted | |  |
| FS\_NetShare Output | | | | | | |
| TR | [S1-231335](file:///E:\TSGS1_102_Berlin\docs\S1-231335.zip) | Rapporteur (China Unicom) | Cover sheet of the TR22.851 for approval | Revised to S1-231796 | |  |
| TR | [S1-231796](docs\S1-231796.zip) | Rapporteur (China Unicom) | Cover sheet of the TR22.851 for approval | Agreed | | Revision of S1-231335.   * Consolidation is ready. |
| TR | S1-231336 | Rapporteur (China Unicom) | TR 22.851v1.2.0 Study on Network Sharing Aspects | Agreed | | First draft by Tuesday 30th 23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC |
| FS\_FRMCS\_Ph5: Study on FRMCS Phase 5 [[SP-220088](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220088.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Guillaume Gach (UIC)  Latest version: [TR22.989v19.2.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.989/22989-j20.zip)  Target completion date: SA#101 (09/2023)  Percentage completion: 50% | | | | | | |
| CR | [S1-231177](file:///E:\TSGS1_102_Berlin\Docs\S1-231177.zip) | Kyonggi University | 22.989v19.2.0 Minor editorial update of some definitions | Revised in S1-231630 | | *WI* FS\_FRMCS\_Ph5 *Rel-19 CR*0024*R- Cat D*  *Wrong TR, missing 00 in CR# and wrong rev.* |
| CR | S1-231630 | Kyonggi University | 22.989v19.2.0 Introduction and updates of Smart railway definitions | Agreed in the drafting session | |  |
| CR | [S1-231178](file:///E:\TSGS1_102_Berlin\Docs\S1-231178.zip) | Kyonggi University | 22.989v19.2.0 Minor editorial update of references | Noted | | *WI* FS\_FRMCS\_Ph5 *Rel-19 CR*0025*R- Cat D*  *Wrong TR, missing 00 in CR# and wrong rev.* |
| CR | [S1-231315](file:///E:\TSGS1_102_Berlin\Docs\S1-231315.zip) | UIC | 22.989v19.2.0 Clean-up of Railway Emergency Communication related use cases | Revised in S1-231633 | | *WI* FS\_FRMCS\_Ph5 *Rel-19 CR*0026*R-* |
| CR | S1-231633 | UIC | 22.989v19.2.0 Clean-up of Railway Emergency Communication related use cases | Agreed in drafting session | |  |
| Cont | [S1-231170](file:///E:\TSGS1_102_Berlin\Docs\S1-231170.zip) | Kyonggi University | Transportation convenience service for the passengers for the reduced mobility | Withdrawn | | Need to be a CR |
| CR | S1-231373 | Kyonggi University | 22.989v19.2.0 Transportation convenience service for the passengers for the reduced mobility | Revised in S1-231632 | | Replaces S1-231170 |
| CR | [S1-231632](file:///E:\TSGS1_102_Berlin\Docs\S1-231632.zip) | Kyonggi University | 22.989v19.2.0 Transportation convenience service for the passengers for the reduced mobility | Revised to S1-231680 | |  |
| CR | [S1-231680](file:///E:\TSGS1_102_Berlin\Docs\S1-231680.zip) | Kyonggi University | 22.989v19.2.0 Transportation convenience service for the passengers for the reduced mobility | Revised to S1-231731 | | Revision of S1-231632. |
| CR | [S1-231731](file:///E:\TSGS1_102_Berlin\Docs\S1-231731.zip) | Kyonggi University | 22.989v19.2.0 Transportation convenience service for the passengers for the reduced mobility | Agreed | | *Revision of S1-231632.*  Revision of S1-231680.  Rev counter, date and 1731 is the same as 1632 |
| Cont | [S1-231171](file:///E:\TSGS1_102_Berlin\Docs\S1-231171.zip) | Kyonggi University | Multiple concurrent mobility services | Withdrawn | | Need to be a CR |
| CR | S1-231374 | Kyonggi University | 22.989v19.2.0 Multiple concurrent mobility services | Revised in S1-231631 | | Replaces S1-231171 |
| CR | [S1-231631](file:///E:\TSGS1_102_Berlin\Docs\S1-231631.zip) | Kyonggi University | 22.989v19.2.0 Multiple concurrent mobility services | Revised to S1-231679 | |  |
| CR | [S1-231679](file:///E:\TSGS1_102_Berlin\Docs\S1-231679.zip) | Kyonggi University | 22.989v19.2.0 Multiple concurrent mobility services | Revised to S1-231732 | | Revision of S1-231631. |
| CR | [S1-231732](file:///E:\TSGS1_102_Berlin\Docs\S1-231732.zip) | Kyonggi University | 22.989v19.2.0 Multiple concurrent mobility services | Agreed | | *Revision of S1-231631.*  Revision of S1-231679.  Rev counter, date and 1732 is the same as 1631 |
| FS\_AIML\_Ph2: Study on AI/ML Model Transfer\_Phase2 [[SP-220083](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220083.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Xu Yang (OPPO)  Latest version: [TR22.876v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.876/22876-100.zip)  Target completion date: SA#98 (03/2023)  Percentage completion: 75% | | | | | | |
| Update use cases | | | | | | |
| Cont | [S1-231104](file:///E:\TSGS1_102_Berlin\Docs\S1-231104.zip) | OPPO | FS\_AIML-Ph2 TR updates | Pre-agreed | | No presentation |
| Cont | [S1-231301](file:///E:\TSGS1_102_Berlin\Docs\S1-231301.zip) | InterDigital | Update to the Use Case Asynchronous FL via direct device connection | Revised to S1-231509 | |  |
| Cont | [S1-231509](file:///E:\TSGS1_102_Berlin\docs\S1-231509.zip) | InterDigital | Update to the Use Case Asynchronous FL via direct device connection | Agreed | | Revision of S1-231301. |
| Consolidation & Conclusions | | | | | | |
| Cont | [S1-231098](file:///E:\TSGS1_102_Berlin\Docs\S1-231098.zip) | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | Revised to S1-231352 | |  |
| Cont | [S1-231352](file:///E:\TSGS1_102_Berlin\Docs\S1-231352.zip) | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | Revised to S1-191510 | | Revision of S1-231098. |
| Cont | [S1-231510](file:///E:\TSGS1_102_Berlin\docs\S1-231510.zip) | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | Revised to S1-231708 | | *Revision of S1-231098.*  Revision of S1-231352.  Comments from Mediatek |
| Cont | [S1-231708](file:///E:\TSGS1_102_Berlin\docs\S1-231708.zip) | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | Revised to S1-231797 | | *Revision of S1-231098.*  *Revision of S1-231352.*  *Comments from Mediatek*  Revision of S1-231510. |
| Cont | [S1-231797](docs\S1-231797.zip) | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | Agreed | | *Revision of S1-231098.*  *Revision of S1-231352.*  *Revision of S1-231510.*  Revision of S1-231708.  Fix typos and fix caption of tables with correct numbering. |
| Cont | [S1-231099](file:///E:\TSGS1_102_Berlin\Docs\S1-231099.zip) | OPPO | Consolidation on KPI table of AIML-Ph2 | Revised to S1-231511 | |  |
| Cont | [S1-231511](file:///E:\TSGS1_102_Berlin\docs\S1-231511.zip) | OPPO | Consolidation on KPI table of AIML-Ph2 | Revised to S1-231725 | | Revision of S1-231099.  Questions on latency and rate |
| Cont | [S1-231725](file:///E:\TSGS1_102_Berlin\docs\S1-231725.zip) | OPPO | Consolidation on KPI table of AIML-Ph2 | Revised to S1-231741 | | *Revision of S1-231099.*  *Questions on latency and rate*  Revision of S1-231511.  Fix caption of tables.  No presentation |
| Cont | [S1-231741](file:///E:\TSGS1_102_Berlin\docs\S1-231741.zip) | OPPO | Consolidation on KPI table of AIML-Ph2 | Agreed | | *Revision of S1-231099.*  Revision of S1-231725. |
| Cont | [S1-231102](file:///E:\TSGS1_102_Berlin\Docs\S1-231102.zip) | OPPO | TR conclusion of AIML-Ph2 | Revised to S1-191512 | |  |
| Cont | [S1-191512](file:///E:\TSGS1_102_Berlin\Docs\S1-191512.zip) | OPPO | TR conclusion of AIML-Ph2 | Pre-agreed | | Revision of S1-231102.  Remove the “into a new TS”  No presentation |
| FS\_AIML\_Ph2 Output | | | | | | |
