**3GPP TSG-SA WG1 Meeting #104 S1-233002**

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

Title: 1st Draft Agenda for SA1#104

Ag. Item: 1.1

Source: SA1 Chairperson

Contact: Jose Almodovar

Submission Guidelines

* **Submission deadlines:**
  1. Tdoc **number** and **CR number** requests:     **Friday,** 3 Nov 2023, 23:00 UTC
  2. Document **submission**:                                **Friday,** 3 Nov 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://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/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) (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**Conclusion**: Agreed, Approved, Revised to S1-23xxxx, Noted, Withdrawn, Moved to section xxx, Rejected, Postponed, Email Approval, Not Handled, Unallocated, Drafting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| CR | S1-19xxxx | Source | Title | Withdrawn |  |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 Adams: Plenary/Drafting

ROOM Watertower: Breakout

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|  |  | **Monday** |  | **Tuesday** | **Wednesday** |  | **Thursday** | **Friday** |
| **Q0** | **08:00**  **09:00** |  | **08:00**  **09:00** | 4. New WIDs  5. Quality Improvement  7.12 Other Rel-19 contributions  9. Other non-technical contributions | Drafting “ Clean up specs” | **08:00**  **09:00** |  |  |
| **Q1** | **09:00**  **10:30** | (start at 09:00)  **Plenary:**  1. Opening  2. Reports  3. LSs | **09:00**  **10:30** | **Drafting 1 (Adams):**  Ambient IoT  =================  **Drafting 2 (Watertower):**  EnergyServ + UAV | **Drafting 1 (Adams):**  Ambient IoT  =================  **Drafting 2 (Watertower):**  EnergyServ + UAV | **09:00**  **10:30** | 2. Reports  3. LSs  Sensing | DualSteer  AmbientIoT  ISN  **Revisions** |
|  | **Coffee** |  | **Coffee** |  |  | **Coffee** |  |  |
| **Q2** | **11:00**  **12:30** | **Plenary:**  3. LSs  4. New WIDs | **11:00**  **12:30** | **Drafting 1 (Adams):**  Metaverse  =================  **Drafting 2 (Watertower):**  ISN + Sat5G | **Drafting 1 (Adams):**  AmbientIoT  =================  **Drafting 2 (Watertower):**  ISN + Sat5G | **11:00**  **12:30** | 4. New WIDs  5. Quality Improvement | **Revisions** |
|  | **Lunch** |  | **Lunch** |  | **Lunch New incomers**  **(Chair & Secretary)** | **Lunch** |  |  |
| **Q3** | **14:00**  **15:30** | **Plenary:**  4. New WIDs | **14:00**  **15:30** | **Drafting 1 (Adams):**  Metaverse  =================  **Drafting 2 (Watertower):**  DualSteer + AIML\_Ph2 | **Drafting 1 (Adams):**  Metaverse  =================  **Drafting 2 (Watertower):**  DualSteer + AIML\_Ph2 | **14:00**  **15:30** | 7.12 Other Rel-19 contributions  9. Other non-technical contributions  Ambient IoT  Metaverse  DualSteer,AIML\_Ph2 | **Revisions** |
|  | **Coffee** | **Elections: 1st Ballot** | **Coffee** |  | **Elections: 2nd Ballot** | **Coffee** |  |  |
| **Q4** | **16:00**  **18:00** | **Plenary:**  4. New WIDs  5. Quality Improvement | **16:00**  **18:00** | **Drafting 1 (Adams):**  Sensing =================  **Drafting 2 (Watertower):**  SOBOT + FRMCS | **Drafting 1 (Adams):**  Sensing =================  **Drafting 2 (Watertower):**  SOBOT + FRMCS | **16:00**  **18:00** | ISN,Sat5G |  |
|  |  |  |  |  |  |  |  |  |
| **Q5** | **18:10**  **19:00** | **Plenary:**  6.1. Rel-18 correction and clarification CRs  7.12 Other Rel-19 contributions  9. Other non-technical contributions | **18:10**  **19:00** | **MMS**  (19:00) | **Drafting 1 (Adams):**  Sensing  **Drafting 2 (Watertower):**  - | **18:10**  **19:00** | EnergyServ,UAV  SOBOT,FRMCS  Sensing |  |

**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* | *EnergyServ + UAV – chaired by Xu Xia* | ISN + 5GSAT\_Ph3 - c*haired by Xu Xia* |
| Ambient IoT *– chaired by Yusuke Nakano* | SOBOT + FRMCS *– chaired by Mark Younge* |  |
| Metaverse *– chaired by Yusuke Nakano* | DualSteer+AIML\_Ph2 *– chaired by Jose Almodovar* |  |

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| Opening of the meeting | | | | | | | |
| Opening of the meeting at 09:00 CET on Monday 13 November 2023 | | | | | | | |
| Agenda and scheduling | | | | | | | |
| AGE | S1-233000 | SA1 Chairman | 1st Draft agenda for SA1#104 | | Revised to S1-233001 | |  |
| AGE | [S1-233001](file:///E:\TSGS1_104_Chicago\Docs\S1-233001.zip) | SA1 Chairman | 2nd Draft agenda for SA1#104 | | Revised to S1-233002 | | Revision of S1-233000. |
| AGE | [S1-233002](file:///E:\TSGS1_104_Chicago\Docs\S1-233002.zip) | SA1 Chairman | 2nd Draft agenda for SA1#104 | | Agreed | | *Revision of S1-233000.*  Revision of S1-233001. |
| 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 | S1-233004 | ETSI | Draft minutes of SA1#103 | | Revised to S1-233005 | |  |
| REP | [S1-233005](file:///E:\TSGS1_104_Chicago\Docs\S1-233005.zip) | ETSI | Minutes of SA1#103 | | Approved | | Revision of S1-233004. |
| 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 Vice-chairperson elections | | | | | | | |
| During the 3GPP SA1 #104 meeting there will be elections for 3GPP SA1 vice chair.  Known candidates are currently: Yusuke Nakano (KDDI), Qun Wei (China Unicom), Vasil Aleksiev (Deutsche Telekom). | | | | | | | |
| Reports and action items | | | | | | | |
| Rep | [S1-233006](file:///E:\TSGS1_104_Chicago\Docs\S1-233006.zip) | SA1 vice chair | SA1-related topics at SA#101 | | Noted | |  |
| Cont | [S1-233010](file:///E:\TSGS1_104_Chicago\Docs\S1-233010.zip) | SA1 chair | Process for SA1 Rel-20 content planning | | Endorsed | |  |
| Cont | [S1-233009](file:///E:\TSGS1_104_Chicago\Docs\S1-233009.zip) | SA1 chair, MCC | clean-up Stage 1 for Rel-18 | | Revised to S1-233285 | |  |
| Cont | [S1-233285](file:///E:\TSGS1_104_Chicago\Docs\S1-233285.zip) | SA1 chair, MCC | clean-up Stage 1 for Rel-18 | | Revised to S1-233292 | | Revision of S1-233009. |
| Cont | [S1-233292](file:///E:\TSGS1_104_Chicago\Docs\S1-233292.zip) | SA1 chair, MCC | clean-up Stage 1 for Rel-18 | | Endorsed | | *Revision of S1-233009.*  Revision of S1-233285. |
| REP | [S1-233003](file:///E:\TSGS1_104_Chicago\Docs\S1-233003.zip) | ETSI MCC | Extract of the 3GPP Work Plan for SA1#104 | | Noted | |  |
| Cont | [S1-233007](file:///E:\TSGS1_104_Chicago\Docs\S1-233007.zip) | ETSI MCC | MCC info on CR Rules | | Noted | |  |
| Cont | [S1-233008](file:///E:\TSGS1_104_Chicago\Docs\S1-233008.zip) | ETSI MCC | MCC info on WID names | | Noted | |  |
| Liaison Statements (including related contributions) | | | | | | | |
| Requirements for slice-based PLMN selection | | | | | | | |
| IN | [S1-233012](file:///E:\TSGS1_104_Chicago\Docs\S1-233012.zip) | C1-236565 | LS on the requirements for slice-based PLMN selection | | Replied 3272 | |  |
| Cont | [S1-233013](file:///E:\TSGS1_104_Chicago\Docs\S1-233013.zip) | ZTE | Discussion related to the LS from CT1 on the requirements for slice-based PLMN selection | | Noted | |  |
| OUT | [S1-233014](file:///E:\TSGS1_104_Chicago\Docs\S1-233014.zip) | ZTE | Reply LS on requirements for slice-based PLMN selection | | Revised to S1-233018 | |  |
| OUT | [S1-233018](file:///E:\TSGS1_104_Chicago\Docs\S1-233018.zip) | ZTE | Reply LS on requirements for slice-based PLMN selection | | Noted | | Revision of S1-233014. |
| CR | [S1-233019](file:///E:\TSGS1_104_Chicago\Docs\S1-233019.zip) | ZTE | CR | | Noted | | Revision of S1-233014. |
| OUT | [S1-233015](file:///E:\TSGS1_104_Chicago\Docs\S1-233015.zip) | Nokia | Reply LS on the requirements for slice-based PLMN selection | | Noted | |  |
| CR | [S1-233030](file:///E:\TSGS1_104_Chicago\Docs\S1-233030.zip) | Nokia, Nokia Shanghai Bell | Prioritization information VPLMNs for a UE to register for network slices | | Noted | |  |
| CR | [S1-233031](file:///E:\TSGS1_104_Chicago\Docs\S1-233031.zip) | Nokia, Nokia Shanghai Bell | Prioritization information VPLMNs for a UE to register for network slices | | Noted | |  |
| Cont | [S1-233016](file:///E:\TSGS1_104_Chicago\Docs\S1-233016.zip) | Ericsson | Discussion paper for "LS on the requirement for slice based PLMN selection" | | Noted | |  |
| CR | [S1-233038](file:///E:\TSGS1_104_Chicago\Docs\S1-233038.zip) | Ericsson | 22.261v18.11.0 Clarification of usage of default slice in roaming | | Revised to S1-233250 | | *WI* EASNS *Rel-18 CR0733R- Cat* |
| CR | [S1-233250](file:///E:\TSGS1_104_Chicago\Docs\S1-233250.zip) | Ericsson | 22.261v18.11.0 Clarification of usage of default slice in roaming | | Revised to S1-233271 | | *WI* EASNS *Rel-18 CR0733R- Cat F*  Revision of S1-233038. |
| CR | [S1-233271](file:///E:\TSGS1_104_Chicago\Docs\S1-233271.zip) | Ericsson | 22.261v18.11.0 Clarification of usage of default slice in roaming | | Agreed | | *WI EASNS Rel-18 CR0733R- Cat F*  *Revision of S1-233038.*  Revision of S1-233250. Clean cover page. Date and reason for change. |
| CR | [S1-233212](file:///E:\TSGS1_104_Chicago\Docs\S1-233212.zip) | Deutsche Telekom | 22.011v18.5.0 Clarification for change of networks considering the slice | | Noted | | *WI* EASNS *Rel-18 CR0357R- Cat F* |
| OUT | [S1-23301](file:///E:\TSGS1_104_Chicago\docs\S1-233017.zip)7 | Ericsson | Reply LS on the requirements for slice-based PLMN selection | | Revised to S1-233037 | |  |
| OUT | [S1-233037](file:///E:\TSGS1_104_Chicago\Docs\S1-233037.zip) | Ericsson | Reply LS on the requirements for slice-based PLMN selection | | Merge into S1-233251 | | Revision of S1-233017. |
| OUT | [S1-233023](file:///E:\TSGS1_104_Chicago\Docs\S1-233023.zip) | Deutsche Telekom | Reply LS on requirements for slice-based PLMN selection | | Revised to S1-233078 | |  |
| OUT | [S1-233078](file:///E:\TSGS1_104_Chicago\Docs\S1-233078.zip) | Deutsche Telekom | Reply LS on requirements for slice-based PLMN selection | | Revised to S1-233251 | | Revision of S1-233023. |
| OUT | [S1-233251](file:///E:\TSGS1_104_Chicago\Docs\S1-233251.zip) | Deutsche Telekom | Reply LS on requirements for slice-based PLMN selection | | Revised to S1-233272 | | *Revision of S1-233023.*  Revision of S1-233078. |
| OUT | [S1-233272](file:///E:\TSGS1_104_Chicago\Docs\S1-233272.zip) | Deutsche Telekom | Reply LS on requirements for slice-based PLMN selection | | Agreed | | *Revision of S1-233023.*  *Revision of S1-233078.*  Revision of S1-233251.  Attached the file. |
| Cont | [S1-233021](file:///E:\TSGS1_104_Chicago\Docs\S1-233021.zip) | Deutsche Telekom | Discussion of slice-based PLMN selection / LS S1-233012 | | Noted | |  |
| CR | [S1-233022](file:///E:\TSGS1_104_Chicago\Docs\S1-233022.zip) | Deutsche Telekom | Clarification for change of networks considering the slice | | Noted | |  |
| Cont | [S1-233024](file:///E:\TSGS1_104_Chicago\Docs\S1-233024.zip) | Huawei | Discussion on the requirements for slice-based PLMN selection | | Revised to S1-233045 | |  |
| Cont | [S1-233045](file:///E:\TSGS1_104_Chicago\Docs\S1-233045.zip) | Huawei | Discussion on the requirements for slice-based PLMN selection | | Noted | | Revision of S1-233024. |
| Cont | [S1-233035](file:///E:\TSGS1_104_Chicago\Docs\S1-233035.zip) | China Mobile | Discussion prioritization information provided by HPLMN | | Noted | |  |
| CR | [S1-233036](file:///E:\TSGS1_104_Chicago\Docs\S1-233036.zip) | China Mobile | Update requirement on supporting network selection for roaming UE for clarification | | Noted | |  |
| OUT | [S1-233039](file:///E:\TSGS1_104_Chicago\Docs\S1-233039.zip) | Qualcomm | Draft reply LS on Slice based NW selection | | Noted | |  |
| Cont | [S1-233040](file:///E:\TSGS1_104_Chicago\Docs\S1-233040.zip) | Qualcomm | Discussion on slice based NW selection | | Noted | |  |
| CR | [S1-233041](file:///E:\TSGS1_104_Chicago\Docs\S1-233041.zip) | Qualcomm | Slice based NW selection\_Clarification CR | | Noted | |  |
| Service requirement of restricting satellite access RAT type | | | | | | | |
| TO | [S1-233234](file:///E:\TSGS1_104_Chicago\Docs\S1-233234.zip) | C1-236567 | LS on the service requirement of restricting satellite access RAT type | | Replied into 3296 | |  |
| OUT | [S1-233083](file:///E:\TSGS1_104_Chicago\Docs\S1-233083.zip) | LG Electronics | [draft] Reply LS on the service requirement of restricting satellite access RAT type | | Merge into S1-233273 | |  |
| CR | [S1-233084](file:///E:\TSGS1_104_Chicago\Docs\S1-233084.zip) | LG Electronics | 22.261v19.4.0 Service Requirement on the usage of a particular RAT based on subscription | | Noted | | *WI TEI19 Rel-19 CR0736R- Cat F* |
| OUT | [S1-233203](file:///E:\TSGS1_104_Chicago\Docs\S1-233203.zip) | Apple | Reply LS on the service requirement of restricting satellite access RAT type | | Revised to S1-233273 | |  |
| OUT | [S1-233273](file:///E:\TSGS1_104_Chicago\Docs\S1-233273.zip) | Apple | Reply LS on the service requirement of restricting satellite access RAT type | | Revised to S1-233294 | | Revision of S1-233203. |
| OUT | [S1-233294](file:///E:\TSGS1_104_Chicago\Docs\S1-233294.zip) | Apple | Reply LS on the service requirement of restricting satellite access RAT type | | Revised to S1-233296 | | *Revision of S1-233203.*  Revision of S1-233273. |
| OUT | [S1-233296](file:///E:\TSGS1_104_Chicago\docs\S1-233296.zip) | Apple | Reply LS on the service requirement of restricting satellite access RAT type | | Agreed | | *Revision of S1-233203.*  *Revision of S1-233273.*  Revision of S1-233294. |
| OUT | [S1-233215](file:///E:\TSGS1_104_Chicago\Docs\S1-233215.zip) | Google | Reply LS on the service requirement of restricting satellite access RAT type | | Noted | |  |
| CR | [S1-233217](file:///E:\TSGS1_104_Chicago\Docs\S1-233217.zip) | Google, Samsung | 22.261v18.11.0 Clarification of restriction on access | | Noted | | *WI*  *Rel-18 CR0757R- Cat F* |
| CR | [S1-233218](file:///E:\TSGS1_104_Chicago\Docs\S1-233218.zip) | Google, Samsung | 22.261v19.4.0 Clarification of restriction on access | | Noted | | *WI*  *Rel-19 CR0757R- Cat A*  *Wrong CR number* |
| Cont | [S1-233216](file:///E:\TSGS1_104_Chicago\Docs\S1-233216.zip) | Google, MediaTek, Vodafone, Samsung, AT&T, DISH Network | Discussion on the service requirement of restricting satellite access RAT type | | Noted | |  |
| PS Data Off exemption for services over IMS DC | | | | | | | |
| TO | [S1-233236](file:///E:\TSGS1_104_Chicago\Docs\S1-233236.zip) | S2-2311881 | LS to clarify PS Data Off exemption for services over IMS DC | | Postponed | |  |
| OUT | [S1-233032](file:///E:\TSGS1_104_Chicago\Docs\S1-233032.zip) | Deutsche | Reply LS on PS Data Off exemption for services over IMS DC | | Revised to S1-233291 | |  |
| OUT | [S1-233291](file:///E:\TSGS1_104_Chicago\Docs\S1-233291.zip) | Deutsche | Reply LS on PS Data Off exemption for services over IMS DC | | Noted | | Revision of S1-233032. |
| CR | [S1-233034](file:///E:\TSGS1_104_Chicago\Docs\S1-233034.zip) | Deutsche Telekom | 22.011v19.2.0 Clarification of PS Data Off exemption for services over Data Channel | | Noted | | *WI* TEI19 *Rel-19 CR0354R- Cat F* |
| OUT | [S1-233104](file:///E:\TSGS1_104_Chicago\Docs\S1-233104.zip) | Qualcomm | Reply LS on PS Data Off exemption for services over IMS DC | | Noted | |  |
| OUT | [S1-233044](file:///E:\TSGS1_104_Chicago\Docs\S1-233044.zip) | vivo | Reply LS on PS Data Off exemption for services over IMS DC | | Noted | |  |
| Cont | [S1-233043](file:///E:\TSGS1_104_Chicago\Docs\S1-233043.zip) | vivo | Discussion on PS Data Off exemption for services over IMS DC | | Noted | |  |
| OUT | [S1-233118](file:///E:\TSGS1_104_Chicago\Docs\S1-233118.zip) | China Mobile, Huawei | Reply LS to clarify PS Data Off exemption for services over IMS DC | | Noted | |  |
| CR | [S1-233119](file:///E:\TSGS1_104_Chicago\Docs\S1-233119.zip) | China Mobile, Huawei | 22.011v19.2.0 Clarification on the PS Data Off exemption for services over Data Channel | | Revised to S1-233287 | | *WI* IMSDCDataOff *Rel-19 CR0355R- Cat F* |
| CR | [S1-233287](file:///E:\TSGS1_104_Chicago\Docs\S1-233287.zip) | China Mobile, Huawei | 22.011v19.2.0 Clarification on the PS Data Off exemption for services over Data Channel | | Revised to S1-233297 | | *WI IMSDCDataOff Rel-19 CR0355R- Cat F*  Revision of S1-233119. |
| CR | [S1-233297](docs\S1-233297.zip) | China Mobile, Huawei | 22.011v19.2.0 Clarification on the PS Data Off exemption for services over Data Channel | | Revised to S1-233592 | | *WI IMSDCDataOff Rel-19 CR0355R- Cat F*  *Revision of S1-233119.*  Revision of S1-233287. |
| CR | [S1-233592](docs\S1-233592.zip) | China Mobile, Huawei | 22.011v19.2.0 Clarification on the PS Data Off exemption for services over Data Channel | | Noted | | *WI IMSDCDataOff Rel-19 CR0355R- Cat F*  *Revision of S1-233119.*  *Revision of S1-233287.*  Revision of S1-233297. |
| Cont | [S1-233149](file:///E:\TSGS1_104_Chicago\Docs\S1-233149.zip) | Huawei, China Mobile | Discussion on PS Data Off exemption for services over IMS DC | | Noted | |  |
| Definition of metaverse | | | | | | | |
| TO | [S1-233243](file:///E:\TSGS1_104_Chicago\Docs\S1-233243.zip) | sp17-fg-mv-oLS-00027 | LS on definition of metaverse | | Replied into 3340 | |  |
| OUT | [S1-233268](file:///E:\TSGS1_104_Chicago\Docs\S1-233268.zip) | Samsung | Proposed answer to LS on definition of metaverse | | Revised to S1-233437 | |  |
| OUT | [S1-233437](file:///E:\TSGS1_104_Chicago\Docs\S1-233437.zip) | Samsung | Proposed answer to LS on definition of metaverse | | Revised to S1-233340 | | Revision of S1-233268. |
| OUT | [S1-233340](file:///E:\TSGS1_104_Chicago\docs\S1-233340.zip) | Samsung | Proposed answer to LS on definition of metaverse | | Agreed | | *Revision of S1-233268.*  Revision of S1-233437. |
| TO | [S1-233241](file:///E:\TSGS1_104_Chicago\Docs\S1-233241.zip) | sp17-fg-mv-oLS-00020 | LS on request to provide the standardization status for metaverse cross-platform interoperability | | Postponed | |  |
| OUT | [S1-233286](file:///E:\TSGS1_104_Chicago\Docs\S1-233286.zip) | Nokia | Proposed answer to LS on request to provide the standardization status for metaverse cross-platform interoperability | | Revised to S1-233441 | |  |
| OUT | [S1-233441](file:///E:\TSGS1_104_Chicago\Docs\S1-233441.zip) | Nokia | Proposed answer to LS on request to provide the standardization status for metaverse cross-platform interoperability | | Noted | | Revision of S1-233286. |
| Proposed to Note | | | | | | | |
| TO | [S1-233237](file:///E:\TSGS1_104_Chicago\Docs\S1-233237.zip) | S5-235364 | Reply to LS on customer acceptance of limited QoS degradation to save energy in the network | | Noted | |  |
| TO | [S1-233242](file:///E:\TSGS1_104_Chicago\Docs\S1-233242.zip) | sp17-fg-mv-oLS-00026 | LS on Results of the third meeting of the FG-MV | | Noted | |  |
| TO | [S1-233244](file:///E:\TSGS1_104_Chicago\Docs\S1-233244.zip) | sp17-sg20-oLS-00108 | LS on determination of draft Recommendation ITU-T Y.4225 (ex Y.dt-ITS) ""Requirements and capability framework of digital twin for intelligent transport system"" | | Noted | |  |
| TO | [S1-233245](file:///E:\TSGS1_104_Chicago\Docs\S1-233245.zip) | sp17-sg20-oLS-00109 | LS on the draft Technical Report ITU-T YSTR.Ambient IoT ""Analysis on requirements and use cases of ambient power-enabled IoT"" | | Noted | |  |
| CC | [S1-233231](file:///E:\TSGS1_104_Chicago\Docs\S1-233231.zip) | 5GMRR | Reply LS to S3-234350 on potential solution for Roaming Hubs | | Noted | |  |
| CC | [S1-233246](file:///E:\TSGS1_104_Chicago\Docs\S1-233246.zip) | SP-231203 | Reply LS on Roaming Hubs | | Noted | |  |
| CC | [S1-233247](file:///E:\TSGS1_104_Chicago\Docs\S1-233247.zip) | GSMA 5GMRR Doc 45\_13r7 | Elaborated LS reply to S3-234350 on Roaming Hub requirements as applicable to the Modified PRINS solution | | Noted | |  |
| CC | [S1-233248](file:///E:\TSGS1_104_Chicago\Docs\S1-233248.zip) | GSMA 5GMRR Doc 45\_14r7 | Elaborated LS reply to S3-234350 on IPX Service Hub requirements as applicable to the Modified PRINS solution | | Noted | |  |
| CC | [S1-233230](file:///E:\TSGS1_104_Chicago\Docs\S1-233230.zip) | 5G-ACIA | Using 5G sidelink in industrial factory applications – use cases and requirements | | Noted | |  |
| CC | [S1-233232](file:///E:\TSGS1_104_Chicago\Docs\S1-233232.zip) | 5GMRR | LS reply to S3-233786 and S3-234296 on the introduction of the domain ""ipxnetwork.org"" and clarifications of the Outsourced SEPP and Hosted SEPP deployment scenarios | | Noted | |  |
| CC | [S1-233235](file:///E:\TSGS1_104_Chicago\Docs\S1-233235.zip) | C4-234666 | LS on modifications for PRINS middle box | | Noted | |  |
| CC | [S1-233238](file:///E:\TSGS1_104_Chicago\Docs\S1-233238.zip) | S5-235752 | LS on charging aspects of AI/ML traffic | | Noted | |  |
| CC | [S1-233239](file:///E:\TSGS1_104_Chicago\Docs\S1-233239.zip) | S5-235778 | Reply to LS on 3GPP work on energy efficiency | | Noted | |  |
| CC | [S1-233240](file:///E:\TSGS1_104_Chicago\Docs\S1-233240.zip) | S6-232609 | Reply to LS addressing packet loss | | Noted | |  |
| TO | [S1-233233](file:///E:\TSGS1_104_Chicago\Docs\S1-233233.zip) | C1-236565 | LS on the requirements for slice-based PLMN selection | | Withdrawn | |  |
| New Work Items (including related contributions, studies Rel-20 part 1) | | | | | | | |
| Rel-19 WIDs (related to studies in Rel-19) | | | | | | | |
| WID | [S1-233072](file:///E:\TSGS1_104_Chicago\Docs\S1-233072.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | | Revised to S1-233265 | | *Moved from 7.2.2* |
| WID | [S1-233265](file:///E:\TSGS1_104_Chicago\Docs\S1-233265.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | | Revised to S1-233405 | | *Moved from 7.2.2*  Revision of S1-233072. |
| WID | [S1-233405](file:///E:\TSGS1_104_Chicago\Docs\S1-233405.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | | Revised to S1-233414 | | *Moved from 7.2.2*  *Revision of S1-233072.*  Revision of S1-233265. |
| WID | [S1-233414](file:///E:\TSGS1_104_Chicago\docs\S1-233414.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | | Agreed | | *Moved from 7.2.2*  *Revision of S1-233072.*  *Revision of S1-233265.*  Revision of S1-233405.  Accept all changes. |
| WID | [S1-233106](file:///E:\TSGS1_104_Chicago\Docs\S1-233106.zip) | Qualcomm | New WID\_DualSteer | | Revised to S1-233336 | |  |
| WID | [S1-233336](file:///E:\TSGS1_104_Chicago\docs\S1-233336.zip) | Qualcomm | New WID\_DualSteer | | Revised to S1-233345 | | Revision of S1-233106. |
| WID | [S1-233345](file:///E:\TSGS1_104_Chicago\docs\S1-233345.zip) | Qualcomm | New WID\_DualSteer | | Revised to S1-233372 | | *Revision of S1-233106.*  Revision of S1-233336. |
| WID | [S1-233372](docs\S1-233372.zip) | Qualcomm | New WID\_DualSteer | | Agreed | | *Revision of S1-233106.*  *Revision of S1-233336.*  Revision of S1-233345. |
| CR | [S1-233107](file:///E:\TSGS1_104_Chicago\Docs\S1-233107.zip) | Qualcomm | 22.261v19.4.0 DualSteer normative requirements | | Revised to S1-233337 | | *WI* Dummy *Rel-19 CR0739R- Cat B*  *Update WI Code* |
| CR | [S1-233337](file:///E:\TSGS1_104_Chicago\docs\S1-233337.zip) | Qualcomm | 22.261v19.4.0 DualSteer normative requirements | | Revised to S1-233347 | | *WI Dummy Rel-19 CR0739R- Cat B*  *Update WI Code*  Revision of S1-233107. |
| CR | [S1-233347](file:///E:\TSGS1_104_Chicago\docs\S1-233347.zip) | Qualcomm | 22.261v19.4.0 DualSteer normative requirements | | Revised to S1-233371 | | *WI Dummy Rel-19 CR0739R- Cat B*  *Update WI Code*  *Revision of S1-233107.*  Revision of S1-233337. |
| CR | [S1-233371](docs\S1-233371.zip) | Qualcomm | 22.261v19.4.0 DualSteer normative requirements | | Agreed | | *WI Dummy Rel-19 CR0739R- Cat B*  *Update WI Code*  *Revision of S1-233107.*  *Revision of S1-233337.*  Revision of S1-233347. |
| WID | [S1-233180](file:///E:\TSGS1_104_Chicago\Docs\S1-233180.zip) | Huawei, Mediatek, Hispasat | New WID on all traffic access switching (ATAS) - FS-DualSteer way forward | | Noted | |  |
| CR | [S1-233177](file:///E:\TSGS1_104_Chicago\Docs\S1-233177.zip) | Huawei, Mediatek, Hispasat | 22.261v19.4.0 ATAS (all traffic access switching) Normative requirements | | Noted | | *WI* DUMMY *Rel-19 CR0750R- Cat B*  *Update WI Code* |
| Cont | [S1-233061](file:///E:\TSGS1_104_Chicago\Docs\S1-233061.zip) | Intel, Cisco Systems, Novamint | New mini-WID on Scalable Interconnect of SNPN | | Revised to S1-233464 | |  |
| Cont | [S1-233464](file:///E:\TSGS1_104_Chicago\Docs\S1-233464.zip) | Intel, Cisco Systems, Novamint | New mini-WID on Scalable Interconnect of SNPN | | Revised to S1-233474 | | Revision of S1-233061. |