| TR | [S1-231337](docs\S1-231337.zip) | Rapporteur (OPPO) | Cover sheet of the TR22.876 for approval | Revised to S1-231814 | | Remove. Change history of this document: |
| TR | [S1-231814](docs\S1-231814.zip) | Rapporteur (OPPO) | Cover sheet of the TR22.876 for approval | Agreed | | Remove. Change history of this document:  Delete This TR has already been presented to TSG SA.  Outstanding issues will be none.  Revision of S1-231337.  No presentation |
| TR | S1-231338 | Rapporteur (OPPO) | TR 22.876v1.1.0 Study on AI/ML Model Transfer\_Phase2 | Agreed | | First draft by Tuesday 30th 23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC |
| FS\_5GSAT\_Ph3: New SID on satellite access - Phase 3 [[SP-220679](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220679.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Thierry Bérisot (Novamint), Xu Xia (China Telecom)  Latest version: [TR22.865v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.865/22865-100.zip)  Target completion date: SA#99 (03/2023)  Percentage completion: 80% | | | | | | |
| General | | | | | | |
| Cont | [S1-231084](file:///E:\TSGS1_102_Berlin\Docs\S1-231084.zip) | NOVAMINT, Nokia, China Telecom, Huawei | update for scope and overview sections | Revised to S1-231560 | |  |
| Cont | [S1-231560](file:///E:\TSGS1_102_Berlin\Docs\S1-231560.zip) | NOVAMINT, Nokia, China Telecom, Huawei | update for scope and overview sections | Agreed | | Revision of S1-231084.  Remove text on network planning |
| Cont | [S1-231085](file:///E:\TSGS1_102_Berlin\Docs\S1-231085.zip) | NOVAMINT | update and clean-ups for TR 22.865 | Revised to S1-231575 | |  |
| Cont | [S1-231575](file:///E:\TSGS1_102_Berlin\Docs\S1-231575.zip) | NOVAMINT | update and clean-ups for TR 22.865 | Agreed | | Revision of S1-231085.  Remove changes also addressed in other tdocs |
| Cont | [S1-231144](file:///E:\TSGS1_102_Berlin\Docs\S1-231144.zip) | CATT | pCR on new term for UE-Satellite-UE communication | Revised to S1-231561 | |  |
| Cont | [S1-231561](file:///E:\TSGS1_102_Berlin\Docs\S1-231561.zip) | CATT | pCR on new term for UE-Satellite-UE communication | Revised to S1-231576 | | Revision of S1-231144. |
| Cont | [S1-231576](file:///E:\TSGS1_102_Berlin\Docs\S1-231576.zip) | CATT | pCR on new term for UE-Satellite-UE communication | Agreed | | *Revision of S1-231144.*  Revision of S1-231561.  Several -> more |
| Update use cases | | | | | | |
| Cont | [S1-231117](file:///E:\TSGS1_102_Berlin\Docs\S1-231117.zip) | CMCC | pCR on updating service requirements for clause 5.1 | Revised to S1-231562 | |  |
| Cont | [S1-231562](file:///E:\TSGS1_102_Berlin\Docs\S1-231562.zip) | CMCC | pCR on updating service requirements for clause 5.1 | Revised to S1-231577 | | Revision of S1-231117. |
| Cont | [S1-231577](file:///E:\TSGS1_102_Berlin\Docs\S1-231577.zip) | CMCC | pCR on updating service requirements for clause 5.1 | Agreed | | *Revision of S1-231117.*  Revision of S1-231562.  Last requirement:  [PR 5.1.6-007] The 5G system with satellite access supporting the S&F operation shall be able to support suitable means to resume communication between the ground station and satellite once the feeder link becomes available. |
| Cont | [S1-231120](file:///E:\TSGS1_102_Berlin\Docs\S1-231120.zip) | ETRI, Novamint, Lockheed Martin | Pseudo-CR on update of clause 5.1 Use case on store and forward - MO | Revised to S1-231563 | |  |
| Cont | [S1-231563](file:///E:\TSGS1_102_Berlin\Docs\S1-231563.zip) | ETRI, Novamint, Lockheed Martin | Pseudo-CR on update of clause 5.1 Use case on store and forward - MO | Agreed | | Revision of S1-231120.  With note added as is on the photo |
| Cont | [S1-231118](file:///E:\TSGS1_102_Berlin\Docs\S1-231118.zip) | CMCC | pCR on update service requirements for clause 5.2 | Revised to S1-231564 | |  |
| Cont | [S1-231564](file:///E:\TSGS1_102_Berlin\Docs\S1-231564.zip) | CMCC | pCR on update service requirements for clause 5.2 | Revised to S1-231578 | | Revision of S1-231118. |
| Cont | [S1-231578](file:///E:\TSGS1_102_Berlin\Docs\S1-231578.zip) | CMCC | pCR on update service requirements for clause 5.2 | Agreed | | *Revision of S1-231118.*  Revision of S1-231564.  [PR 5.2.6-006] The 5G system with satellite access supporting the S&F operation shall be able to support suitable means to resume communication between the ground station and satellite once the feeder link becomes available. |
| Cont | [S1-231143](file:///E:\TSGS1_102_Berlin\Docs\S1-231143.zip) | CATT | pCR on Updates of 5.2 Store and Forward- MT | Revised to S1-231565 | |  |
| Cont | [S1-231565](file:///E:\TSGS1_102_Berlin\Docs\S1-231565.zip) | CATT | pCR on Updates of 5.2 Store and Forward- MT | Revised to S1-231579 | | Revision of S1-231143. |
| Cont | [S1-231579](file:///E:\TSGS1_102_Berlin\Docs\S1-231579.zip) | CATT | pCR on Updates of 5.2 Store and Forward- MT | Agreed | | *Revision of S1-231143.*  Revision of S1-231565.  [PR 5.2.6-005] The 5G system with satellite access shall be able to provide to a trusted third party application the information about the store and forward operation applied to a UE (e.g. estimated delivery time to the UE). |
| Cont | [S1-231208](file:///E:\TSGS1_102_Berlin\Docs\S1-231208.zip) | Nokia | 22.865 pCR: Updates in use case 5.4 to highlight S&F mode | Agreed | |  |
| Cont | [S1-231119](file:///E:\TSGS1_102_Berlin\Docs\S1-231119.zip) | CMCC | pCR on updating service requirements for clause 5.6 | Revised to S1-231677 | |  |
| Cont | [S1-231677](file:///E:\TSGS1_102_Berlin\Docs\S1-231677.zip) | CMCC | pCR on updating service requirements for clause 5.6 | Revised to S1-231566 | | Revision of S1-231119. |
| Cont | [S1-231566](file:///E:\TSGS1_102_Berlin\Docs\S1-231566.zip) | CMCC | pCR on updating service requirements for clause 5.6 | Revised to S1-231700 | | *Revision of S1-231119.*  Revision of S1-231677. |
| Cont | [S1-231700](file:///E:\TSGS1_102_Berlin\Docs\S1-231700.zip) | CMCC | pCR on updating service requirements for clause 5.6 | Agreed | | *Revision of S1-231119.*  *Revision of S1-231677.*  Revision of S1-231566.  Subject to regulatory requirements and operator policies  Remove parenthesis around temporarily |
| Cont | [S1-231141](file:///E:\TSGS1_102_Berlin\Docs\S1-231141.zip) | CATT | pCR on Updates of 5.10 Vehicle Fleet Management | Revised to S1-231567 | |  |
| Cont | [S1-231567](file:///E:\TSGS1_102_Berlin\Docs\S1-231567.zip) | CATT | pCR on Updates of 5.10 Vehicle Fleet Management | Revised to S1-231701 | | Revision of S1-231141. |
| Cont | [S1-231701](file:///E:\TSGS1_102_Berlin\Docs\S1-231701.zip) | CATT | pCR on Updates of 5.10 Vehicle Fleet Management | Revised to S1-231724 | | *Revision of S1-231141.*  Revision of S1-231567. |
| Cont | [S1-231724](file:///E:\TSGS1_102_Berlin\Docs\S1-231724.zip) | CATT | pCR on Updates of 5.10 Vehicle Fleet Management | Revised to S1-231740 | | *Revision of S1-231141.*  *Revision of S1-231567.*  Revision of S1-231701. |
| Cont | [S1-231740](file:///E:\TSGS1_102_Berlin\docs\S1-231740.zip) | CATT | pCR on Updates of 5.10 Vehicle Fleet Management | Agreed | | *Revision of S1-231141.*  *Revision of S1-231567.*  *Revision of S1-231701.*  Revision of S1-231724. |
| Cont | [S1-231142](file:///E:\TSGS1_102_Berlin\Docs\S1-231142.zip) | CATT | pCR on Updates of 5.13 Enhanced Positioning Service | Revised to S1-231572 | |  |