| Cont | [S1-233474](file:///E:\TSGS1_104_Chicago\docs\S1-233474.zip) | Intel, Cisco Systems, Novamint | New mini-WID on Scalable Interconnect of SNPN | | Revised to S1-233477 | | *Revision of S1-233061.*  Revision of S1-233464. |
| Cont | [S1-233477](file:///E:\TSGS1_104_Chicago\docs\S1-233477.zip) | Intel, Cisco Systems, Novamint | New mini-WID on Scalable Interconnect of SNPN | | Noted | | *Revision of S1-233061.*  *Revision of S1-233464.*  Revision of S1-233474. |
| Cont | [S1-233062](file:///E:\TSGS1_104_Chicago\Docs\S1-233062.zip) | Intel, Cisco Systems, Novamint | 22.261v19.4.0 Service requirements for Scalable SNPN Interconnect with dynamic connections | | Revised to S1-233478 | |  |
| Cont | [S1-233478](file:///E:\TSGS1_104_Chicago\docs\S1-233478.zip) | Intel, Cisco Systems, Novamint | 22.261v Service requirements for Scalable SNPN Interconnect with dynamic connections | | Noted | | Revision of S1-233062. |
| Rel-19 miniWIDs | | | | | | | |
| WID | [S1-233153](file:///E:\TSGS1_104_Chicago\Docs\S1-233153.zip) | China Telecom | New WID on Slice-based NPN selection | | Noted | |  |
| CR | [S1-233154](file:///E:\TSGS1_104_Chicago\Docs\S1-233154.zip) | China Telecom | 22.261v19.4.0 Support of slice-based NPN selection | | Noted | | *WI*  *Rel-19 CR0746R- Cat B* |
| Cont | [S1-233155](file:///E:\TSGS1_104_Chicago\Docs\S1-233155.zip) | China Telecom | Discussion on Slice-based NPN selection | | Noted | |  |
| WID | [S1-233219](file:///E:\TSGS1_104_Chicago\Docs\S1-233219.zip) | NOVAMINT, b-com, EDF | new mini-WID on Network Selection SNPN | | Noted | |  |
| CR | [S1-233220](file:///E:\TSGS1_104_Chicago\Docs\S1-233220.zip) | NOVAMINT, b-com, EDF | 22.261v19.4.0 Add SNPN network Selection to TS 22.261 | | Noted | | *WI* DUMMY *Rel-19 CR0759R- Cat B*  *Update WI Code* |
| CR | [S1-233221](file:///E:\TSGS1_104_Chicago\Docs\S1-233221.zip) | NOVAMINT | 22.011v19.2.0 Add SNPN network Selection to TS 22.011 | | Noted | | *WI* DUMMY *Rel-19 CR0358R- Cat B*  *Update WI Code* |
| WID | [S1-233195](file:///E:\TSGS1_104_Chicago\Docs\S1-233195.zip) | Orange | Timestamp Information Exposure for critical IoT Applications | | Revised to S1-233575 | |  |
| WID | [S1-233575](file:///E:\TSGS1_104_Chicago\docs\S1-233575.zip) | Orange | Timestamp Information Exposure for critical IoT Applications | | Revised to S1-233578 | | Revision of S1-233195. |
| WID | [S1-233578](file:///E:\TSGS1_104_Chicago\docs\S1-233578.zip) | Orange | Timestamp Information Exposure for critical IoT Applications | | Revised to S1-233583 | | *Revision of S1-233195.*  Revision of S1-233575. |
| WID | [S1-233583](docs\S1-233583.zip) | Orange | Timestamp Information Exposure for critical IoT Applications | | Agreed | | *Revision of S1-233195.*  *Revision of S1-233575.*  Revision of S1-233578.  Adding supporting company. |
| CR | [S1-233196](file:///E:\TSGS1_104_Chicago\Docs\S1-233196.zip) | Orange | Add requirements on Timestamp Information Exposure for critical IoT Applications | | Revised to S1-233576 | | *Moved from 7.12* |
| CR | [S1-233576](file:///E:\TSGS1_104_Chicago\Docs\S1-233576.zip) | Orange | Add requirements on Timestamp Information Exposure for critical IoT Applications | | Revised to S1-233588 | | *Moved from 7.12*  Revision of S1-233196. |
| CR | [S1-233588](file:///E:\TSGS1_104_Chicago\Docs\S1-233588.zip) | Orange | Add requirements on Timestamp Information Exposure for critical IoT Applications | | Revised to S1-233591 | | *Moved from 7.12*  *Revision of S1-233196.*  Revision of S1-233576. |
| CR | [S1-233591](docs\S1-233591.zip) | Orange | Add requirements on Timestamp Information Exposure for critical IoT Applications | | Noted | | *Moved from 7.12*  *Revision of S1-233196.*  *Revision of S1-233576.*  Revision of S1-233588. |
| WID | [S1-233029](file:///E:\TSGS1_104_Chicago\Docs\S1-233029.zip) | one2many | MiniWID on Duplication Detection | | Noted | | *Moved from 7.12* |
| CR | [S1-233025](file:///E:\TSGS1_104_Chicago\Docs\S1-233025.zip) | one2many | 22.261v19.4.0 Duplication Detection based on content | | Noted | | *Moved from 7.12*  *WI* TIE\_IoTAPP *Rel-19 CR0756R- Cat B* |
| Cont | [S1-233026](file:///E:\TSGS1_104_Chicago\Docs\S1-233026.zip) | one2many | Discussion Paper on duplication detection | | Noted | | *Moved from 7.12* |
| Rel-20 SID proposals | | | | | | | |
| SID | [S1-233028](file:///E:\TSGS1_104_Chicago\Docs\S1-233028.zip) | InterDigital | New SID: Study on distributed device and user-centric trust | | Revised to S1-233577 | |  |
| SID | [S1-233577](file:///E:\TSGS1_104_Chicago\Docs\S1-233577.zip) | InterDigital | New SID: Study on distributed device and user-centric trust | | Noted | | Revision of S1-233028. |
| Cont | [S1-233027](file:///E:\TSGS1_104_Chicago\Docs\S1-233027.zip) | InterDigital | Motivation for study on distributed device and user-centric trust | | Noted | |  |
| SID | [S1-233042](file:///E:\TSGS1_104_Chicago\Docs\S1-233042.zip) | IIT Bombay, Tejas Networks | New SID: Study on Ubiquitous Connectivity | | Noted | |  |
| Cont | [S1-233046](file:///E:\TSGS1_104_Chicago\Docs\S1-233046.zip) | IIT Bombay, Tejas Networks | Motivation for study on Ubiquitous Connectivity | | Noted | |  |
| SID | [S1-233050](file:///E:\TSGS1_104_Chicago\Docs\S1-233050.zip) | Xiaomi | New SID on Study on Integrated Sensing and Communication Phase 2 | | Revised to S1-233530 | |  |
| SID | [S1-233530](file:///E:\TSGS1_104_Chicago\Docs\S1-233530.zip) | Xiaomi | New SID on Study on Integrated Sensing and Communication Phase 2 | | Noted | | Revision of S1-233050. |
| Cont | [S1-233049](file:///E:\TSGS1_104_Chicago\Docs\S1-233049.zip) | Xiaomi | Integrated Sensing and Communication Phase 2 | | Revised to S1-233264 | | Max 4 content slides (rest must go to Annex) |
| Cont | [S1-233264](file:///E:\TSGS1_104_Chicago\Docs\S1-233264.zip) | Xiaomi | Integrated Sensing and Communication Phase 2 | | Noted | | *Max 4 content slides (rest must go to Annex)*  Revision of S1-233049. |
| SID | [S1-233108](file:///E:\TSGS1_104_Chicago\Docs\S1-233108.zip) | China Mobile | New SID on Integrated Sensing and Communication Phase 2 | | Merged into S1-233530 | |  |
| Cont | [S1-233109](file:///E:\TSGS1_104_Chicago\Docs\S1-233109.zip) | China Mobile | New SID on Integrated Sensing and Communication Phase 2 | | Noted | | Max 4 content slides (rest must go to Annex) |
| SID | [S1-233065](file:///E:\TSGS1_104_Chicago\Docs\S1-233065.zip) | China Unicom | FS\_NetShare\_Ph2 | | Revised to S1-233579 | |  |
| SID | [S1-233579](file:///E:\TSGS1_104_Chicago\Docs\S1-233579.zip) | China Unicom | FS\_NetShare\_Ph2 | | Revised to S1-233589 | | Revision of S1-233065. |
| SID | [S1-233589](file:///E:\TSGS1_104_Chicago\Docs\S1-233589.zip) | China Unicom | FS\_NetShare\_Ph2 | | Noted | | *Revision of S1-233065.*  Revision of S1-233579. |
| Cont | [S1-233076](file:///E:\TSGS1_104_Chicago\Docs\S1-233076.zip) | China Unicom | New Study on NetShare phase 2 | | Noted | |  |
| SID | [S1-233079](file:///E:\TSGS1_104_Chicago\Docs\S1-233079.zip) | KPN | New study on End-to-end Encryption as a Service | | Revised to S1-233580 | |  |
| SID | [S1-233580](file:///E:\TSGS1_104_Chicago\Docs\S1-233580.zip) | KPN | New study on End-to-end Encryption as a Service | | Withdrawn | | Revision of S1-233079. |
| Cont | [S1-233080](file:///E:\TSGS1_104_Chicago\Docs\S1-233080.zip) | KPN | Discussion on End-to-end Encryption as a Service | | Revised to S1-233274 | | Please add cover page with tdoc number |
| Cont | [S1-233274](file:///E:\TSGS1_104_Chicago\Docs\S1-233274.zip) | KPN | Discussion on End-to-end Encryption as a Service | | Noted | | *Please add cover page with tdoc number*  Revision of S1-233080. |
| SID | [S1-233113](file:///E:\TSGS1_104_Chicago\Docs\S1-233113.zip) | ZTE, CEPRI, China Unicom | New SID on Study on Task-driven Cooperative Intelligent Cluster | | Revised to S1-233581 | |  |
| SID | [S1-233581](file:///E:\TSGS1_104_Chicago\Docs\S1-233581.zip) | ZTE, CEPRI, China Unicom | New SID on Study on Task-driven Cooperative Intelligent Cluster | | Noted | | Revision of S1-233113. |
| Cont | [S1-233114](file:///E:\TSGS1_104_Chicago\Docs\S1-233114.zip) | ZTE, CEPRI, China Unicom | Discussion on Task-driven Cooperative Intelligent Cluster | | Noted | |  |
| SID | [S1-233120](file:///E:\TSGS1_104_Chicago\Docs\S1-233120.zip) | China Mobile | New SID on distributed and autonomous network | | Revised to S1-233582 | |  |
| SID | [S1-233582](file:///E:\TSGS1_104_Chicago\Docs\S1-233582.zip) | China Mobile | New SID on distributed and autonomous network | | Noted | | Revision of S1-233120. |
| Cont | [S1-233121](file:///E:\TSGS1_104_Chicago\Docs\S1-233121.zip) | China Mobile | Discussion on distributed and autonomous network | | Noted | |  |
| SID | [S1-233122](file:///E:\TSGS1_104_Chicago\Docs\S1-233122.zip) | China Mobile | New SID on Energy Efficiency as Service Criteria phase2 | | Revised to S1-233283 | |  |
| SID | [S1-233283](file:///E:\TSGS1_104_Chicago\Docs\S1-233283.zip) | China Mobile | New SID on Energy Efficiency as Service Criteria phase2 | | Noted | | Revision of S1-233122. |
| Cont | [S1-233123](file:///E:\TSGS1_104_Chicago\Docs\S1-233123.zip) | China Mobile | Discussion on Energy Efficiency as Service Criteria phase2 | | Revised to S1-233269 | |  |
| Cont | [S1-233269](file:///E:\TSGS1_104_Chicago\Docs\S1-233269.zip) | China Mobile | Discussion on Energy Efficiency as Service Criteria phase2 | | Noted | | Revision of S1-233123. |
| SID | [S1-233133](file:///E:\TSGS1_104_Chicago\Docs\S1-233133.zip) | China Telecom | New SID on Study on Enhancements to Network Automation | | Revised to S1-233284 | |  |
| SID | [S1-233284](file:///E:\TSGS1_104_Chicago\Docs\S1-233284.zip) | China Telecom | New SID on Study on Enhancements to Network Automation | | Withdrawn | | Revision of S1-233133. |
| Cont | [S1-233136](file:///E:\TSGS1_104_Chicago\Docs\S1-233136.zip) | China Telecom | New SID: Study on Enhancements to Network Automation | | Noted | |  |
| SID | [S1-233139](file:///E:\TSGS1_104_Chicago\Docs\S1-233139.zip) | OPPO | Study on User Centric Application Service Transfer (for R20 part1) | | Revised to S1-233293 | |  |
| SID | [S1-233293](file:///E:\TSGS1_104_Chicago\Docs\S1-233293.zip) | OPPO | Study on User Centric Application Service Transfer (for R20 part1) | | Noted | | Revision of S1-233139. |
| Cont | [S1-233134](file:///E:\TSGS1_104_Chicago\Docs\S1-233134.zip) | OPPO | User Centric Application Service Transfer | | Revised to S1-233265 | | Max 4 content slides (rest must go to Annex) |
| Cont | [S1-233265](file:///E:\TSGS1_104_Chicago\Docs\S1-233265.zip) | OPPO | User Centric Application Service Transfer | | Noted | | *Max 4 content slides (rest must go to Annex)*  Revision of S1-233134. |
| SID | [S1-233150](file:///E:\TSGS1_104_Chicago\Docs\S1-233150.zip) | China Unicom | SID study on Multi-network Interoperability Enhancement | | Revised to S1-233586 | |  |
| SID | [S1-233586](file:///E:\TSGS1_104_Chicago\Docs\S1-233586.zip) | China Unicom | SID study on Multi-network Interoperability Enhancement | | Noted | | Revision of S1-233150. |
| Cont | [S1-233151](file:///E:\TSGS1_104_Chicago\Docs\S1-233151.zip) | China Unicom | DP on Multi-network Interoperability Enhancement | | Noted | |  |
| SID | [S1-233160](file:///E:\TSGS1_104_Chicago\Docs\S1-233160.zip) | CATT | New SID on Mobile Base Station Relay Phase2 | | Revised to S1-233587 | |  |
| SID | [S1-233587](file:///E:\TSGS1_104_Chicago\Docs\S1-233587.zip) | CATT | New SID on Mobile Base Station Relay Phase2 | | Noted | | Revision of S1-233160. |
| Cont | [S1-233161](file:///E:\TSGS1_104_Chicago\Docs\S1-233161.zip) | CATT | Discussion on Mobile Base Station Relay Phase2 | | Noted | |  |
| SID | [S1-233162](file:///E:\TSGS1_104_Chicago\Docs\S1-233162.zip) | CATT | New SID on High-availability IoT services via dual 3GPP accessess | | Revised to S1-233288 | |  |
| SID | [S1-233288](file:///E:\TSGS1_104_Chicago\Docs\S1-233288.zip) | CATT | New SID on High-availability IoT services via dual 3GPP accessess | | Noted | | Revision of S1-233162. |
| Cont | [S1-233163](file:///E:\TSGS1_104_Chicago\Docs\S1-233163.zip) | CATT | Discussion on High-availability IoT services via dual 3GPP accessess | | Noted | |  |
| SID | [S1-233209](file:///E:\TSGS1_104_Chicago\Docs\S1-233209.zip) | Nokia, Nokia Shanghai Bell | New SID on user feedback in the IMS | | Revised to S1-233289 | |  |
| SID | [S1-233289](file:///E:\TSGS1_104_Chicago\Docs\S1-233289.zip) | Nokia, Nokia Shanghai Bell | New SID on user feedback in the IMS | | Noted | | Revision of S1-233209. |
| Cont | [S1-233207](file:///E:\TSGS1_104_Chicago\Docs\S1-233207.zip) | Nokia, Nokia Shanghai Bell | Motivations for new SID on User feedback in IMS | | Noted | |  |
| Cont | [S1-233100](file:///E:\TSGS1_104_Chicago\Docs\S1-233100.zip) | NEC | On the need to enhance NPN-PLMN interworking | | Noted | |  |
| Cont | [S1-233111](file:///E:\TSGS1_104_Chicago\Docs\S1-233111.zip) | vivo | Discussion paper on enhancements to IMS for new GEO global call services | | Revised to S1-233290 | |  |
| Cont | [S1-233290](file:///E:\TSGS1_104_Chicago\Docs\S1-233290.zip) | vivo | Discussion paper on enhancements to IMS for new GEO global call services | | Noted | | Revision of S1-233111. |
| Cont | [S1-233193](file:///E:\TSGS1_104_Chicago\Docs\S1-233193.zip) | China Mobile | Discussion on Motivation on AI enhanced IMS Multimedia Telephony Service | | Noted | |  |
| Cont | [S1-233201](file:///E:\TSGS1_104_Chicago\Docs\S1-233201.zip) | NOVAMINT, Thales, Airbus, Eutelsat, Fraunhofer, TNO, | Satellite Access: Next Steps - Motivation for study in Rel-20 and beyond | | Noted | | Max 4 content slides (rest must go to Annex) |
| Cont | [S1-233224](file:///E:\TSGS1_104_Chicago\Docs\S1-233224.zip) | Qualcomm | Supplemental NW extension\_Overview | | Noted | |  |
| SID | [S1-233165](file:///E:\TSGS1_104_Chicago\Docs\S1-233165.zip) | China Telecom | New SID on Distributed Customization Network Services | | Revised to S1-233267 | |  |
| SID | [S1-233267](file:///E:\TSGS1_104_Chicago\Docs\S1-233267.zip) | China Telecom | New SID on Distributed Customization Network Services | | Revised to S1-233574 | | Revision of S1-233165. |
| SID | [S1-233574](file:///E:\TSGS1_104_Chicago\Docs\S1-233574.zip) | China Telecom | New SID on Distributed Customization Network Services | | Noted | | *Revision of S1-233165.*  Revision of S1-233267. |
| Cont | [S1-233164](file:///E:\TSGS1_104_Chicago\Docs\S1-233164.zip) | China Telecom | Discussion on Distributed Customization Network Services | | Revised to S1-233266 | |  |
| Cont | [S1-233266](file:///E:\TSGS1_104_Chicago\Docs\S1-233266.zip) | China Telecom | Discussion on Distributed Customization Network Services | | Noted | | Revision of S1-233164. |
| 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 | [S1-233181](file:///E:\TSGS1_104_Chicago\Docs\S1-233181.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) | | Revised to S1-233275 | | *WI TEI16 Rel-16 CR0751R- Cat D* |
| CR | [S1-233275](file:///E:\TSGS1_104_Chicago\Docs\S1-233275.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) | | Agreed | | *WI TEI16 Rel-16 CR0751R- Cat D*  Revision of S1-233181.  Change to cat F, over the access technologies |
| CR | [S1-233183](file:///E:\TSGS1_104_Chicago\Docs\S1-233183.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) | | Revised to S1-233276 | | *WI TEI16 Rel-17 CR0751R- Cat A* |
| CR | [S1-233276](file:///E:\TSGS1_104_Chicago\Docs\S1-233276.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) | | Agreed | | *WI TEI16 Rel-17 CR0751R- Cat A*  Revision of S1-233183. |
| CR | [S1-233184](file:///E:\TSGS1_104_Chicago\Docs\S1-233184.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v18.11.0 Correction of requirement in subclause 6.3 (Multiple access technologies) | | Revised to S1-233277 | | *WI TEI16 Rel-18 CR0751R- Cat A* |
| CR | [S1-233277](file:///E:\TSGS1_104_Chicago\Docs\S1-233277.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v18.11.0 Correction of requirement in subclause 6.3 (Multiple access technologies) | | Agreed | | *WI TEI16 Rel-18 CR0751R- Cat A*  Revision of S1-233184. |
| CR | [S1-233185](file:///E:\TSGS1_104_Chicago\Docs\S1-233185.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v19.4.0 Correction of requirement in subclause 6.3 (Multiple access technologies) | | Revised to S1-233227 | | *WI TEI16 Rel-19 CR0751R- Cat A* |
| CR | [S1-233227](file:///E:\TSGS1_104_Chicago\Docs\S1-233227.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v19.4.0 Correction of requirement in subclause 6.3 (Multiple access technologies) | | Agreed | | *WI TEI16 Rel-19 CR0751R- Cat A*  Revision of S1-233185. |
| Rel-18 and earlier contributions | | | | | | | |
| Rel-18 correction and clarification CRs | | | | | | | |
| CR | [S1-233210](file:///E:\TSGS1_104_Chicago\Docs\S1-233210.zip) | UIC | 22.280v18.4.0. Update of recording and audit requirements for railways | | Revised to S1-233350 | | *WI* FRMCS\_Ph5 *Rel-18 CR0169R- Cat A*  *Wrong WI code, wrong cat.* |
| CR | [S1-233350](file:///E:\TSGS1_104_Chicago\Docs\S1-233350.zip) | UIC | 22.280v18.4.0. Update of recording and audit requirements for railways | | Withdrawn | | *WI FRMCS\_Ph5 Rel-18 CR0169R- Cat A*  *Wrong WI code, wrong cat.*  Revision of S1-233210. |
| CR | [S1-233214](file:///E:\TSGS1_104_Chicago\Docs\S1-233214.zip) | UIC | 22.280v18.4.0 Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | | Revised to S1-233353 | | *WI* FRMCS\_Ph5 *Rel-18 CR0170R- Cat A*  *Wrong WI code, wrong cat.* |
| CR | [S1-233353](file:///E:\TSGS1_104_Chicago\Docs\S1-233353.zip) | UIC | 22.280v18.4.0 Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | | Agreed | | *WI FRMCS\_Ph5 Rel-18 CR0170R- Cat A*  *Wrong WI code, wrong cat.*  Revision of S1-233214. |
| 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) | | | | | | | |
| Rel19 contributions | | | | | | | |
| Sensing | | | | | | | |
| 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 22.837v19.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.837/22837-j10.zip)  Target completion date: SA#100 (06/2023)  Percentage completion: 100% | | | | | | | |
| CR | [S1-233051](file:///E:\TSGS1_104_Chicago\Docs\S1-233051.zip) | Xiaomi | 22.837v19.1.0 Adding security title | | Revised to S1-233304 | | *WI FS\_Sensing Rel-19 CR0-R- Cat D*  *Wrong CR number and revision.* |
| CR | [S1-233304](file:///E:\TSGS1_104_Chicago\Docs\S1-233304.zip) | Xiaomi | 22.837v19.1.0 Adding security title | | Agreed | | *WI FS\_Sensing Rel-19 CR0-R- Cat D*  Revision of S1-233051.  Right CR number, increase counter, date. |
| CR | [S1-233047](file:///E:\TSGS1_104_Chicago\Docs\S1-233047.zip) | Nokia, Nokia Shanghai Bell, Deutsche Telekom | 22.837v19.1.0 Correction on consolidated KPI table for sensing | | Revised to S1-233305 | | *WI FS\_Sensing Rel-19 CR0017R- Cat F* |
| CR | [S1-233305](file:///E:\TSGS1_104_Chicago\Docs\S1-233305.zip) | Nokia, Nokia Shanghai Bell, Deutsche Telekom | 22.837v19.1.0 Correction on consolidated KPI table for sensing | | Agreed | | *WI FS\_Sensing Rel-19 CR0017R- Cat F*  Revision of S1-233047. |
| CR | [S1-233131](file:///E:\TSGS1_104_Chicago\Docs\S1-233131.zip) | ZTE | 22.837v19.1.0 Update sensing consolidated KPI table | | Revised to S1-233306 | | *WI FS\_Sensing Rel-19 CR00019R- Cat F* |
| CR | [S1-233306](file:///E:\TSGS1_104_Chicago\Docs\S1-233306.zip) | ZTE | 22.837v19.1.0 Update sensing consolidated KPI table | | Revised to S1-233319 | | *WI FS\_Sensing Rel-19 CR00019R- Cat F*  Revision of S1-233131. |
| CR | [S1-233319](file:///E:\TSGS1_104_Chicago\Docs\S1-233319.zip) | ZTE | 22.837v19.1.0 Update sensing consolidated KPI table | | Revised to S1-233329 | | *WI FS\_Sensing Rel-19 CR00019R- Cat F*  *Revision of S1-233131.*  Revision of S1-233306. |
| CR | [S1-233329](file:///E:\TSGS1_104_Chicago\Docs\S1-233329.zip) | ZTE | 22.837v19.1.0 Update sensing consolidated KPI table | | Revised to S1-233343 | | *WI FS\_Sensing Rel-19 CR00019R- Cat F*  *Revision of S1-233131.*  *Revision of S1-233306.*  Revision of S1-233319. |
| CR | [S1-233343](file:///E:\TSGS1_104_Chicago\docs\S1-233343.zip) | ZTE | 22.837v19.1.0 Update sensing consolidated KPI table | | Agreed | | *WI FS\_Sensing Rel-19 CR00019R- Cat F*  *Revision of S1-233131.*  *Revision of S1-233306.*  *Revision of S1-233319.*  Revision of S1-233329. |
| Cont | [S1-233112](file:///E:\TSGS1_104_Chicago\Docs\S1-233112.zip) | vivo, Lenovo | Inclusion of Sensing Assistance Information Requirements | | Moved to 7.1.2 | |  |
| Cont | S1-233110 | vivo | Inclusion of Sensing Assistance Information Requirements | | Withdrawn | |  |
| Sensing: Integrated Sensing and Communication [[SP-230507](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230507.zip)] | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Vasil Aleksiev (Deutsche Telekom)  Latest version: [22.137v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.137/22137-100.zip)  Target completion date: SA#102 (12/2023)  Percentage completion: 80% | | | | | | | |
| General | | | | | | | |
| Cont | [S1-233087](file:///E:\TSGS1_104_Chicago\Docs\S1-233087.zip) | Deutsche Telekom, Nokia | Removal of empty subsections | | Agreed | |  |
| Cont | [S1-233124](file:///E:\TSGS1_104_Chicago\Docs\S1-233124.zip) | ZTE, Deutsche Telekom, vivo | Pseudo-CR on 3.1 terms update | | Agreed | |  |
| Cont | [S1-233126](file:///E:\TSGS1_104_Chicago\Docs\S1-233126.zip) | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.1 General | | Revised to S1-233307 | |  |
| Cont | [S1-233307](file:///E:\TSGS1_104_Chicago\Docs\S1-233307.zip) | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.1 General | | Agreed | | Revision of S1-233126. |
| Cont | [S1-233128](file:///E:\TSGS1_104_Chicago\Docs\S1-233128.zip) | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.2 Sensing Operation | | Revised to S1-233308 | |  |
| Cont | [S1-233308](file:///E:\TSGS1_104_Chicago\Docs\S1-233308.zip) | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.2 Sensing Operation | | Revised to S1-233322 | | Revision of S1-233128. |
| Cont | [S1-233322](file:///E:\TSGS1_104_Chicago\Docs\S1-233322.zip) | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.2 Sensing Operation | | Revised to S1-233367 | | *Revision of S1-233128.*  Revision of S1-233308. |
| Cont | [S1-233367](file:///E:\TSGS1_104_Chicago\docs\S1-233367.zip) | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.2 Sensing Operation | | Agreed | | *Revision of S1-233128.*  *Revision of S1-233308.*  Revision of S1-233322.  Fix typo ‘the’ |
| Section 5 - Requirements | | | | | | | |
| Cont | [S1-233190](file:///E:\TSGS1_104_Chicago\Docs\S1-233190.zip) | Deutsche Telekom AG, Nokia, ZTE | Resolving editor`s note “Identify” is FFS | | Noted | |  |
| Cont | [S1-233202](file:///E:\TSGS1_104_Chicago\Docs\S1-233202.zip) | Apple, Qualcomm | Resolving editor’s note “Identify” is FFS | | Revised to S1-233309 | |  |
| Cont | [S1-233309](file:///E:\TSGS1_104_Chicago\Docs\S1-233309.zip) | Apple, Qualcomm | Resolving editor’s note “Identify” is FFS | | Agreed | | Revision of S1-233202.  All other definitions are deleted. Delete the word identify and the Editor’s note. |
| Cont | [S1-233088](file:///E:\TSGS1_104_Chicago\Docs\S1-233088.zip) | Deutsche Telekom, Nokia | Update of general functional service requirements | | Agreed | |  |
| Cont | [S1-233054](file:///E:\TSGS1_104_Chicago\Docs\S1-233054.zip) | Xiaomi | Addressing Editor's Note in 5.2.1 General | | Noted | |  |
| Cont | [S1-233056](file:///E:\TSGS1_104_Chicago\Docs\S1-233056.zip) | Xiaomi | Adding a new requirement to section 5.2.1 General | | Noted | |  |
| Cont | [S1-233112](file:///E:\TSGS1_104_Chicago\Docs\S1-233112.zip) | vivo, Lenovo | Inclusion of Sensing Assistance Information Requirements | | Revised to S1-233310 | | Move from 7.1.1 |
| Cont | [S1-233310](file:///E:\TSGS1_104_Chicago\Docs\S1-233310.zip) | vivo, Lenovo | Inclusion of Sensing Assistance Information Requirements | | Agreed | | *Move from 7.1.1*  Revision of S1-233112.  Remove first change. |
| Cont | [S1-233089](file:///E:\TSGS1_104_Chicago\Docs\S1-233089.zip) | Deutsche Telekom, Nokia | Update of subclause configuration and authorization | | Agreed | |  |
| Cont | [S1-233057](file:///E:\TSGS1_104_Chicago\Docs\S1-233057.zip) | Xiaomi | Adding a new requirement to section 5.2.2 Configuration and authorization | | Noted | |  |