| Cont | [S1-231572](file:///E:\TSGS1_102_Berlin\Docs\S1-231572.zip) | CATT | pCR on Updates of 5.13 Enhanced Positioning Service | Revised to S1-231573 | | Revision of S1-231142. |
| Cont | [S1-231573](file:///E:\TSGS1_102_Berlin\Docs\S1-231573.zip) | CATT | pCR on Updates of 5.13 Enhanced Positioning Service | Revised to S1-231722 | | *Revision of S1-231142.*  Revision of S1-231572.  Subject to regulatory requirements at the start and remove dash from kilometers |
| Cont | [S1-231722](file:///E:\TSGS1_102_Berlin\Docs\S1-231722.zip) | CATT | pCR on Updates of 5.13 Enhanced Positioning Service | Agreed | | *Revision of S1-231142.*  *Revision of S1-231572.*  *Subject to regulatory requirements at the start and remove dash from kilometers*  Revision of S1-231573.  Add supporting company. |
| Cont | [S1-231121](file:///E:\TSGS1_102_Berlin\Docs\S1-231121.zip) | ETRI, Novamint, Lockheed Martin | Pseudo-CR on update of clause 5.14 Use case on service continuity for UE-to-UE communication between satellites | Agreed | |  |
| Cont | [S1-231122](file:///E:\TSGS1_102_Berlin\Docs\S1-231122.zip) | ETRI, Novamint, Lockheed Martin | Pseudo-CR on update of clause 5.15 Use case on service continuity for UE-to-UE communication in case of mobility between satellite and terrestrial network | Noted | |  |
| Cont | [S1-231235](file:///E:\TSGS1_102_Berlin\Docs\S1-231235.zip) | Xiaomi | Updating the PR in the use case on store and forward – emergency report | Revised to S1-231574 | |  |
| Cont | [S1-231574](file:///E:\TSGS1_102_Berlin\Docs\S1-231574.zip) | Xiaomi | Updating the PR in the use case on store and forward – emergency report | Agreed | | Revision of S1-231235.  First requirement is removed. But with the understanding that this topic can be rediscussed in August. Second requirement: “may” -> “is expected to” |
| Consolidation & Conclusions | | | | | | |
| Cont | [S1-231071](file:///E:\TSGS1_102_Berlin\Docs\S1-231071.zip) | China Telecommunications | Discussion about Consolidation on Potential Requirements of satellite access phase3 | Merged into S1-231382 | |  |
| Cont | [S1-231072](file:///E:\TSGS1_102_Berlin\Docs\S1-231072.zip) | China Telecommunications | Consolidated PR of satellite access phase3 | Merged into S1-231383 | |  |
| Cont | [S1-231086](file:///E:\TSGS1_102_Berlin\Docs\S1-231086.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | Consolidation proposal for TR 22.865 | Revised to S1-231382 | |  |
| Cont | [S1-231382](file:///E:\TSGS1_102_Berlin\Docs\S1-231382.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | Consolidation proposal for TR 22.865 | Noted | | Revision of S1-231086 merge of S1-231071 and S1-231223. |
| Cont | [S1-231087](file:///E:\TSGS1_102_Berlin\Docs\S1-231087.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 | Revised to S1-231383 | |  |
| Cont | [S1-231383](file:///E:\TSGS1_102_Berlin\Docs\S1-231383.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 | Revised to S1-231568 | | Revision of S1-231087 merge of S1-231072 and S1-231224 |
| Cont | [S1-231568](file:///E:\TSGS1_102_Berlin\Docs\S1-231568.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 | Revised to S1-231702 | | *Revision of S1-231087 merge of S1-231072 and S1-231224*  Revision of S1-231383. |
| Cont | [S1-231702](file:///E:\TSGS1_102_Berlin\Docs\S1-231702.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 | Agreed | | *Revision of S1-231087 merge of S1-231072 and S1-231224*  *Revision of S1-231383.*  Revision of S1-231568.  Remove integrity “protection and confidentiality”  Change title of 6.5 into “Other aspects … and align other similar text. |
| Cont | [S1-231569](file:///E:\TSGS1_102_Berlin\Docs\S1-231569.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 – for discussion | Revised to S1-231704 | | *Revision of S1-231087 merge of S1-231072 and S1-231224*  Revision of S1-231383. |
| Cont | [S1-231704](file:///E:\TSGS1_102_Berlin\Docs\S1-231704.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 – for discussion | Revised to S1-231737 | | *Revision of S1-231087 merge of S1-231072 and S1-231224*  *Revision of S1-231383.*  Revision of S1-231569. |
| Cont | [S1-231737](file:///E:\TSGS1_102_Berlin\Docs\S1-231737.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 – for discussion | Agreed | | *Revision of S1-231087 merge of S1-231072 and S1-231224*  *Revision of S1-231383.*  *Revision of S1-231569.*  Revision of S1-231704. |
| Cont | [S1-231570](file:///E:\TSGS1_102_Berlin\Docs\S1-231568.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 – for next meeting | Revised to S1-231703 | | *Revision of S1-231087 merge of S1-231072 and S1-231224*  Revision of S1-231383. |
| Cont | [S1-231703](file:///E:\TSGS1_102_Berlin\Docs\S1-231703.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 – for next meeting | Noted | | *Revision of S1-231087 merge of S1-231072 and S1-231224*  *Revision of S1-231383.*  Revision of S1-231570.  Rapporteur to incorporate the new PRs. Then this is a collection of PRs to be discussed for consolidation next meeting. |
| Cont | [S1-231223](file:///E:\TSGS1_102_Berlin\Docs\S1-231223.zip) | CATT | Discussion on Consolidated requirements of FS\_5GSAT\_Ph3 | Merged into S1-231382 | |  |
| Cont | [S1-231224](file:///E:\TSGS1_102_Berlin\Docs\S1-231224.zip) | CATT | pCR on Consolidated Requirements | Merged into S1-231383 | |  |
| Cont | [S1-231088](file:///E:\TSGS1_102_Berlin\Docs\S1-231088.zip) | NOVAMINT, Nokia, China Telecom, Huawei | conclusions for TR 22.865 | Agreed | |  |
| Cont | S1-231070 | China Telecommunications | Discussion about Consolidation on Potential Requirements of satellite access phase3 | Withdrawn | |  |
| FS\_5GSAT\_Ph3 Output | | | | | | |
| TR | [S1-231302](file:///E:\TSGS1_102_Berlin\Docs\S1-231302.zip) | NOVAMINT | TR 22865 Cover page for approval | Agreed | |  |
| TR | S1-231339 | Rapporteur (NOVAMINT) | TR 22.865v1.1..0 Study on Satellite Access –  Phase 3 | Agreed | | First draft by Tuesday 30th 23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC  No presentation |
| FS\_UAV\_Ph3: Study on UAV Phase 3 [[SP-220680](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220680.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Pengtai Qin (China Mobile)  Latest version: [TR22.843v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.843/22843-100.zip)  Target completion date: SA#100 (06/2023)  Percentage completion: 65% | | | | | | |
| General | | | | | | |
| Cont | [S1-231258](file:///E:\TSGS1_102_Berlin\Docs\S1-231258.zip) | China Mobile | pCR on Abbreviations section | Agreed | |  |
| Cont | [S1-231259](file:///E:\TSGS1_102_Berlin\Docs\S1-231259.zip) | China Mobile | pCR FS-UAV-Ph3\_Overview section | Revised to S1-231607 | |  |
| Cont | [S1-231607](file:///E:\TSGS1_102_Berlin\Docs\S1-231607.zip) | China Mobile | pCR FS-UAV-Ph3\_Overview section | Revised to S1-231762 | | Revision of S1-231259. |
| Cont | [S1-231762](docs\S1-231762.zip) | China Mobile | pCR FS-UAV-Ph3\_Overview section | Agreed | | *Revision of S1-231259.*  Revision of S1-231607. |
| Cont | [S1-231276](file:///E:\TSGS1_102_Berlin\Docs\S1-231276.zip) | Huawei | Pseudo-CR on quality improvements to FS\_UAV\_ph3 TR 22.843 | Revised to S1-231608 | |  |