| Cont | [S1-233147](file:///E:\TSGS1_104_Chicago\Docs\S1-233147.zip) | Huawei | Adding requirements into Section 5.2 | | Noted | |  |
| Cont | [S1-233090](file:///E:\TSGS1_104_Chicago\Docs\S1-233090.zip) | Deutsche Telekom, Nokia | Update of subclause network exposure | | Revised to S1-233311 | |  |
| Cont | [S1-233311](file:///E:\TSGS1_104_Chicago\Docs\S1-233311.zip) | Deutsche Telekom, Nokia | Update of subclause network exposure | | Revised to S1-233317 | | Revision of S1-233090. |
| Cont | [S1-233317](file:///E:\TSGS1_104_Chicago\Docs\S1-233317.zip) | Deutsche Telekom, Nokia | Update of subclause network exposure | | Revised to S1-233326 | | *Revision of S1-233090.*  Revision of S1-233311. |
| Cont | [S1-233326](file:///E:\TSGS1_104_Chicago\Docs\S1-233326.zip) | Deutsche Telekom, Nokia | Update of subclause network exposure | | Revised to S1-233341 | | *Revision of S1-233090.*  *Revision of S1-233311.*  Revision of S1-233317. |
| Cont | [S1-233341](file:///E:\TSGS1_104_Chicago\docs\S1-233341.zip) | Deutsche Telekom, Nokia | Update of subclause network exposure | | Noted | | *Revision of S1-233090.*  *Revision of S1-233311.*  *Revision of S1-233317.*  Revision of S1-233326. |
| Cont | [S1-233058](file:///E:\TSGS1_104_Chicago\Docs\S1-233058.zip) | Xiaomi | Adding a new requirement to section 5.2.3 Network exposure | | Noted | |  |
| Cont | [S1-233091](file:///E:\TSGS1_104_Chicago\Docs\S1-233091.zip) | Deutsche Telekom, Nokia | Update of subclause security | | Revised to S1-233270 | |  |
| Cont | [S1-233270](file:///E:\TSGS1_104_Chicago\Docs\S1-233270.zip) | Deutsche Telekom, Nokia | Update of subclause security | | Revised to S1-233312 | | Revision of S1-233091. |
| Cont | [S1-233312](file:///E:\TSGS1_104_Chicago\Docs\S1-233312.zip) | Deutsche Telekom, Nokia | Update of subclause security | | Revised to S1-233323 | | *Revision of S1-233091.*  Revision of S1-233270. |
| Cont | [S1-233323](file:///E:\TSGS1_104_Chicago\Docs\S1-233323.zip) | Deutsche Telekom, Nokia | Update of subclause security | | Revised to S1-233332 | | *Revision of S1-233091.*  *Revision of S1-233270.*  Revision of S1-233312. |
| Cont | [S1-233332](file:///E:\TSGS1_104_Chicago\Docs\S1-233332.zip) | Deutsche Telekom, Nokia | Update of subclause security | | Revised to S1-233342 | | *Revision of S1-233091.*  *Revision of S1-233270.*  *Revision of S1-233312.*  Revision of S1-233323. |
| Cont | [S1-233342](file:///E:\TSGS1_104_Chicago\docs\S1-233342.zip) | Deutsche Telekom, Nokia | Update of subclause security | | Agreed | | *Revision of S1-233091.*  *Revision of S1-233270.*  *Revision of S1-233312.*  *Revision of S1-233323.*  Revision of S1-233332.  NOTE: The purpose of this requirement is to ensure that association of 3GPP subscriber identity and sensing results is possible only with user consent and according to regulatory requirements. |
| Cont | [S1-233059](file:///E:\TSGS1_104_Chicago\Docs\S1-233059.zip) | Xiaomi | Adding a new requirement to section 5.2.4 Security | | Noted | |  |
| Cont | [S1-233135](file:///E:\TSGS1_104_Chicago\Docs\S1-233135.zip) | Xiaomi | Clarification for relationship between sensing KPI and security | | Revised to S1-233313 | |  |
| Cont | [S1-233313](file:///E:\TSGS1_104_Chicago\Docs\S1-233313.zip) | Xiaomi | Clarification for relationship between sensing KPI and security | | Agreed | | Revision of S1-233135. |
| Cont | [S1-233144](file:///E:\TSGS1_104_Chicago\Docs\S1-233144.zip) | Huawei | Update to sensing security and privacy aspects | | Revised to S1-233314 | |  |
| Cont | [S1-233314](file:///E:\TSGS1_104_Chicago\Docs\S1-233314.zip) | Huawei | Update to sensing security and privacy aspects | | Revised to S1-233324 | | Revision of S1-233144. |
| Cont | [S1-233324](file:///E:\TSGS1_104_Chicago\Docs\S1-233324.zip) | Huawei | Update to sensing security and privacy aspects | | Revised to S1-233327 | | *Revision of S1-233144.*  Revision of S1-233314. |
| Cont | [S1-233327](file:///E:\TSGS1_104_Chicago\Docs\S1-233327.zip) | Huawei | Update to sensing security and privacy aspects | | Agreed | | *Revision of S1-233144.*  *Revision of S1-233314.*  Revision of S1-233324. |
| Section 6 - KPIs | | | | | | | |
| Cont | [S1-233048](file:///E:\TSGS1_104_Chicago\Docs\S1-233048.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on finalising KPI table for sensing | | Revised to S1-233321 | |  |
| Cont | [S1-233321](file:///E:\TSGS1_104_Chicago\Docs\S1-233321.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on finalising KPI table for sensing | | Revised to S1-233328 | | Revision of S1-233048. |
| Cont | [S1-233328](file:///E:\TSGS1_104_Chicago\Docs\S1-233328.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on finalising KPI table for sensing | | Agreed | | *Revision of S1-233048.*  Revision of S1-233321. |
| Cont | [S1-233086](file:///E:\TSGS1_104_Chicago\Docs\S1-233086.zip) | Deutsche Telekom, vivo, Nokia | Correcting references in the KPI table | | Agreed | |  |
| Cont | [S1-233055](file:///E:\TSGS1_104_Chicago\Docs\S1-233055.zip) | Xiaomi | Updates to Performance requirements table in 6.2 | | Noted | |  |
| Cont | [S1-233053](file:///E:\TSGS1_104_Chicago\Docs\S1-233053.zip) | Xiaomi | Removing Editor’s Note on performance requirements in clause 6.2 | | Revised to S1-233318 | |  |
| Cont | [S1-233318](file:///E:\TSGS1_104_Chicago\Docs\S1-233318.zip) | Xiaomi | Removing Editor’s Note on performance requirements in clause 6.2 | | Noted | | Revision of S1-233053. |
| Cont | [S1-233101](file:///E:\TSGS1_104_Chicago\Docs\S1-233101.zip) | Qualcomm | Resolving FFS in the KPI Table | | Merge into S1-233318 | |  |
| Cont | [S1-233130](file:///E:\TSGS1_104_Chicago\Docs\S1-233130.zip) | ZTE | Pseudo-CR on update of 6.2 KPI | | Revised to S1-233315 | |  |
| Cont | [S1-233315](file:///E:\TSGS1_104_Chicago\Docs\S1-233315.zip) | ZTE | Pseudo-CR on update of 6.2 KPI | | Revised to S1-233320 | | Revision of S1-233130. |
| Cont | [S1-233320](file:///E:\TSGS1_104_Chicago\Docs\S1-233320.zip) | ZTE | Pseudo-CR on update of 6.2 KPI | | Revised to S1-233330 | | *Revision of S1-233130.*  Revision of S1-233315. |
| Cont | [S1-233330](file:///E:\TSGS1_104_Chicago\Docs\S1-233330.zip) | ZTE | Pseudo-CR on update of 6.2 KPI | | Revised to S1-233335 | | *Revision of S1-233130.*  *Revision of S1-233315.*  Revision of S1-233320. |
| Cont | [S1-233335](file:///E:\TSGS1_104_Chicago\docs\S1-233335.zip) | ZTE | Pseudo-CR on update of 6.2 KPI | | Revised to S1-233339 | | *Revision of S1-233130.*  *Revision of S1-233315.*  *Revision of S1-233320.*  Revision of S1-233330. |
| Cont | [S1-233339](file:///E:\TSGS1_104_Chicago\docs\S1-233339.zip) | ZTE | Pseudo-CR on update of 6.2 KPI | | Agreed | | *Revision of S1-233130.*  *Revision of S1-233315.*  *Revision of S1-233320.*  *Revision of S1-233330.*  Revision of S1-233335.  Remove changes on changes. |
| Cont | [S1-233145](file:///E:\TSGS1_104_Chicago\Docs\S1-233145.zip) | Huawei | Discussion on sensing KPI table | | Noted | |  |
| 22.261 | | | | | | | |
| CR | [S1-233052](file:///E:\TSGS1_104_Chicago\Docs\S1-233052.zip) | Xiaomi | 22,161v19.4.0 General description for sensing services | | Revised to S1-233325 | | WI Sensing *Rel-19 CR#R- Cat B*  *Missing CR # and revision* |
| CR | [S1-233325](file:///E:\TSGS1_104_Chicago\Docs\S1-233325.zip) | Xiaomi | 22,161v19.4.0 General description for sensing services | | Revised to S1-233331 | | *WI Sensing Rel-19 CR#R- Cat B*  *Missing CR # and revision*  Revision of S1-233052. |
| CR | [S1-233331](file:///E:\TSGS1_104_Chicago\Docs\S1-233331.zip) | Xiaomi | 22,161v19.4.0 General description for sensing services | | Agreed | | *WI Sensing Rel-19 CR#R- Cat B*  *Missing CR # and revision*  *Revision of S1-233052.*  Revision of S1-233325.  Reason for change updated in cover page. |
| Sensing Output | | | | | | | |
| TS | [S1-233252](docs\S1-233252.zip) | Rapporteur (Deutsche Telekom) | | Cover sheet of the TS22.137 for approval | | Agreed |  |
| TS | [S1-233253](docs\S1-233253.zip) | Rapporteur (Deutsche Telekom) | | TS 22.137v1.1.0 Integrated Sensing and Communication | | Agreed | First draft by Tuesday 28th 23:00 UTC  Comments till Thursday 30st 23:00 UTC  Final version by Friday 1st 23:00 UTC |
| AmbientIoT | | | | | | | |
| 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 22.840v2.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.840/22840-200.zip)  Target completion date: SA#98 (12/2022)  Percentage completion: 95% | | | | | | | |
| Cont | [S1-233171](file:///E:\TSGS1_104_Chicago\Docs\S1-233171.zip) | Huawei | FS\_Ambient CPR KPI Table Actuator outdoor Device density | | Revised to S1-233401 | |  |
| Cont | [S1-233401](file:///E:\TSGS1_104_Chicago\Docs\S1-233401.zip) | Huawei | FS\_Ambient CPR KPI Table Actuator outdoor Device density | | Agreed | | Revision of S1-233171.  With title change. |
| Cont | [S1-233172](file:///E:\TSGS1_104_Chicago\Docs\S1-233172.zip) | Huawei | FS\_Ambient IoT CPR KPI Table Inventory indoor Device density | | Revised to S1-233402 | |  |
| Cont | [S1-233402](file:///E:\TSGS1_104_Chicago\Docs\S1-233402.zip) | Huawei | FS\_Ambient IoT CPR KPI Table Inventory indoor Device density | | Agreed | | Revision of S1-233172.  With title change |
| Cont | [S1-233173](file:///E:\TSGS1_104_Chicago\Docs\S1-233173.zip) | Huawei | FS\_Ambient IoT CPR KPI Table Sensor data Communication Range alignment | | Revised to S1-233403 | |  |
| Cont | [S1-233403](file:///E:\TSGS1_104_Chicago\Docs\S1-233403.zip) | Huawei | FS\_Ambient IoT CPR KPI Table Sensor data Communication Range alignment | | Agreed | | Revision of S1-233173.  With title change, remove « ? », add NOTE2 into 7.2.1 |
| Cont | [S1-233168](file:///E:\TSGS1_104_Chicago\Docs\S1-233168.zip) | OPPO | Consolidation on KPI for Ambient IoT in TR22840 | | Revised to S1-233404 | |  |
| Cont | [S1-233404](file:///E:\TSGS1_104_Chicago\Docs\S1-233404.zip) | OPPO | Consolidation on KPI for Ambient IoT in TR22840 | | Agreed | | Revision of S1-233168. |
| AmbientIoT: Ambient power-enabled Internet of Things | | | | | | | |
| TR | [S1-233066](file:///E:\TSGS1_104_Chicago\Docs\S1-233066.zip) | Rapporteur (OPPO) | TS 22.xxxv0.1.0 Study on Ambient power-enabled Internet of Things | | Noted | | *Agreed last SA1* |
| Cont | [S1-233067](file:///E:\TSGS1_104_Chicago\Docs\S1-233067.zip) | OPPO | Skeleton for new TS on Ambient IoT | | Agreed | | *Agreed last SA1* |
| Cont | [S1-233069](file:///E:\TSGS1_104_Chicago\Docs\S1-233069.zip) | OPPO | Scope for Ambient IoT TS | | Revised to S1-233406 | | *Agreed last SA1* |
| Cont | [S1-233406](file:///E:\TSGS1_104_Chicago\Docs\S1-233406.zip) | OPPO | Scope for Ambient IoT TS | | Revised to S1-233419 | | *Agreed last SA1*  Revision of S1-233069. |
| Cont | [S1-233419](file:///E:\TSGS1_104_Chicago\Docs\S1-233419.zip) | OPPO | Scope for Ambient IoT TS | | Agreed | | *Agreed last SA1*  *Revision of S1-233069.*  Revision of S1-233406. |
| Cont | [S1-233070](file:///E:\TSGS1_104_Chicago\Docs\S1-233070.zip) | OPPO | Overview for Ambient IoT TS | | Merged into S1-233407 | | *Agreed last SA1* |
| Cont | [S1-233071](file:///E:\TSGS1_104_Chicago\Docs\S1-233071.zip) | OPPO | Input to new TS - Ambient IoT performance requirements | | Revised to S1-233413 | | *Agreed last SA1* |
| Cont | [S1-233413](file:///E:\TSGS1_104_Chicago\Docs\S1-233413.zip) | OPPO | Input to new TS - Ambient IoT performance requirements | | Revised to S1-233425 | | *Agreed last SA1*  Revision of S1-233071. |
| Cont | [S1-233425](file:///E:\TSGS1_104_Chicago\Docs\S1-233425.zip) | OPPO | Input to new TS - Ambient IoT performance requirements | | Revised to S1-233429 | | *Agreed last SA1*  *Revision of S1-233071.*  Revision of S1-233413. |
| Cont | [S1-233429](file:///E:\TSGS1_104_Chicago\Docs\S1-233429.zip) | OPPO | Input to new TS - Ambient IoT performance requirements | | Revised to S1-233443 | | *Agreed last SA1*  *Revision of S1-233071.*  *Revision of S1-233413.*  Revision of S1-233425. |
| Cont | [S1-233443](docs\S1-233443.zip) | OPPO | Input to new TS - Ambient IoT performance requirements | | Agreed | | *Agreed last SA1*  *Revision of S1-233071.*  *Revision of S1-233413.*  *Revision of S1-233425.*  Revision of S1-233429. |