| Cont | [S1-231608](file:///E:\TSGS1_102_Berlin\Docs\S1-231608.zip) | Huawei | Pseudo-CR on quality improvements to FS\_UAV\_ph3 TR 22.843 | Agreed | | Revision of S1-231276. |
| New Use cases | | | | | | |
| Cont | [S1-231196](file:///E:\TSGS1_102_Berlin\Docs\S1-231196.zip) | Qualcomm | New use case on Multi-PLMN use case: alternative NWs | Revised to S1-231358 | |  |
| Cont | [S1-231358](file:///E:\TSGS1_102_Berlin\Docs\S1-231358.zip) | Qualcomm | New use case on Multi-PLMN use case: alternative NWs | Revised to S1-231609 | | Revision of S1-231196. |
| Cont | [S1-231609](file:///E:\TSGS1_102_Berlin\Docs\S1-231609.zip) | Qualcomm | New use case on Multi-PLMN use case: alternative NWs | Revised to S1-231638 | | *Revision of S1-231196.*  Revision of S1-231358. |
| Cont | [S1-231638](file:///E:\TSGS1_102_Berlin\Docs\S1-231638.zip) | Qualcomm | New use case on Multi-PLMN use case: alternative NWs | Agreed | | *Revision of S1-231196.*  *Revision of S1-231358.*  Revision of S1-231609.  Delete “UAV is capable of dual radio operation (e.g. NR plus LTE)” from preconditions. |
| Cont | [S1-231197](file:///E:\TSGS1_102_Berlin\Docs\S1-231197.zip) | Qualcomm | New use case on Multi-PLMN use case: concurrent NWs | Revised to S1-231359 | |  |
| Cont | [S1-231359](file:///E:\TSGS1_102_Berlin\Docs\S1-231359.zip) | Qualcomm | New use case on Multi-PLMN use case: concurrent NWs | Revised to S1-231610 | | Revision of S1-231197. |
| Cont | [S1-231610](file:///E:\TSGS1_102_Berlin\docs\S1-231610.zip) | Qualcomm | New use case on Multi-PLMN use case: concurrent NWs | Agreed | | *Revision of S1-231197.*  Revision of S1-231359. |
| Cont | [S1-231198](file:///E:\TSGS1_102_Berlin\Docs\S1-231198.zip) | Qualcomm | New use case on UAV aerial fly zones | Revised to S1-231611 | |  |
| Cont | [S1-231611](file:///E:\TSGS1_102_Berlin\Docs\S1-231611.zip) | Qualcomm | New use case on UAV aerial fly zones | Agreed | | Revision of S1-231198. |
| Cont | [S1-231257](file:///E:\TSGS1_102_Berlin\Docs\S1-231257.zip) | China Mobile | pCR on use case on network-assisted UAV DAA | Revised to S1-231612 | |  |
| Cont | [S1-231612](file:///E:\TSGS1_102_Berlin\Docs\S1-231612.zip) | China Mobile | pCR on use case on network-assisted UAV DAA | Revised to S1-231622 | | Revision of S1-231257. |
| Cont | [S1-231622](file:///E:\TSGS1_102_Berlin\Docs\S1-231622.zip) | China Mobile | pCR on use case on network-assisted UAV DAA | Agreed | | *Revision of S1-231257.*  Revision of S1-231612. |
| Update Use cases | | | | | | |
| Cont | [S1-231256](file:///E:\TSGS1_102_Berlin\Docs\S1-231256.zip) | China Mobile | pCR on use case for Geofencing for Visual Line-of-Sight UAV missions | Revised to S1-231613 | |  |
| Cont | [S1-231613](file:///E:\TSGS1_102_Berlin\Docs\S1-231613.zip) | China Mobile | pCR on use case for Geofencing for Visual Line-of-Sight UAV missions | Noted | | Revision of S1-231256. |
| Cont | [S1-231199](file:///E:\TSGS1_102_Berlin\Docs\S1-231199.zip) | Qualcomm | Update to use case 5.4 | Merged into S1-231612 | |  |
| Cont | [S1-231231](file:///E:\TSGS1_102_Berlin\Docs\S1-231231.zip) | Deutsche Telekom, Nokia, Futurewei, InterDigital | pCR on updating use case 5.2 Supporting UAV flight preparation | Revised to S1-231617 | |  |
| Cont | [S1-231617](file:///E:\TSGS1_102_Berlin\Docs\S1-231617.zip) | Deutsche Telekom, Nokia, Futurewei, InterDigital | pCR on updating use case 5.2 Supporting UAV flight preparation | Agreed | | Revision of S1-231231. |
| Cont | [S1-231243](file:///E:\TSGS1_102_Berlin\Docs\S1-231243.zip) | Orange | Potential new requirements for Geofencing for Visual Line-of-Sight UAV missions | Revised to S1-231614 | |  |
| Cont | [S1-231614](file:///E:\TSGS1_102_Berlin\Docs\S1-231614.zip) | Orange | Potential new requirements for Geofencing for Visual Line-of-Sight UAV missions | Agreed | | Revision of S1-231243. |
| Consolidation & Conclusions | | | | | | |
| Cont | [S1-231261](file:///E:\TSGS1_102_Berlin\Docs\S1-231261.zip) | China Mobile | pCR on consolidated requirements for UAV Phase 3 | Revised to S1-231381 | |  |
| Cont | [S1-231381](file:///E:\TSGS1_102_Berlin\Docs\S1-231381.zip) | China Mobile | pCR on consolidated requirements for UAV Phase 3 | Revised to S1-231615 | | Revision of S1-231261. |
| Cont | [S1-231615](file:///E:\TSGS1_102_Berlin\Docs\S1-231615.zip) | China Mobile | pCR on consolidated requirements for UAV Phase 3 | Revised to S1-231618 | | *Revision of S1-231261.*  Revision of S1-231381. |
| Cont | [S1-231618](file:///E:\TSGS1_102_Berlin\Docs\S1-231618.zip) | China Mobile | pCR on consolidated requirements for UAV Phase 3 | Revised to S1-231624 | | *Revision of S1-231261.*  *Revision of S1-231381.*  Revision of S1-231615. |
| Cont | [S1-231624](file:///E:\TSGS1_102_Berlin\docs\S1-231624.zip) | China Mobile | pCR on consolidated requirements for UAV Phase 3 | Revised to S1-231639 | | *Revision of S1-231261.*  *Revision of S1-231381.*  *Revision of S1-231615.*  Revision of S1-231618. |
| Cont | [S1-231639](file:///E:\TSGS1_102_Berlin\docs\S1-231639.zip) | China Mobile | pCR on consolidated requirements for UAV Phase 3 | Revised to S1-231773 | | *Revision of S1-231261.*  *Revision of S1-231381.*  *Revision of S1-231615.*  *Revision of S1-231618.*  Revision of S1-231624. |
| Cont | [S1-231773](file:///E:\TSGS1_102_Berlin\docs\S1-231773.zip) | China Mobile | pCR on consolidated requirements for UAV Phase 3 | Agreed | | *Revision of S1-231261.*  *Revision of S1-231381.*  *Revision of S1-231615.*  *Revision of S1-231618.*  *Revision of S1-231624.*  Revision of S1-231639. |
|  | [S1-231263](file:///E:\TSGS1_102_Berlin\Docs\S1-231263.zip) | China Mobile | WID\_UAV\_Ph3 | Moved to 4 | |  |
| FS\_UAV\_Ph3 Output | | | | | | |
| TR | [S1-231262](file:///E:\TSGS1_102_Berlin\Docs\S1-231262.zip) | Rapporteur (China Mobile) | TR 22.843 coversheet for SA approval | Revised to S1-231798 | |  |
| TR | [S1-231798](docs\S1-231798.zip) | Rapporteur (China Mobile) | TR 22.843 coversheet for SA approval | Revised to S1-231799 | | Revision of S1-231262.  Clean cover page. Remove |
| TR | [S1-231799](docs\S1-231799.zip) | Rapporteur (China Mobile) | TR 22.843 coversheet for SA approval | Agreed | | *Revision of S1-231262.*  *Clean cover page. Remove the second paragraph.*  Revision of S1-231798. |
| TR | S1-231347 | Rapporteur (China Mobile) | TR 22.843v1.1.0 Study on UAV Phase 3 | Agreed | | First draft by Tuesday 30th 23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC |
| FS\_DualSteer: Study on Upper layer traffic steering, switching and split over dual 3GPP access [[SP-220445](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220445.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Francesco Pica (Qualcomm)  Latest version: [TR22.841v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.841/22841-100.zip)  Target completion date: SA#100 (06/2023)  Percentage completion: 75% | | | | | | |
| General | | | | | | |
| Cont | [S1-231189](file:///E:\TSGS1_102_Berlin\Docs\S1-231189.zip) | Qualcomm | TR updates and clean-up | Revised to S1-231600 | |  |
| Cont | [S1-231600](file:///E:\TSGS1_102_Berlin\Docs\S1-231600.zip) | Qualcomm | TR updates and clean-up | Revised to S1-231620 | | Revision of S1-231189. |
| Cont | [S1-231620](file:///E:\TSGS1_102_Berlin\Docs\S1-231620.zip) | Qualcomm | TR updates and clean-up | Agreed | | *Revision of S1-231189.*  Revision of S1-231600. |