| Cont | [S1-233073](file:///E:\TSGS1_104_Chicago\Docs\S1-233073.zip) | OPPO | pCR on ambient IoT functional requirements | | Revised to S1-233410 | | *Agreed last SA1* |
| Cont | [S1-233410](file:///E:\TSGS1_104_Chicago\Docs\S1-233410.zip) | OPPO | pCR on ambient IoT functional requirements | | Revised to S1-233415 | | *Agreed last SA1*  Revision of S1-233073. |
| Cont | [S1-233415](file:///E:\TSGS1_104_Chicago\Docs\S1-233415.zip) | OPPO | pCR on ambient IoT functional requirements | | Revised to S1-233420 | | *Agreed last SA1*  *Revision of S1-233073.*  Revision of S1-233410. |
| Cont | [S1-233420](file:///E:\TSGS1_104_Chicago\Docs\S1-233420.zip) | OPPO | pCR on ambient IoT functional requirements | | Revised to S1-233424 | | *Agreed last SA1*  *Revision of S1-233073.*  *Revision of S1-233410.*  Revision of S1-233415. |
| Cont | [S1-233424](file:///E:\TSGS1_104_Chicago\Docs\S1-233424.zip) | OPPO | pCR on ambient IoT functional requirements | | Agreed | | *Agreed last SA1*  *Revision of S1-233073.*  *Revision of S1-233410.*  *Revision of S1-233415.*  Revision of S1-233420. |
| Cont | [S1-233074](file:///E:\TSGS1_104_Chicago\Docs\S1-233074.zip) | OPPO | TS.22.261\_Adding clause for Ambient IoT | | Revised to S1-233417 | | *Agreed last SA1* |
| Cont | [S1-233417](file:///E:\TSGS1_104_Chicago\Docs\S1-233417.zip) | OPPO | TS.22.261\_Adding clause for Ambient IoT | | Revised to S1-233426 | | *Agreed last SA1*  Revision of S1-233074. |
| Cont | [S1-233426](file:///E:\TSGS1_104_Chicago\Docs\S1-233426.zip) | OPPO | TS.22.261\_Adding clause for Ambient IoT | | Agreed | | *Agreed last SA1*  *Revision of S1-233074.*  Revision of S1-233417.  Other comments ‘Spec number is not known at this moment so it appears as XXX. ‘ |
| Cont | [S1-233167](file:///E:\TSGS1_104_Chicago\Docs\S1-233167.zip) | KPN | Overview for Ambient IoT TS | | Revised to S1-233400 | |  |
| Cont | [S1-233400](file:///E:\TSGS1_104_Chicago\Docs\S1-233400.zip) | KPN | Overview for Ambient IoT TS | | Revised to S1-233407 | | Revision of S1-233167. |
| Cont | [S1-233407](file:///E:\TSGS1_104_Chicago\Docs\S1-233407.zip) | KPN | Overview for Ambient IoT TS | | Revised to S1-233421 | | *Revision of S1-233167.*  Revision of S1-233400. |
| Cont | [S1-233421](file:///E:\TSGS1_104_Chicago\Docs\S1-233421.zip) | KPN | Overview for Ambient IoT TS | | Revised to S1-233427 | | *Revision of S1-233167.*  *Revision of S1-233400.*  Revision of S1-233407. |
| Cont | [S1-233427](file:///E:\TSGS1_104_Chicago\Docs\S1-233427.zip) | KPN | Overview for Ambient IoT TS | | Agreed | | *Revision of S1-233167.*  *Revision of S1-233400.*  *Revision of S1-233407.*  Revision of S1-233421. |
| Cont | [S1-233075](file:///E:\TSGS1_104_Chicago\Docs\S1-233075.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS | | Revised to S1-233409 | |  |
| Cont | [S1-233409](file:///E:\TSGS1_104_Chicago\Docs\S1-233409.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS | | Revised to S1-233416 | | Revision of S1-233075. |
| Cont | [S1-233416](file:///E:\TSGS1_104_Chicago\Docs\S1-233416.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS | | Revised to S1-233423 | | *Revision of S1-233075.*  Revision of S1-233409. |
| Cont | [S1-233423](file:///E:\TSGS1_104_Chicago\Docs\S1-233423.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS | | Revised to S1-233482 | | *Revision of S1-233075.*  *Revision of S1-233409.*  Revision of S1-233416. |
| Cont | [S1-233482](file:///E:\TSGS1_104_Chicago\Docs\S1-233482.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS | | Revised to S1-233483 | | *Revision of S1-233075.*  *Revision of S1-233409.*  *Revision of S1-233416.*  Revision of S1-233423.  Section titles is text already avaliable. It should not appear in track changes |
| Cont | [S1-233483](file:///E:\TSGS1_104_Chicago\docs\S1-233483.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS | | Agreed | | *Revision of S1-233075.*  *Revision of S1-233409.*  *Revision of S1-233416.*  *Revision of S1-233423.*  *Section titles is text already avaliable. It should not appear in track changes*  Revision of S1-233482. |
| Cont | [S1-233102](file:///E:\TSGS1_104_Chicago\Docs\S1-233102.zip) | QUALCOMM | Text proposal for Communication modes | | Revised to S1-233411 | |  |
| Cont | [S1-233411](file:///E:\TSGS1_104_Chicago\Docs\S1-233411.zip) | QUALCOMM | Text proposal for Communication modes | | Revised to S1-233422 | | Revision of S1-233102. |
| Cont | [S1-233422](file:///E:\TSGS1_104_Chicago\docs\S1-233422.zip) | QUALCOMM | Text proposal for Communication modes | | Agreed | | *Revision of S1-233102.*  Revision of S1-233411.  Fix « capable » in texts and figure, section numbering remove 4. Overview |
| Cont | [S1-233103](file:///E:\TSGS1_104_Chicago\Docs\S1-233103.zip) | QUALCOMM | KPI Table Updates | | Revised to S1-233278 | |  |
| Cont | [S1-233278](file:///E:\TSGS1_104_Chicago\Docs\S1-233278.zip) | QUALCOMM | KPI Table Updates | | Revised to S1-233412 | | Revision of S1-233103. |
| Cont | [S1-233412](file:///E:\TSGS1_104_Chicago\Docs\S1-233412.zip) | QUALCOMM | KPI Table Updates | | Merged into [S1-233429](file:///E:\TSGS1_104_Chicago\Docs\S1-233429.zip) | | *Revision of S1-233103.*  Revision of S1-233278. |
| Cont | [S1-233148](file:///E:\TSGS1_104_Chicago\Docs\S1-233148.zip) | OPPO | Adding referernces for Ambient IoT TS | | Revised to S1-233418 | |  |
| Cont | [S1-233418](file:///E:\TSGS1_104_Chicago\Docs\S1-233418.zip) | OPPO | Adding referernces for Ambient IoT TS | | Merged into S1-233421 | | Revision of S1-233148. |
| Cont | [S1-233170](file:///E:\TSGS1_104_Chicago\Docs\S1-233170.zip) | OPPO | Adding annex for Ambient IoT TS | | Revised to S1-233408 | | Incorrect document title |
| Cont | [S1-233408](file:///E:\TSGS1_104_Chicago\Docs\S1-233408.zip) | OPPO | Adding annex for Ambient IoT TS | | Noted | | Revision of S1-233170. Incorrect document title |
| WID | [S1-233072](file:///E:\TSGS1_104_Chicago\Docs\S1-233072.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | | Moved to 4 | |  |
| AmbientIoT Output | | | | | | | |
| TR | [S1-233254](docs\S1-233254.zip) | Rapporteur (OPPO) | | Cover sheet of the TR 22.840 for approval | | Revised to S1-233593 |  |
| TR | [S1-233593](docs\S1-233593.zip) | Rapporteur (OPPO) | | Cover sheet of the TR 22.840 for approval | | Agreed | Revision of S1-233254.  Use the right template. |
| TR | [S1-233255](docs\S1-233255.zip) | Rapporteur (OPPO) | | TR 22.840v2.1.0 Study on Ambient power-enabled Internet of Things | | Agreed | First draft by Tuesday 28th 23:00 UTC  Comments till Thursday 30st 23:00 UTC  Final version by Friday 1st 23:00 UTC |
| TS | [S1-233256](docs\S1-233256.zip) | Rapporteur (OPPO) | | Cover sheet of the TS 22.xxx for one step approval | | Revised to S1-233594 |  |
| TS | [S1-233594](docs\S1-233594.zip) | Rapporteur (OPPO) | | Cover sheet of the TS 22.xxx for one step approval | | Agreed | Revision of S1-233256.  Performance requirements + right format+ fixing typos. |
| TS | [S1-233257](docs\S1-233257.zip) | Rapporteur (OPPO) | | TS 22.xxxv0.1.0 Study on Ambient power-enabled Internet of Things | | Agreed | First draft by Tuesday 28th 23:00 UTC  Comments till Thursday 30st 23:00 UTC  Final version by Friday 1st 23:00 UTC |
| Metaverse | | | | | | | |
| 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 22.856v19.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.856/22856-j10.zip)  Target completion date: SA#99 (03/2023)  Percentage completion: 100% | | | | | | | |
| CR | [S1-233129](file:///E:\TSGS1_104_Chicago\Docs\S1-233129.zip) | Huawei, Orange, Nokia, Nokia Shanghai Bell, NTT DOCOMO | 22.856v19.1.0. Essential correction to clause 7 | | Revised to S1-233430 | | *WI FS\_Metaverse Rel-19 CR0009R- Cat F* |
| CR | [S1-233430](file:///E:\TSGS1_104_Chicago\Docs\S1-233430.zip) | Huawei, Orange, Nokia, Nokia Shanghai Bell, NTT DOCOMO | 22.856v19.1.0. Essential correction to clause 7 | | Agreed | | *WI FS\_Metaverse Rel-19 CR0009R- Cat F*  Revision of S1-233129. |
| Metaverse: Mobile Metaverse Services [[SP-230509](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230509.zip)] | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Erik Guttman (Samsung)  Latest version: [TS22.156v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.156/22156-100.zip)  Target completion date: SA#102 (12/2023)  Percentage completion: 80% | | | | | | | |
| Cont | [S1-233166](file:///E:\TSGS1_104_Chicago\Docs\S1-233166.zip) | Nokia, Nokia Shanghai Bell | pCR on TS 22.156 cleanup | | Revised to S1-233431 | |  |
| Cont | [S1-233431](file:///E:\TSGS1_104_Chicago\Docs\S1-233431.zip) | Nokia, Nokia Shanghai Bell | pCR on TS 22.156 cleanup | | Agreed | | Revision of S1-233166.  Revise Annex section numbers |
| Cont | [S1-233152](file:///E:\TSGS1_104_Chicago\Docs\S1-233152.zip) | Nokia, Nokia Shanghai Bell, Samsung, Huawei | 22.156 pCR on numbering requirements | | Agreed | | Keep this document open for plenary session |
| Cont | [S1-233077](file:///E:\TSGS1_104_Chicago\Docs\S1-233077.zip) | Orange | pCR 22156 - Mobile metaverse service interconnection | | Revised to S1-233432 | |  |
| Cont | [S1-233432](file:///E:\TSGS1_104_Chicago\Docs\S1-233432.zip) | Orange | pCR 22156 - Mobile metaverse service interconnection | | Revised to S1-233438 | | Revision of S1-233077. |
| Cont | [S1-233438](file:///E:\TSGS1_104_Chicago\Docs\S1-233438.zip) | Orange | pCR 22156 - Mobile metaverse service interconnection | | Agreed | | *Revision of S1-233077.*  Revision of S1-233432.  « data formats «  -> digital asset formats e.g., avatar format, remove « be » |
| Cont | [S1-233127](file:///E:\TSGS1_104_Chicago\Docs\S1-233127.zip) | Huawei, Samsung, Nokia, Nokia Shanghai Bell | Pseudo-CR on addition of KPI requirements | | Revised to S1-233433 | |  |
| Cont | [S1-233433](file:///E:\TSGS1_104_Chicago\Docs\S1-233433.zip) | Huawei, Samsung, Nokia, Nokia Shanghai Bell | Pseudo-CR on addition of KPI requirements | | Agreed | | Revision of S1-233127. |
| Cont | [S1-233146](file:///E:\TSGS1_104_Chicago\Docs\S1-233146.zip) | China Telecom | 22156 pCR 5.2.3 Digital asset management | | Agreed | |  |
| Cont | [S1-233186](file:///E:\TSGS1_104_Chicago\Docs\S1-233186.zip) | Samsung, NTT DOCOMO, Huawei, Nokia, Nokia Shanghai Bell | 22.156 pCR Addition of Agreed Consolidated Requirements except for Digital Asset Management | | Revised to S1-233434 | |  |
| Cont | [S1-233434](file:///E:\TSGS1_104_Chicago\Docs\S1-233434.zip) | Samsung, NTT DOCOMO, Huawei, Nokia, Nokia Shanghai Bell | 22.156 pCR Addition of Agreed Consolidated Requirements except for Digital Asset Management | | Agreed | | Revision of S1-233186.  Clause 5.1.1.2 mechanism -> means |
| Cont | [S1-233156](file:///E:\TSGS1_104_Chicago\Docs\S1-233156.zip) | Nokia, Nokia Shanghai Bell | DP on revising Traffic Flow KPIs | | Noted | |  |
| Cont | [S1-233158](file:///E:\TSGS1_104_Chicago\Docs\S1-233158.zip) | Nokia, Nokia Shanghai Bell | 22.156 pCR on revising traffic flow KPIs | | Agreed | | Keep this document open for plenary session |
| Cont | [S1-233213](file:///E:\TSGS1_104_Chicago\Docs\S1-233213.zip) | Samsung | 22.156 pCR Informative Annex on The EU Digital Identity Wallet Initiative | | Revised to S1-233435 | |  |
| Cont | [S1-233435](file:///E:\TSGS1_104_Chicago\Docs\S1-233435.zip) | Samsung | 22.156 pCR Informative Annex on The EU Digital Identity Wallet Initiative | | Revised to S1-233442 | | Revision of S1-233213. |
| Cont | [S1-233442](file:///E:\TSGS1_104_Chicago\Docs\S1-233442.zip) | Samsung | 22.156 pCR Informative Annex on The EU Digital Identity Wallet Initiative | | Agreed | | *Revision of S1-233213.*  Revision of S1-233435.  Remove shall and may from the anex. Remove annex from the caption of the figure. |
| CR | [S1-233187](file:///E:\TSGS1_104_Chicago\Docs\S1-233187.zip) | Samsung | 22.261v19.4.0 Introduction of Mobile Metaverse Services | | Revised to S1-233436 | | WI Metaverse *Rel-19 CR0755R- Cat B* |
| CR | [S1-233436](file:///E:\TSGS1_104_Chicago\Docs\S1-233436.zip) | Samsung | 22.261v19.4.0 Introduction of Mobile Metaverse Services | | Revised to S1-233439 | | *WI Metaverse Rel-19 CR0755R- Cat B*  Revision of S1-233187. |
| CR | [S1-233439](file:///E:\TSGS1_104_Chicago\Docs\S1-233439.zip) | Samsung | 22.261v19.4.0 Introduction of Mobile Metaverse Services | | Agreed | | *WI Metaverse Rel-19 CR0755R- Cat B*  *Revision of S1-233187.*  Revision of S1-233436.  Virtual entities -> spatial anchors, annd -> and date source to TSG and numbering of references |
| Metaverse Ouput | | | | | | | |
| TS | [S1-233188](file:///E:\TSGS1_104_Chicago\Docs\S1-233188.zip) | Samsung | Presentation of Specification to TSG: TS 22.156 19.0.0 (1.1.0) | | Agreed | |  |
| TS | [S1-233258](file:///E:\TSGS1_104_Chicago\Docs\S1-233258.zip) | Rapporteur (Samsung) | | TS 22.156v1.1.0 Study on Localized Mobile Metaverse Services | | Agreed | First draft by Tuesday 28th 23:00 UTC  Comments till Thursday 30st 23:00 UTC  Final version by Friday 1st 23:00 UTC |
| FRMCS\_Ph5 | | | | | | | |
| 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: [TR22.989v19.4.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.989/22989-j40.zip)  Target completion date: SA#101 (09/2023)  Percentage completion: 90% | | | | | | | |
| CR | [S1-233222](file:///E:\TSGS1_104_Chicago\Docs\S1-233222.zip) | UIC | 22.989v19.4.0. Update and Gap analysis of Merging of Railway Emergency alerts use case | | Noted | | *WI FS\_FRMCS\_Ph5 Rel-19 CR0030R- Cat C* |
| FRMCS\_Ph5: FRMCS Phase 5 [[SP-230512](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230512.zip)] | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Guillaume Gach (UIC)  Target completion date: SA#102 (12/2023)  Percentage completion: 50% | | | | | | | |
| CR | [S1-233178](file:///E:\TSGS1_104_Chicago\Docs\S1-233178.zip) | Kyonggi University, KT | 22.289v17.0.0 Updates on railway communication functionality | | Noted | | *WI FRMCS\_Ph5 Rel-19 CR0009R- Cat B* |
| CR | [S1-233204](file:///E:\TSGS1_104_Chicago\Docs\S1-233204.zip) | UIC | 22.280v19.3.0 Update of recording and audit requirements for railways | | Revised to S1-233351 | | *WI FRMCS\_Ph5 Rel-19 CR0166R- Cat C* |
| CR | [S1-233351](file:///E:\TSGS1_104_Chicago\Docs\S1-233351.zip) | UIC | 22.280v19.3.0 Update of recording and audit requirements for railways | | Revised to S1-233368 | | *WI FRMCS\_Ph5 Rel-19 CR0166R- Cat C*  Revision of S1-233204. |
| CR | [S1-233368](file:///E:\TSGS1_104_Chicago\docs\S1-233368.zip) | UIC | 22.280v19.3.0 Update of recording and audit requirements for railways | | Agreed | | *WI FRMCS\_Ph5 Rel-19 CR0166R- Cat C*  *Revision of S1-233204.*  Revision of S1-233351.  No void requirement but delete it as it was a mistake. |
| CR | [S1-233206](file:///E:\TSGS1_104_Chicago\Docs\S1-233206.zip) | UIC | 22.280v19.3.0 Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | | Revised to S1-233352 | | *WI FRMCS\_Ph5 Rel-19 CR0167R- Cat C* |
| CR | [S1-233352](file:///E:\TSGS1_104_Chicago\Docs\S1-233352.zip) | UIC | 22.280v19.3.0 Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | | Revised to S1-233369 | | *WI FRMCS\_Ph5 Rel-19 CR0167R- Cat C*  Revision of S1-233206. |
| CR | [S1-233369](file:///E:\TSGS1_104_Chicago\docs\S1-233369.zip) | UIC | 22.280v19.3.0 Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | | Agreed | | *WI FRMCS\_Ph5 Rel-19 CR0167R- Cat C*  *Revision of S1-233206.*  Revision of S1-233352. |
| CR | [S1-233208](file:///E:\TSGS1_104_Chicago\Docs\S1-233208.zip) | UIC | 22.280v19.3.0 Merging of MCX Service Ad hoc Group Emergency Alerts and Ad hoc Group Communications for railways | | Noted | | *WI FRMCS\_Ph5 Rel-19 CR0168R- Cat C* |
| CR | [S1-233205](file:///E:\TSGS1_104_Chicago\Docs\S1-233205.zip) | UIC | 22.179v19.1.0 Enhancement of multi-talker control due to updates of FRMCS functional requirements | | Revised to S1-233361 | | *WI FRMCS\_Ph5 Rel-19 CR0078R- Cat C* |
| CR | [S1-233361](file:///E:\TSGS1_104_Chicago\Docs\S1-233361.zip) | UIC | 22.179v19.1.0 Enhancement of multi-talker control due to updates of FRMCS functional requirements | | Revised to S1-233370 | | *WI FRMCS\_Ph5 Rel-19 CR0078R- Cat C*  Revision of S1-233205. |
| CR | [S1-233370](docs\S1-233370.zip) | UIC | 22.179v19.1.0 Enhancement of multi-talker control due to updates of FRMCS functional requirements | | Agreed | | *WI FRMCS\_Ph5 Rel-19 CR0078R- Cat C*  *Revision of S1-233205.*  Revision of S1-233361.  Increase counter. |
| CR | [S1-233223](file:///E:\TSGS1_104_Chicago\Docs\S1-233223.zip) | UIC, FirstNet | 22.261v19.4.0 Requirements on direct device connection for Critical Communications | | Revised to S1-233359 | | *WI FRMCS\_Ph5 Rel-19 CR0760R- Cat C* |
| CR | [S1-233359](file:///E:\TSGS1_104_Chicago\Docs\S1-233359.zip) | UIC, FirstNet | 22.261v19.4.0 Requirements on direct device connection for Critical Communications | | Noted | | *WI FRMCS\_Ph5 Rel-19 CR0760R- Cat C*  Revision of S1-233223. |
| AIML\_Ph2 | | | | | | | |
| 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: [TR22.876v19.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.876/22876-j10.zip)  Target completion date: SA#98 (03/2023)  Percentage completion: 100% | | | | | | | |
| AIML\_Ph2: AI/ML Model Transfer\_Phase2 [[SP-230514](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230514.zip)] | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Xu Yang (OPPO)  Target completion date: SA#102 (12/2023)  Percentage completion: 80% | | | | | | | |
| CR | [S1-233143](file:///E:\TSGS1_104_Chicago\Docs\S1-233143.zip) | OPPO | 22.261v19.4.0 TS.22.261\_Updating of functional requirements | | Revised to S1-233300 | | *WI AIML\_MT\_PH2 Rel-19 CR0745R- Cat F*  *Wrong format in reason for change* |
| CR | [S1-233300](file:///E:\TSGS1_104_Chicago\Docs\S1-233300.zip) | OPPO | 22.261v19.4.0 TS.22.261\_Updating of functional requirements | | Revised to S1-233344 | | *WI AIML\_MT\_PH2 Rel-19 CR0745R- Cat F*  *Wrong format in reason for change*  Revision of S1-233143. |
| CR | [S1-233344](file:///E:\TSGS1_104_Chicago\docs\S1-233344.zip) | OPPO | 22.261v19.4.0 TS.22.261\_Updating of functional requirements | | Agreed | | *WI AIML\_MT\_PH2 Rel-19 CR0745R- Cat F*  *Wrong format in reason for change*  *Revision of S1-233143.*  Revision of S1-233300. |
| 5GSAT\_Ph3 | | | | | | | |
| 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: [TR22.865v19.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.865/22865-j10.zip)  Target completion date: SA#99 (03/2023)  Percentage completion: 100% | | | | | | | |
| CR | [S1-233225](file:///E:\TSGS1_104_Chicago\Docs\S1-233225.zip) | Novamint | 22.865v19.1.0. Small editorial fixes to 22.865 | | Revised to S1-233472 | | *WI* FS\_5GSAT\_Ph3 *Rel-19 CR0006R- Cat D* |
| CR | [S1-233472](file:///E:\TSGS1_104_Chicago\Docs\S1-193472.zip) | Novamint | 22.865v19.1.0. Small editorial fixes to 22.865 | | Agreed | | *WI FS\_5GSAT\_Ph3 Rel-19 CR0006R- Cat D*  Revision of S1-233225. |
| 5GSAT\_Ph3: Satellite Access - Phase 3 [[SP-230516](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230516.zip)] | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Thierry Bérisot (Novamint), Xu Xia (China Telecom)  Target completion date: SA#102 (12/2023)  Percentage completion: 80% | | | | | | | |
| CR | [S1-233159](file:///E:\TSGS1_104_Chicago\Docs\S1-233159.zip) | CATT | 22.261v19.4.0 Add remaining consolidated requirements of Satellite Access | | Revised to S1-233573 | | *WI* 5GSAT\_Ph3 *Rel-19 CR0747R- Cat B* |
| CR | [S1-233573](file:///E:\TSGS1_104_Chicago\Docs\S1-233573.zip) | CATT | 22.261v19.4.0 Add remaining consolidated requirements of Satellite Access | | Revised to S1-233590 | | *WI 5GSAT\_Ph3 Rel-19 CR0747R- Cat B*  Revision of S1-233159. |
| CR | [S1-233590](file:///E:\TSGS1_104_Chicago\Docs\S1-233590.zip) | CATT | 22.261v19.4.0 Add remaining consolidated requirements of Satellite Access | | Agreed | | *WI 5GSAT\_Ph3 Rel-19 CR0747R- Cat B*  *Revision of S1-233159.*  Revision of S1-233573.  Fix format of note. Delete carriage return after second note. |
| CR | [S1-233176](file:///E:\TSGS1_104_Chicago\Docs\S1-233176.zip) | Novamint | 22.261v19.4.0 Add Satellite requirements to TS 22.261 | | Merged into 3473 | | *WI* 5GSAT\_Ph3 *Rel-19 CR0749R- Cat B*  Subject to regulatory requirements and operator’s policy, a 5G system with satellite access supporting S&F Satellite operation shall be able to support a mechanism to configure and provision specific store and forward QoS and policies for a UE (e.g. forwarding priority, acknowledgment policy). |
| UAV\_Ph3 | | | | | | | |
| 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: [TR22.843v19.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.843/22843-j10.zip)  Target completion date: SA#100 (06/2023)  Percentage completion: 100% | | | | | | | |
| CR | [S1-233081](file:///E:\TSGS1_104_Chicago\Docs\S1-233081.zip) | Huawei | 22.843v19.1.0 Editorial table alignment in clause 6.1 of TR 22.843 | | Merged 3456 | | *WI*  *Rel-19 CR0006R- Cat D* |
| CR | [S1-233125](file:///E:\TSGS1_104_Chicago\Docs\S1-233125.zip) | China Mobile | 22.843v19.1.0 CPR alignment with agreed CR for 22125 | | Revised to S1-233456 | | *WI*  *Rel-19 CR0007R- Cat B*  *Remove <> from CR number* |
| CR | [S1-233456](file:///E:\TSGS1_104_Chicago\Docs\S1-233456.zip) | China Mobile | 22.843v19.1.0 CPR alignment with agreed CR for 22125 | | Revised to S1-233469 | | *WI FS\_UAV\_Ph3 Rel-19 CR0007R- Cat B*  *Remove <> from CR number*  Revision of S1-233125. |
| CR | [S1-233469](file:///E:\TSGS1_104_Chicago\docs\S1-233469.zip) | China Mobile | 22.843v19.1.0 CPR alignment with agreed CR for 22125 | | Agreed | | *WI FS\_UAV\_Ph3 Rel-19 CR0007R- Cat B*  *Remove <> from CR number*  *Revision of S1-233125.*  Revision of S1-233456. |
| CR | [S1-233189](file:///E:\TSGS1_104_Chicago\Docs\S1-233189.zip) | Nokia, Nokia Shanghai Bell | 22.843v19.1.0 Term update in use case 5.3 Geofencing for Visual Line-of-Sight UAV missions | | Agreed | | *WI*  *Rel-19 CR0008R- Cat D*  No presentation |
| UAV\_Ph3: Uncrewed Aerial System Phase 3 [[SP-230518](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230518.zip)] | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Pengtai Qin (China Mobile)  Target completion date: SA#102 (12/2023)  Percentage completion: 80% | | | | | | | |
| CR | [S1-233082](file:///E:\TSGS1_104_Chicago\Docs\S1-233082.zip) | Huawei | 22.125v19.0.0 5GS to UTM exposure of location | | Noted | | *WI*  *Rel-19 CR0048R- Cat B* |
| CR | [S1-233132](file:///E:\TSGS1_104_Chicago\Docs\S1-233132.zip) | China Mobile | 22.125v19.0.0 Additional Requirements for Remote Identification of UAS and UTM assistance requirements | | Revised to S1-233457 | | *WI*  *Rel-19 CR0049R1 Cat B*  *Why rev1?* |
| CR | [S1-233457](file:///E:\TSGS1_104_Chicago\Docs\S1-233457.zip) | China Mobile | 22.125v19.0.0 Additional Requirements for Remote Identification of UAS and UTM assistance requirements | | Revised to S1-233470 | | *WI UAV\_Ph3 Rel-19 CR0049R1 Cat B*  *Why rev1?*  Revision of S1-233132. |
| CR | [S1-233470](file:///E:\TSGS1_104_Chicago\Docs\S1-193470.zip) | China Mobile | 22.125v19.0.0 Additional Requirements for Remote Identification of UAS and UTM assistance requirements | | Agreed | | *WI UAV\_Ph3 Rel-19 CR0049R1 Cat B*  *Why rev1?*  *Revision of S1-233132.*  Revision of S1-233457.  [R-5.1-020] Based on operator and UTM’s policy, the 5G system shall be able to provide UTM with an airbourne UE’s location and 3GPP identity to fulfil the UTM’s request.  NOTE 6: The 3GPP identity and UE location is expected to be used by the UTM to determine the position of airbourne objects containing the UE. |
| CR | [S1-233191](file:///E:\TSGS1_104_Chicago\Docs\S1-233191.zip) | Nokia, Nokia Shanghai Bell | 22.125v19.0.0 Move requirement from UAV safety to flight path and zones management | | Revised to S1-233458 | | *WI*  *Rel-19 CR0050R- Cat F* |
| CR | [S1-233458](file:///E:\TSGS1_104_Chicago\Docs\S1-193458.zip) | Nokia, Nokia Shanghai Bell | 22.125v19.0.0 Move requirement from UAV safety to flight path and zones management | | Agreed | | *WI UAV\_Ph3 Rel-19 CR0050R- Cat F*  Revision of S1-233191. |
| DualSteer | | | | | | | |
| 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: TR22.841v2.1.0 (To be uploaded)  Target completion date: SA#100 (06/2023)  Percentage completion: 95% | | | | | | | |
| Cont | [S1-233033](file:///E:\TSGS1_104_Chicago\Docs\S1-233033.zip) | THALES, Novamint, Eutelsat | Clarifications to the Use Case on NTN-based dual 3GPP access | | Revised to S1-233301 | |  |