| Cont | [S1-231152](file:///E:\TSGS1_102_Berlin\Docs\S1-231152.zip) | vivo | Clarification on RAN impact of dual steering | Revised to S1-231601 | |  |
| Cont | [S1-231601](file:///E:\TSGS1_102_Berlin\Docs\S1-231601.zip) | vivo | Clarification on RAN impact of dual steering | Noted | | Revision of S1-231152. |
| Use cases | | | | | | |
| Cont | [S1-231017](file:///E:\TSGS1_102_Berlin\Docs\S1-231017.zip) | THALES | Use Case on supplementary downlink data via a second 3GPP network | Revised to S1-231602 | |  |
| Cont | [S1-231602](file:///E:\TSGS1_102_Berlin\Docs\S1-231602.zip) | THALES | Use Case on supplementary downlink data via a second 3GPP network | Revised to S1-231706 | | Revision of S1-231017. |
| Cont | [S1-231706](file:///E:\TSGS1_102_Berlin\docs\S1-231706.zip) | THALES | Use Case on supplementary downlink data via a second 3GPP network | Revised to S1-231800 | | *Revision of S1-231017.*  Revision of S1-231602. |
| Cont | [S1-231800](docs\S1-231800.zip) | THALES | Use Case on supplementary downlink data via a second 3GPP network | Noted | | *Revision of S1-231017.*  *Revision of S1-231602.*  Revision of S1-231706. |
| Cont | [S1-231175](file:///E:\TSGS1_102_Berlin\Docs\S1-231175.zip) | NEC | Use Case on traffic duplication for a set of devices | Revised to S1-231603 | |  |
| Cont | [S1-231603](file:///E:\TSGS1_102_Berlin\Docs\S1-231603.zip) | NEC | Use Case on traffic duplication for a set of devices | Revised to S1-231751 | | Revision of S1-231175. |
| Cont | [S1-231751](file:///E:\TSGS1_102_Berlin\docs\S1-231751.zip) | NEC | Use Case on traffic duplication for a set of devices | Revised to S1-231768 | | *Revision of S1-231175.*  Revision of S1-231603. |
| Cont | [S1-231768](file:///E:\TSGS1_102_Berlin\docs\S1-231768.zip) | NEC | Use Case on traffic duplication for a set of devices | Noted | | *Revision of S1-231175.*  *Revision of S1-231603.*  Revision of S1-231751. |
| Consolidation & Conclusions | | | | | | |
| Cont | [S1-231187](file:///E:\TSGS1_102_Berlin\Docs\S1-231187.zip) | Qualcomm | Consolidation discussion and proposal | Revised to S1-231356 | |  |
| Cont | [S1-231356](file:///E:\TSGS1_102_Berlin\Docs\S1-231356.zip) | Qualcomm | Consolidation discussion and proposal | Noted | | Revision of S1-231187. |
| Cont | [S1-231188](file:///E:\TSGS1_102_Berlin\Docs\S1-231188.zip) | Qualcomm | pCR on Consolidated potential requirements | Revised to S1-231604 | |  |
| Cont | [S1-231604](file:///E:\TSGS1_102_Berlin\Docs\S1-231604.zip) | Qualcomm | pCR on Consolidated potential requirements | Revised to S1-231621 | | Revision of S1-231188. |
| Cont | [S1-231621](file:///E:\TSGS1_102_Berlin\Docs\S1-231621.zip) | Qualcomm | pCR on Consolidated potential requirements | Revised to S1-231707 | | *Revision of S1-231188.*  Revision of S1-231604. |
| Cont | [S1-231707](file:///E:\TSGS1_102_Berlin\docs\S1-231707.zip) | Qualcomm | pCR on Consolidated potential requirements | Noted | | *Revision of S1-231188.*  *Revision of S1-231604.*  Revision of S1-231621. |
| Cont | [S1-231769](docs\S1-231769.zip) | Qualcomm | pCR on Consolidated potential requirements | Withdrawn | | *Revision of S1-231188.*  *Revision of S1-231604.*  *Revision of S1-231621.*  Revision of S1-231707. |
| Cont | [S1-231190](file:///E:\TSGS1_102_Berlin\Docs\S1-231190.zip) | Qualcomm | TR conclusions | Revised to S1-231606 | |  |
| Cont | [S1-231606](file:///E:\TSGS1_102_Berlin\Docs\S1-231606.zip) | Qualcomm | TR conclusions | Agreed | | Revision of S1-231190. |
| Cont | [S1-231051](file:///E:\TSGS1_102_Berlin\Docs\S1-231051.zip) | NEC | Use Case on traffic duplication for a set of devices | Withdrawn | |  |
| FS\_DualSteer Output | | | | | | |
| TR | [S1-231192](file:///E:\TSGS1_102_Berlin\Docs\S1-231192.zip) | Rapporteur (Qualcomm) | TR Cover page\_for approval | Revised to S1-231801 | |  |
| TR | [S1-231801](docs\S1-231801.zip) | Rapporteur (Qualcomm) | TR Cover page\_for approval | Noted | | Revision of S1-231192. |
| TR | S1-231340 | Rapporteur (Qualcomm) | TR 22.841v1.1.0 Study on Upper layer traffic steering, switching and split over dual 3GPP access | Agreed | | First draft by Tuesday 30th 23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC |
| FS\_EnergyServ: Study on Energy Efficiency as service criteria [[SP-220446](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220446.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Xiaonan Shi, (China Mobile)  Latest version: [TR22.882v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.882/22882-100.zip)  Target completion date: SA#99 (13/2023)  Percentage completion: 70% | | | | | | |
| General | | | | | | |
| Cont | [S1-231277](file:///E:\TSGS1_102_Berlin\Docs\S1-231277.zip) | Huawei | Pseudo-CR on quality improvements to FS\_EnergyServ TR 22.882 | Agreed | |  |
| Cont | [S1-231129](file:///E:\TSGS1_102_Berlin\Docs\S1-231129.zip) | China Mobile | pCR on clean-up of TR 22.882 | Revised to S1-231531 | |  |
| Cont | [S1-231531](file:///E:\TSGS1_102_Berlin\Docs\S1-231531.zip) | China Mobile | pCR on clean-up of TR 22.882 | Agreed | | Revision of S1-231129. |
| Update Use cases | | | | | | |
| Cont | [S1-231127](file:///E:\TSGS1_102_Berlin\Docs\S1-231127.zip) | China Mobile | pCR on resolving EN in 5.6 Use case on supporting service-level energy efficiency analysis for verticals | Revised to S1-231532 | |  |
| Cont | [S1-231532](file:///E:\TSGS1_102_Berlin\Docs\S1-231532.zip) | China Mobile | pCR on resolving EN in 5.6 Use case on supporting service-level energy efficiency analysis for verticals | Agreed | | Revision of S1-231127.  Remove |
| Cont | [S1-231069](file:///E:\TSGS1_102_Berlin\Docs\S1-231069.zip) | Rakuten Mobile, Inc | pCR on resolving EN in 5.9 Use case on Renewable Energy usage information exposure for TR 22.882 | Revised to S1-231530 | |  |
| Cont | [S1-231530](file:///E:\TSGS1_102_Berlin\Docs\S1-231530.zip) | Rakuten Mobile, Inc | pCR on resolving EN in 5.9 Use case on Renewable Energy usage information exposure for TR 22.882 | Revised to S1-231550 | | Revision of S1-231069. |
| Cont | [S1-231550](file:///E:\TSGS1_102_Berlin\Docs\S1-231550.zip) | Rakuten Mobile, Inc | pCR on resolving EN in 5.9 Use case on Renewable Energy usage information exposure for TR 22.882 | Agreed | | *Revision of S1-231069.*  Revision of S1-231530.  [PR.5.9.6-1] Subject to operator’s policy, the 5G system shall enable the operation of a dedicated network above a minimum ratio of renewable energy as requested by an authorized 3rd party. |
| Cont | [S1-231155](file:///E:\TSGS1_102_Berlin\Docs\S1-231155.zip) | ZTE | pCR to resolve the EN in clause 5.7 | Revised to S1-231533 | |  |
| Cont | [S1-231533](file:///E:\TSGS1_102_Berlin\Docs\S1-231533.zip) | ZTE | pCR to resolve the EN in clause 5.7 | Agreed | | Revision of S1-231155. |
| Cont | [S1-231179](file:///E:\TSGS1_102_Berlin\Docs\S1-231179.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on aligning energy-related terminology | Agreed | |  |
| Cont | [S1-231180](file:///E:\TSGS1_102_Berlin\Docs\S1-231180.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on adding reference to carbon-emission calculations | Agreed | |  |
| Cont | [S1-231216](file:///E:\TSGS1_102_Berlin\Docs\S1-231216.zip) | Lenovo | pCR on resolving EN in 5.8 | Revised to S1-231534 | |  |
| Cont | [S1-231534](file:///E:\TSGS1_102_Berlin\Docs\S1-231534.zip) | Lenovo | pCR on resolving EN in 5.8 | Revised to S1-231551 | | Revision of S1-231216. |
| Cont | [S1-231551](file:///E:\TSGS1_102_Berlin\Docs\S1-231551.zip) | Lenovo | pCR on resolving EN in 5.8 | Revised to S1-231770 | | *Revision of S1-231216.*  Revision of S1-231534. |
| Cont | [S1-231770](file:///E:\TSGS1_102_Berlin\docs\S1-231770.zip) | Lenovo | pCR on resolving EN in 5.8 | Agreed | | *Revision of S1-231216.*  *Revision of S1-231534.*  Revision of S1-231551.  “the 5G system” |
| New Use cases | | | | | | |
| Cont | [S1-231067](file:///E:\TSGS1_102_Berlin\Docs\S1-231067.zip) | AsiaInfo | Pseudo-CR on Adding the new use case on Energy-Efficient Utilization of 5G Idle Computing Power | Revised to S1-231538 | |  |
| Cont | [S1-231538](file:///E:\TSGS1_102_Berlin\Docs\S1-231538.zip) | AsiaInfo | Pseudo-CR on Adding the new use case on Energy-Efficient Utilization of 5G Idle Computing Power | Merged into S1-231551 | | Revision of S1-231067. |
| Cont | [S1-231110](file:///E:\TSGS1_102_Berlin\Docs\S1-231110.zip) | SK Telecom, LG Uplus, Rakuten, ETRI, KT, Nokia, Nokia Shanghai Bell, NTT DOCOMO | Use case on energy as service criteria for 5G environment adaptation | Revised to S1-231539 | |  |
| Cont | [S1-231539](file:///E:\TSGS1_102_Berlin\Docs\S1-231539.zip) | SK Telecom, LG Uplus, Rakuten, ETRI, KT, Nokia, Nokia Shanghai Bell, NTT DOCOMO | Use case on energy as service criteria for 5G environment adaptation | Revised to S1-231552 | | Revision of S1-231110. |
| Cont | [S1-231552](file:///E:\TSGS1_102_Berlin\Docs\S1-231552.zip) | SK Telecom, LG Uplus, Rakuten, ETRI, KT, Nokia, Nokia Shanghai Bell, NTT DOCOMO | Use case on energy as service criteria for 5G environment adaptation | Agreed | | *Revision of S1-231110.*  Revision of S1-231539.  [PR 5.x.6.1] Subject to operator policy and regulatory requirements, the 5G system shall be able to provide a mechanism for one or more network functions to operate based on energy consumption to meet various end-user’s service requirements.  [PR 5.x.6.2] Subject to operator policy and regulatory requirements, the 5G system shall be able to provide means to coordinate the operation of individual network functions to target optimization of energy consumption within the 5G network. |
| Cont | [S1-231181](file:///E:\TSGS1_102_Berlin\Docs\S1-231181.zip) | Nokia, Nokia Shanghai Bell | New UC on pooling coverage layers for EE | Revised to S1-231540 | |  |
| Cont | [S1-231540](file:///E:\TSGS1_102_Berlin\Docs\S1-231540.zip) | Nokia, Nokia Shanghai Bell | New UC on pooling coverage layers for EE | Agreed | | Revision of S1-231181. |
| Cont | [S1-231210](file:///E:\TSGS1_102_Berlin\Docs\S1-231210.zip) | MediaTek | Use Case on Reducing GHG Footprint of Application Services | Revised to S1-231541 | |  |
| Cont | [S1-231541](file:///E:\TSGS1_102_Berlin\Docs\S1-231541.zip) | MediaTek | Use Case on Reducing GHG Footprint of Application Services | Revised to S1-231553 | | Revision of S1-231210. |
| Cont | [S1-231553](file:///E:\TSGS1_102_Berlin\Docs\S1-231553.zip) | MediaTek | Use Case on Reducing GHG Footprint of Application Services | Agreed | | *Revision of S1-231210.*  Revision of S1-231541. |
| Cont | [S1-231211](file:///E:\TSGS1_102_Berlin\Docs\S1-231211.zip) | MediaTek | Use case on communication service with carbon-aware service requirements | Revised to S1-231542 | |  |
| Cont | [S1-231542](file:///E:\TSGS1_102_Berlin\Docs\S1-231542.zip) | MediaTek | Use case on communication service with carbon-aware service requirements | Revised to S1-231554 | | Revision of S1-231211. |
| Cont | [S1-231554](file:///E:\TSGS1_102_Berlin\Docs\S1-231554.zip) | MediaTek | Use case on communication service with carbon-aware service requirements | Revised to S1-231771 | | *Revision of S1-231211.*  Revision of S1-231542. |
| Cont | [S1-231771](file:///E:\TSGS1_102_Berlin\docs\S1-231771.zip) | MediaTek | Use case on communication service with carbon-aware service requirements | Agreed | | *Revision of S1-231211.*  *Revision of S1-231542.*  Revision of S1-231554.  Clean the tdoc (no changes on changes). Fix editorial. And the requirement reads as  “ [PR 5.x.6-1] Subject to user consent and operator policy, the 5G system shall be able to provide means to adapt a communication service to fulfil the subscriber’s preference concerning the ratio of renewable energy used for providing the service.’ |
| Cont | [S1-231212](file:///E:\TSGS1_102_Berlin\Docs\S1-231212.zip) | MediaTek | Use case on communication service with best-effort renewable energy usage | Revised to S1-231543 | |  |
| Cont | [S1-231543](file:///E:\TSGS1_102_Berlin\Docs\S1-231543.zip) | MediaTek | Use case on communication service with best-effort renewable energy usage | Agreed | | Revision of S1-231212. |
| Consolidation & Conclusions | | | | | | |
| Cont | [S1-231128](file:///E:\TSGS1_102_Berlin\Docs\S1-231128.zip) | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | Revised to S1-231440 | |  |
| Cont | [S1-231440](file:///E:\TSGS1_102_Berlin\Docs\SA1102_BerlindocsS1-231440.zip#102_BerlindocsS1-231440.zip) | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | Revised to S1-231544 | | Revision of S1-231128. |
| Cont | [S1-231544](file:///E:\TSGS1_102_Berlin\Docs\S1-231544.zip) | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | Revised to S1-231555 | | *Revision of S1-231128.*  Revision of S1-231440.  elements and network functions. |
| Cont | [S1-231555](file:///E:\TSGS1_102_Berlin\Docs\S1-231555.zip) | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | Revised to S1-231772 | | *Revision of S1-231128.*  *Revision of S1-231440.*  *elements and network functions.*  Revision of S1-231544. |
| Cont | [S1-231772](file:///E:\TSGS1_102_Berlin\docs\S1-231772.zip) | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | Agreed | | *Revision of S1-231128.*  *Revision of S1-231440.*  *elements and network functions.*  *Revision of S1-231544.*  Revision of S1-231555.  Remove the 2 editors. No colors. And all seen as new text. |
| FS\_EnergyServ Output | | | | | | |
| TR | [S1-231130](file:///E:\TSGS1_102_Berlin\Docs\S1-231130.zip) | Rapporteur (China Mobile) | TR 22.882 coversheet for SA approval | Revised to S1-231745 | |  |
| TR | [S1-231745](file:///E:\TSGS1_102_Berlin\docs\S1-231745.zip) | Rapporteur (China Mobile) | TR 22.882 coversheet for SA approval | Revised to S1-231774 | | Revision of S1-231130. |
| TR | [S1-231774](file:///E:\TSGS1_102_Berlin\docs\S1-231774.zip) | Rapporteur (China Mobile) | TR 22.882 coversheet for SA approval | Agreed | | *Revision of S1-231130.*  Revision of S1-231745. |
| TR | S1-231341 | Rapporteur (China Mobile) | TR 22.882v1.1.0 Study on Energy Efficiency as service criteria | Agreed | | First draft by Tuesday 30th 23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC  No presentation |
| FS\_SOBOT: Study on Network of Service Robots with Ambient Intelligence [[SP-220447](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220447.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Ki-Dong Lee (LGE)  Latest version: [TR22.916v0.3.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.916/22916-030.zip)  Target completion date: SA#99 (03/2023)  Percentage completion: 70% | | | | | | |
| General | | | | | | |
| Cont | [S1-231278](file:///E:\TSGS1_102_Berlin\Docs\S1-231278.zip) | Huawei | Pseudo-CR on quality improvements to FS\_SOBOT TR 22.916 | Revised to S1-231535 | |  |
| Cont | [S1-231535](file:///E:\TSGS1_102_Berlin\Docs\S1-231535.zip) | Huawei | Pseudo-CR on quality improvements to FS\_SOBOT TR 22.916 | Agreed | | Revision of S1-231278. |
| Update Use cases | | | | | | |
| Cont | [S1-231319](file:///E:\TSGS1_102_Berlin\Docs\S1-231319.zip) | LG Electronics | Update on 5.1 Online cooperative high-resolution 3D map building | Revised to S1-231536 | |  |
| Cont | [S1-231536](file:///E:\TSGS1_102_Berlin\Docs\S1-231536.zip) | LG Electronics | Update on 5.1 Online cooperative high-resolution 3D map building | Revised to S1-231548 | | Revision of S1-231319. |
| Cont | [S1-231548](file:///E:\TSGS1_102_Berlin\Docs\S1-231548.zip) | LG Electronics | Update on 5.1 Online cooperative high-resolution 3D map building | Agreed | | *Revision of S1-231319.*  Revision of S1-231536.  Removal text and change “should” to “is expected to” in CPG4 |
| Cont | [S1-231074](file:///E:\TSGS1_102_Berlin\Docs\S1-231074.zip) | vivo | resolve of EN for use case 5.2 | Revised to S1-231537 | |  |
| Cont | [S1-231537](file:///E:\TSGS1_102_Berlin\Docs\S1-231537.zip) | vivo | resolve of EN for use case 5.2 | Revised to S1-231549 | | Revision of S1-231074. |
| Cont | [S1-231549](file:///E:\TSGS1_102_Berlin\Docs\S1-231549.zip) | vivo | resolve of EN for use case 5.2 | Agreed | | *Revision of S1-231074.*  Revision of S1-231537.  Add “.3” in the index of CPG, add “to” after “belongs” in CPG002, change NOTE This requirement to CPG-5.2.3-002. |
| Cont | [S1-231321](file:///E:\TSGS1_102_Berlin\Docs\S1-231321.zip) | LG Electronics | Update on 5.3 Smart Communication Support for Data Collection and Fusion Using Multimodal Sensors in Multi-Robot / Multi-Agent Scenarios | Revised to S1-231802 | |  |
| Cont | [S1-231802](docs\S1-231802.zip) | LG Electronics | Update on 5.3 Smart Communication Support for Data Collection and Fusion Using Multimodal Sensors in Multi-Robot / Multi-Agent Scenarios | Agreed | | Revision of S1-231321.  Delete Editor’s Note: KPIs for deep underwater model is FFS.  No presentation |
| New Use cases | | | | | | |
| Cont | [S1-231320](file:///E:\TSGS1_102_Berlin\Docs\S1-231320.zip) | LG Electronics | MEC for Efficient Management of Geo-surface Sensing Data Using a Group of Aerial Robots | Revised to S1-231397 | |  |
| Cont | [S1-231397](file:///E:\TSGS1_102_Berlin\Docs\S1-231397.zip) | LG Electronics | MEC for Efficient Management of Geo-surface Sensing Data Using a Group of Aerial Robots | Revised to S1-231546 | | Revision of S1-231320. |
| Cont | [S1-231546](file:///E:\TSGS1_102_Berlin\Docs\S1-231546.zip) | LG Electronics | MEC for Efficient Management of Geo-surface Sensing Data Using a Group of Aerial Robots | Revised to S1-231720 | | *Revision of S1-231320.*  Revision of S1-231397. |
| Cont | [S1-231720](file:///E:\TSGS1_102_Berlin\Docs\S1-231720.zip) | LG Electronics | MEC for Efficient Management of Geo-surface Sensing Data Using a Group of Aerial Robots | Agreed | | *Revision of S1-231320.*  *Revision of S1-231397.*  Revision of S1-231546. |
| Cont | [S1-231221](file:///E:\TSGS1_102_Berlin\Docs\S1-231221.zip) | China Telecom | Smart community with service robots | Revised to S1-231547 | |  |
| Cont | [S1-231547](file:///E:\TSGS1_102_Berlin\Docs\S1-231547.zip) | China Telecom | Smart community with service robots | Agreed | | Revision of S1-231221. |
| FS\_SOBOT Output | | | | | | |
| TR | S1-231342 | Rapporteur (LGE) | TR 22.916v0.4.0 Study on Network of Service Robots with Ambient Intelligence | Agreed | | First draft by Tuesday 30th  23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC |
| FS\_ISN: Study on Interconnect of SNPN [[SP-230236](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_99_Rotterdam_2023-03/Docs/SP-230236.zip)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Thierry Bérisot (Novamint)  Latest version: TR22.848v0.0.0  Target completion date: SA#102 (12/2023)  Percentage completion: 0% | | | | | | |
| General | | | | | | |
| Cont | [S1-231159](file:///E:\TSGS1_102_Berlin\Docs\S1-231159.zip) | NOVAMINT | Work Plan for Interconnect of SNPN | Noted | |  |
| TR | [S1-231156](file:///E:\TSGS1_102_Berlin\Docs\S1-231156.zip) | NOVAMINT | Skeleton for TR 22.848 Interconnect of SNPN | Pre-agreed | | No presentation |
| Cont | [S1-231157](file:///E:\TSGS1_102_Berlin\Docs\S1-231157.zip) | NOVAMINT | Scope for TR 22.848 | Pre-agreed | | No presentation |
| Cont | [S1-231158](file:///E:\TSGS1_102_Berlin\Docs\S1-231158.zip) | NOVAMINT | Definitions for TR 22.848 | Revised to S1-231500 | |  |
| Cont | [S1-231500](file:///E:\TSGS1_102_Berlin\Docs\S1-191500.zip) | NOVAMINT | Definitions for TR 22.848 | Pre-agreed | | Revision of S1-231158.  No presentation |
| Use cases | | | | | | |
| Cont | [S1-231080](file:///E:\TSGS1_102_Berlin\Docs\S1-231080.zip) | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | Revised to S1-231501 | |  |
| Cont | [S1-231501](file:///E:\TSGS1_102_Berlin\Docs\S1-191501.zip) | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | Revised to S1-231520 | | Revision of S1-231080. |
| Cont | [S1-231520](file:///E:\TSGS1_102_Berlin\Docs\S1-231520.zip) | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | Revised to S1-231626 | | *Revision of S1-231080.*  Revision of S1-231501. |
| Cont | [S1-231626](file:///E:\TSGS1_102_Berlin\Docs\S1-231626.zip) | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | Revised to S1-231775 | | *Revision of S1-231080.*  *Revision of S1-231501.*  Revision of S1-231520. |
| Cont | [S1-231775](file:///E:\TSGS1_102_Berlin\docs\S1-231775.zip) | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | Agreed | | *Revision of S1-231080.*  *Revision of S1-231501.*  *Revision of S1-231520.*  Revision of S1-231626.  Req. 4 and 6 are for FFS. And “may not” to “ might not” |
| Cont | [S1-231105](file:///E:\TSGS1_102_Berlin\Docs\S1-231105.zip) | B-Com | Pseudo-CR on interconnection of on-board naval non-public networks | Revised to S1-231502 | |  |
| Cont | [S1-231502](file:///E:\TSGS1_102_Berlin\Docs\S1-231502.zip) | B-Com | Pseudo-CR on interconnection of on-board naval non-public networks | Revised to S1-231519 | | Revision of S1-231105. |
| Cont | [S1-231519](file:///E:\TSGS1_102_Berlin\Docs\S1-231519.zip) | B-Com | Pseudo-CR on interconnection of on-board naval non-public networks | Revised to S1-231628 | | *Revision of S1-231105.*  Revision of S1-231502. |
| Cont | [S1-231628](file:///E:\TSGS1_102_Berlin\Docs\S1-231628.zip) | B-Com | Pseudo-CR on interconnection of on-board naval non-public networks | Agreed | | *Revision of S1-231105.*  *Revision of S1-231502.*  Revision of S1-231519. |
| Cont | [S1-231106](file:///E:\TSGS1_102_Berlin\Docs\S1-231106.zip) | B-Com | Pseudo-CR on mobility between naval non-public networks | Revised to S1-231516 | |  |
| Cont | [S1-231516](file:///E:\TSGS1_102_Berlin\Docs\S1-191516.zip) | B-Com | Pseudo-CR on mobility between naval non-public networks | Revised to S1-231518 | | Revision of S1-231106. |
| Cont | [S1-231518](file:///E:\TSGS1_102_Berlin\Docs\S1-231518.zip) | B-Com | Pseudo-CR on mobility between naval non-public networks | Revised to S1-231636 | | *Revision of S1-231106.*  Revision of S1-231516. |
| Cont | [S1-231636](file:///E:\TSGS1_102_Berlin\Docs\S1-231636.zip) | B-Com | Pseudo-CR on mobility between naval non-public networks | Agreed | | *Revision of S1-231106.*  *Revision of S1-231516.*  Revision of S1-231518. |
| Cont | [S1-231107](file:///E:\TSGS1_102_Berlin\Docs\S1-231107.zip) | B-Com | Pseudo-CR on remote driving of trains between maintenance centers and railways stations | Noted | |  |
| Cont | [S1-231108](file:///E:\TSGS1_102_Berlin\Docs\S1-231108.zip) | B-Com | Pseudo-CR on European Train Control System (ETCS) and Ground to Train Radio (GTR) service continuity at border crossing | Withdrawn | |  |
| Cont | [S1-231111](file:///E:\TSGS1_102_Berlin\Docs\S1-231111.zip) | NEC | pCR on definition of identity provider | Noted | | The definition will be considered and provided by 1501 (intel) |
| Cont | [S1-231112](file:///E:\TSGS1_102_Berlin\Docs\S1-231112.zip) | NEC | Interconnectivity between SNPNs | Revised to S1-231517 | |  |
| Cont | [S1-231517](file:///E:\TSGS1_102_Berlin\Docs\S1-231517.zip) | NEC | Interconnectivity between SNPNs | Revised to S1-231637 | | Revision of S1-231112. |
| Cont | [S1-231637](file:///E:\TSGS1_102_Berlin\Docs\S1-231637.zip) | NEC | Interconnectivity between SNPNs | Agreed | | *Revision of S1-231112.*  Revision of S1-231517.  Delete second req. Clarify the use of interconnectivy. |
| FS\_ISN Output | | | | | | |
| TR | S1-231343 | Rapporteur (NOVAMINT) | TR 22.848v0.1.0 Study on Interconnect of SNPN | Agreed | | First draft by Tuesday 30th  23:00 UTC  Comments till Thursday 1st 23:00 UTC  Final version by Friday 2nd 23:00 UTC |
| Other Rel-19 contributions (e.g. CRs to clean studies completed) | | | | | | |
| CR | [S1-231131](file:///E:\TSGS1_102_Berlin\Docs\S1-231131.zip) | China Mobile | Supporting UE Mobility for XR service | Revised to S1-231476 | | *Moved from 4* |
| CR | [S1-231476](file:///E:\TSGS1_102_Berlin\Docs\S1-231476.zip) | China Mobile | Supporting UE Mobility for XR service |  | | *Moved from 4*  Revision of S1-231131. |
| CR | [S1-231264](file:///E:\TSGS1_102_Berlin\Docs\S1-231264.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.153v19.0.0 MPS for Messaging when access is WLAN | Revised to S1-231627 | | *WI* MPS4msg *Rel-19 CR*0061*R- Cat B* |
| CR | [S1-231627](file:///E:\TSGS1_102_Berlin\docs\S1-231627.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.153v19.0.0 MPS for Messaging when access is WLAN | Agreed | | *WI MPS4msg Rel-19 CR0061R- Cat B*  Revision of S1-231264. |
| CR | [S1-231309](file:///E:\TSGS1_102_Berlin\Docs\S1-231309.zip) | UIC | Notification of updated list of participants of Ad hoc Group Emergency Alert | Moved to 6.1 | |  |
|  | [S1-231305](file:///E:\TSGS1_102_Berlin\Docs\S1-231305.zip) | Union International de Chemins de Fer | Notification of updated list of participants of Ad hoc Group Emergency Alert | Withdrawn | |  |
| Other technical contributions | | | | | | |
| Other non-technical contributions | | | | | | |
| Work Item/Study Item progress | | | | | | |
| Session information outputs | | | | | | |
| REP | [S1-231641](file:///E:\TSGS1_102_Berlin\Docs\S1-231641.zip) | Rapporteur / Session Chair | Sensing drafting report | Agreed | |  |
| REP | [S1-231642](file:///E:\TSGS1_102_Berlin\Docs\S1-231642.zip) | Rapporteur / Session Chair | Ambient IoT drafting report | Agreed | |  |
| REP | [S1-231643](file:///E:\TSGS1_102_Berlin\Docs\S1-231643.zip) | Rapporteur / Session Chair | Metaverse drafting report | Agreed | |  |
| REP | [S1-231644](file:///E:\TSGS1_102_Berlin\Docs\S1-231644.zip) | Rapporteur / Session Chair | FRMCS\_Ph5 drafting report | Agreed | |  |
| REP | [S1-231645](file:///E:\TSGS1_102_Berlin\Docs\S1-231645.zip) | Rapporteur / Session Chair | NetShare + AIML\_Ph2 drafting report | Agreed | |  |
| REP | [S1-231646](file:///E:\TSGS1_102_Berlin\Docs\S1-231646.zip) | Rapporteur / Session Chair | DualSteer + UAV drafting report | Agreed | |  |
| REP | [S1-231647](file:///E:\TSGS1_102_Berlin\Docs\S1-231647.zip) | Rapporteur / Session Chair | Sat5G drafting report | Agreed | |  |
| REP | [S1-231648](file:///E:\TSGS1_102_Berlin\Docs\S1-231648.zip) | Rapporteur / Session Chair | EnergyServ + SOBOT drafting report | Agreed | |  |
| REP | [S1-231649](file:///E:\TSGS1_102_Berlin\Docs\S1-231649.zip) | Rapporteur / Session Chair | ISN drafting report | Agreed | |  |
| Work Item/Study Item status update | | | | | | |
| REP | S1-231650 | Deutsche Telekom | FS\_Sensing – Status report |  | 90% | |
| REP | S1-231651 | Deutsche Telekom | Sensing – Status report |  | 0% | |
| REP | S1-231652 | OPPO | FS\_AmbientIoT – Status report |  | 90% | |
| REP | S1-231653 | OPPO | AmbientIoT – Status report | Withdrawn |  | |
| REP | S1-231654 | Samsung | FS\_Metaverse – Status report |  | 90% | |
| REP | S1-231655 | Samsung | Metaverse – Status report |  | 0% | |
| REP | S1-231656 | China Unicom | FS\_NetShare – Status report |  | 95% | |
| REP | S1-231657 | China Unicom | NetShare – Status report |  | 30% | |
| REP | S1-231658 | UIC | FS\_FRMCS\_Ph5 – Status report |  | 80% | |
| REP | S1-231659 | UIC | FRMCS\_Ph5 – Status report |  | 25% | |
| REP | S1-231660 | OPPO | FS\_AIML\_Ph2 – Status report |  | 95% | |
| REP | S1-231661 | OPPO | AIML\_Ph2 – Status report |  | 0% | |
| REP | S1-231662 | Novamint | FS\_ 5GSAT\_Ph3 – Status report |  | 90% | |
| REP | S1-231663 | Novamint | 5GSAT\_Ph3 – Status report |  | 0% | |
| REP | S1-231664 | China Mobile | FS\_UAV\_Ph3– Status report |  | 95% | |
| REP | S1-231665 | China Mobile | UAV\_Ph3– Status report |  | 0% | |
| REP | S1-231666 | Qualcomm | FS\_DualSteer – Status report |  | 90% | |
| REP | S1-231667 | Qualcomm | DualSteer – Status report | Withdrawn |  | |
| REP | S1-231668 | China Mobile | FS\_EnergieServ – Status report |  | 90% | |
| REP | S1-231669 | China Mobile | EnergieServ – Status report |  | 0% | |
| REP | S1-231743 | LGE | FS\_SOBOT – Status report |  | 80% | |
| REP | S1-231670 | Novamint | FS\_ISN – Status report |  | 30% | |
| REP | S1-231671 | FirstNet | Mini-WID UE-to-UE Multi Hop Relay – Status report |  | 100% | |
| REP | S1-231672 | China Telecom | Mini-WID on Preventing Excessive Data Exposure within an NPN – Status report |  | 100% | |
| REP | S1-231673 | Qualcomm | Mini-WID on Human readable service name – Status report | Withdrawn |  | |
| REP | S1-231674 | China Telecom | Mini-WID on Supporting of Edge Computing for Cloud Phone – Status report | Withdrawn |  | |
| REP | S1-231675 | Peraton Labs | Mini-WID on MPS for Dual Connectivity and Multiple Access Technologies – Status report | Withdrawn |  | |
| REP | S1-231803 | China Mobile | Mini-WID XRMobility – Status report |  | 50% | |
| Next meetings (calendar) | | | | | | |
| **2023 meetings:**  SA1#103 21-25 Aug 2023 Gothenburg (Sweden)  SA1#104 13-17 Nov 2023 Chicago (US)  **2024 meetings:**  SA1#105 26Feb -01 Mar 2024 T.B.D. (Europe)  SA1#106 27-31 May 2024 T.B.D. (Korea)  SA1#107 19-23 Aug 2024 T.B.D.  SA1#108 18-22 Nov 2024 T.B.D. (US) | | | | | | |
| Any other business | | | | | | |
| Close | | | | | | |
| Close latest by 16:00 CET on Friday 26 May 2023 | | | | | | |