| Cont | [S1-233301](file:///E:\TSGS1_104_Chicago\Docs\S1-233301.zip) | THALES, Novamint, Eutelsat | Clarifications to the Use Case on NTN-based dual 3GPP access | | Revised to S1-233348 | | Revision of S1-233033. |
| Cont | [S1-233348](file:///E:\TSGS1_104_Chicago\docs\S1-233348.zip) | THALES, Novamint, Eutelsat | Clarifications to the Use Case on NTN-based dual 3GPP access | | Agreed | | *Revision of S1-233033.*  Revision of S1-233301.  Clause 6 of requirements will remain the original. No changes on the reqs. from the TR. |
| Cont | [S1-233068](file:///E:\TSGS1_104_Chicago\Docs\S1-233068.zip) | KDDI Corporation, China Telecom | Discussion on scenarios and modes for Rel-19 SA1 Dualsteer | | Noted | |  |
| Cont | [S1-233142](file:///E:\TSGS1_104_Chicago\Docs\S1-233142.zip) | OPPO | Discussion on Dual Steer TN-TN requirement | | Noted | |  |
| Cont | [S1-233174](file:///E:\TSGS1_104_Chicago\Docs\S1-233174.zip) | Vodafone | Connected mode PLMN search as solution to many Dual Steer use cases | | Noted | |  |
| Cont | [S1-233175](file:///E:\TSGS1_104_Chicago\Docs\S1-233175.zip) | Vodafone | Single subscription with dual SUPI/IMSI, and, Fast PLMN reselection as way forwards for Dual Steer use cases | | Noted | |  |
| Cont | [S1-233105](file:///E:\TSGS1_104_Chicago\Docs\S1-233105.zip) | Qualcomm | FS\_DualSteer\_CPR proposal | | Revised to S1-233338 | |  |
| Cont | [S1-233338](file:///E:\TSGS1_104_Chicago\docs\S1-233338.zip) | Qualcomm | FS\_DualSteer\_CPR proposal | | Revised to S1-233346 | | Revision of S1-233105. |
| Cont | [S1-233346](file:///E:\TSGS1_104_Chicago\docs\S1-233346.zip) | Qualcomm | FS\_DualSteer\_CPR proposal | | Agreed | | *Revision of S1-233105.*  Revision of S1-233338. |
| Cont | [S1-233179](file:///E:\TSGS1_104_Chicago\Docs\S1-233179.zip) | Huawei, Mediatek, Hispasat | FS-DualSteer\_CPR proposal way forward | | Revised to S1-233303 | |  |
| Cont | [S1-233303](file:///E:\TSGS1_104_Chicago\Docs\S1-233303.zip) | Huawei, Mediatek | FS-DualSteer\_CPR proposal way forward | | Noted | | Revision of S1-233179. |
| Cont | [S1-233182](file:///E:\TSGS1_104_Chicago\Docs\S1-233182.zip) | Huawei, MediaTek, Hispasat | Proposal of the Potential way forward - SA1 Dualsteer | | Revised to S1-233302 | |  |
| Cont | [S1-233302](file:///E:\TSGS1_104_Chicago\Docs\S1-233302.zip) | Huawei, MediaTek | Proposal of the Potential way forward - SA1 Dualsteer | | Noted | | Revision of S1-233182.  Remove Hispasat |
| Cont | [S1-233316](file:///E:\TSGS1_104_Chicago\Docs\S1-233316.zip) | Qualcomm | DualSteer\_ proposal | | Revised to S1-233333 | |  |
| Cont | [S1-233333](file:///E:\TSGS1_104_Chicago\Docs\S1-233333.zip) | Qualcomm | DualSteer\_ proposal | | Revised to S1-233334 | | Revision of S1-233316.2 |
| Cont | [S1-233334](file:///E:\TSGS1_104_Chicago\Docs\S1-233334.zip) | Qualcomm | DualSteer\_ proposal | | Noted | | *Revision of S1-233316.2*  Revision of S1-233333. |
| DualSteer | | | | | | | |
| DualSteer Output | | | | | | | |
| TR | [S1-233226](file:///E:\TSGS1_104_Chicago\Docs\S1-233226.zip) | Qualcomm | | TR cover sheet | | Agreed |  |
| TR | [S1-233259](docs\S1-233259.zip) | Rapporteur (Qualcomm) | | TR 22.841v2.2.0 Study on Upper layer traffic steering, switching and split over dual 3GPP access | | Agreed | First draft by Tuesday 28th 23:00 UTC  Comments till Thursday 30st 23:00 UTC  Final version by Friday 1st 23:00 UTC |
| EnergyServ | | | | | | | |
| 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: [TR22.882v19.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.882/22882-j10.zip)  Target completion date: SA#99 (13/2023)  Percentage completion: 95% | | | | | | | |
| CR | [S1-233116](file:///E:\TSGS1_104_Chicago\Docs\S1-233116.zip) | China Mobile | 22.882v19.1.0 Consolidation requirements update with leftover PRs | | Revised to S1-233451 | | *WI* FS\_EnergyServ *Rel-19 CR0009R- Cat B* |
| CR | [S1-233451](file:///E:\TSGS1_104_Chicago\Docs\S1-233451.zip) | China Mobile | 22.882v19.1.0 Consolidation requirements update with leftover PRs | | Revised to S1-233465 | | *WI FS\_EnergyServ Rel-19 CR0009R- Cat B*  Revision of S1-233116.  “Subject to user consent, operator policy and regulatory requirements, the 5G system shall be able to provide means to operate part or the whole network according to energy consumption requirements, which may be based on subscription policies or requested by an authorized 3rd party” |
| CR | [S1-233465](file:///E:\TSGS1_104_Chicago\Docs\S1-193465.zip) | China Mobile | 22.882v19.1.0 Consolidation requirements update with leftover PRs | | Agreed | | *WI FS\_EnergyServ Rel-19 CR0009R- Cat B*  *Revision of S1-233116.*  *“Subject to user consent, operator policy and regulatory requirements, the 5G system shall be able to provide means to operate part or the whole network according to energy consumption requirements, which may be based on subscription policies or requested by an authorized 3rd party”*  Revision of S1-233451. |
| CR | [S1-233141](file:///E:\TSGS1_104_Chicago\Docs\S1-233141.zip) | ZTE | 22.882v19.1.0 EE info.exposure CPR update | | Revised to S1-233450 | | *WI* FS\_EnergyServ *Rel-19 CR0010R- Cat F* |
| CR | [S1-233450](file:///E:\TSGS1_104_Chicago\Docs\S1-233450.zip) | ZTE | 22.882v19.1.0 EE info.exposure CPR update | | Agreed | | *WI FS\_EnergyServ Rel-19 CR0010R- Cat F*  Revision of S1-233141. |
| EnergyServ: Energy Efficiency as service criteria [[SP-230520](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230520.zip)] | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Xiaonan Shi, (China Mobile)  Target completion date: SA#99 (13/2023)  Percentage completion: 75% | | | | | | | |
| CR | [S1-233137](file:///E:\TSGS1_104_Chicago\Docs\S1-233137.zip) | ZTE | 22.261v.19.4.0 Update EE related terms in section 3.1 | | Revised to S1-233452 | | *WI* EnergyServ *Rel-19 CR0742R- Cat B* |
| CR | [S1-233452](file:///E:\TSGS1_104_Chicago\Docs\S1-233452.zip) | ZTE | 22.261v.19.4.0 Update EE related terms in section 3.1 | | Agreed | | *WI EnergyServ Rel-19 CR0742R- Cat B*  Revision of S1-233137.  No presentation |
| CR | [S1-233115](file:///E:\TSGS1_104_Chicago\Docs\S1-233115.zip) | China Mobile, Nokia, Nokia Shanghai Bell, Samsung | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with agreed CPRs | | Revised to S1-233453 | | *WI* EnergyServ *Rel-19 CR0740R- Cat B* |
| CR | [S1-233453](file:///E:\TSGS1_104_Chicago\Docs\S1-233453.zip) | China Mobile, Nokia, Nokia Shanghai Bell, Samsung | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with agreed CPRs | | Revised to S1-233467 | | *WI EnergyServ Rel-19 CR0740R- Cat B*  Revision of S1-233115.  No presentation |
| CR | [S1-233467](file:///E:\TSGS1_104_Chicago\Docs\S1-233467.zip) | China Mobile, Nokia, Nokia Shanghai Bell, Samsung | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with agreed CPRs | | Revised to S1-193471 | | *WI EnergyServ Rel-19 CR0740R- Cat B*  *Revision of S1-233115.*  *“do a clean-up version”*  Revision of S1-233453. |
| CR | [S1-193471](file:///E:\TSGS1_104_Chicago\Docs\S1-193471.zip) | China Mobile, Nokia, Nokia Shanghai Bell, Samsung | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with agreed CPRs | | Agreed | | *WI EnergyServ Rel-19 CR0740R- Cat B*  *Revision of S1-233115.*  *“do a clean-up version”*  *Revision of S1-233453.*  Revision of S1-233467.  “accept the format” |
| CR | [S1-233117](file:///E:\TSGS1_104_Chicago\Docs\S1-233117.zip) | China Mobile | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with newly agreed CPRs | | Revised to S1-233454 | | *WI* EnergyServ *Rel-19 CR0741R- Cat B* |
| CR | [S1-233454](file:///E:\TSGS1_104_Chicago\Docs\S1-233454.zip) | China Mobile | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with newly agreed CPRs | | Revised to S1-233468 | | *WI EnergyServ Rel-19 CR0741R- Cat B*  Revision of S1-233117.  Align with 3465 |
| CR | [S1-233468](file:///E:\TSGS1_104_Chicago\Docs\S1-193468.zip) | China Mobile | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with newly agreed CPRs | | Agreed | | *WI EnergyServ Rel-19 CR0741R- Cat B*  *Revision of S1-233117.*  Revision of S1-233454.  Align with 3465 |
| CR | [S1-233138](file:///E:\TSGS1_104_Chicago\Docs\S1-233138.zip) | ZTE | 22.261v.19.4.0 Update EE monitoring in section 6.15a.4.2 | | merged into 3453 | | *WI* EnergyServ *Rel-19 CR0743R- Cat B* |
| CR | [S1-233140](file:///E:\TSGS1_104_Chicago\Docs\S1-233140.zip) | ZTE | 22.261v.19.4.0 Update the EE info. exposure in 6.15a.5.2 section | | Revised to S1-233455 | | *WI* EnergyServ *Rel-19 CR0744R- Cat B* |
| CR | [S1-233455](file:///E:\TSGS1_104_Chicago\Docs\S1-233455.zip) | ZTE | 22.261v.19.4.0 Update the EE info. exposure in 6.15a.5.2 section | | merged into 3467 | | *WI EnergyServ Rel-19 CR0744R- Cat B*  Revision of S1-233140.  “Subject to operator’s policy,agreement with 3rd party and consent by the customer, the 5G system shall be able to expose the network performance statistic information (e.g. the data rate, packet delay and packet loss) together with energy consumption information resulting from service provided to the customer, to the authorized third party, related to the same time interval e.g. hourly or daily.  ” content is agreed and merged into 3467 |
| 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: [TR22.916v0.5.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.916/22916-050.zip)  Target completion date: SA#99 (03/2023)  Percentage completion: 90% | | | | | | | |
| Cont | [S1-233092](file:///E:\TSGS1_104_Chicago\Docs\S1-233092.zip) | LG Electronics | SOBOT TR Overview | | Revised to S1-233356 | |  |
| Cont | [S1-233356](file:///E:\TSGS1_104_Chicago\Docs\S1-233356.zip) | LG Electronics | SOBOT TR Overview | | Agreed | | Revision of S1-233092. |
| Cont | [S1-233093](file:///E:\TSGS1_104_Chicago\Docs\S1-233093.zip) | LG Electronics | SOBOT Deployment scenarios | | Revised to S1-233357 | |  |
| Cont | [S1-233357](file:///E:\TSGS1_104_Chicago\Docs\S1-233357.zip) | LG Electronics | SOBOT Deployment scenarios | | Revised to S1-233363 | | Revision of S1-233093. |
| Cont | [S1-233363](file:///E:\TSGS1_104_Chicago\Docs\S1-233363.zip) | LG Electronics | SOBOT Deployment scenarios | | Agreed | | *Revision of S1-233093.*  Revision of S1-233357. |
| Cont | [S1-233094](file:///E:\TSGS1_104_Chicago\Docs\S1-233094.zip) | LG Electronics | SOBOT Related features and aspects from existing studies/works | | Revised to S1-233358 | |  |
| Cont | [S1-233358](file:///E:\TSGS1_104_Chicago\Docs\S1-233358.zip) | LG Electronics | SOBOT Related features and aspects from existing studies/works | | Agreed | | Revision of S1-233094. |
| Cont | [S1-233095](file:///E:\TSGS1_104_Chicago\Docs\S1-233095.zip) | LG Electronics | SOBOT 5.8 Addressing terminology and EN | | Revised to S1-233354 | |  |
| Cont | [S1-233354](file:///E:\TSGS1_104_Chicago\Docs\S1-233354.zip) | LG Electronics | SOBOT 5.8 Addressing terminology and EN | | Agreed | | Revision of S1-233095. |
| Cont | [S1-233096](file:///E:\TSGS1_104_Chicago\Docs\S1-233096.zip) | LG Electronics | SOBOT Annex - Robotic Process Automation architecture example | | Noted | |  |
| Cont | [S1-233097](file:///E:\TSGS1_104_Chicago\Docs\S1-233097.zip) | LG Electronics | SOBOT Pseudo-CR on update to clause 5.1.3 | | Revised to S1-233355 | |  |
| Cont | [S1-233355](file:///E:\TSGS1_104_Chicago\Docs\S1-233355.zip) | LG Electronics | SOBOT Pseudo-CR on update to clause 5.1.3 | | Agreed | | Revision of S1-233097. |
| Cont | [S1-233098](file:///E:\TSGS1_104_Chicago\Docs\S1-233098.zip) | LG Electronics | SOBOT Editorial clean-up | | Revised to S1-233362 | |  |
| Cont | [S1-233362](file:///E:\TSGS1_104_Chicago\Docs\S1-233362.zip) | LG Electronics | SOBOT Editorial clean-up | | Agreed | | Revision of S1-233098. |
| Cont | [S1-233192](file:///E:\TSGS1_104_Chicago\Docs\S1-233192.zip) | Nokia, Nokia Shanghai Bell | Update on 6.1 TACMM aspects related to robot applications | | Agreed | |  |
| Cont | [S1-233365](file:///E:\TSGS1_104_Chicago\docs\S1-233365.zip) | LG Electronics | Conclusion section | | Revised to S1-233366 | |  |
| Cont | [S1-233366](file:///E:\TSGS1_104_Chicago\docs\S1-233366.zip) | LG Electronics | Conclusion section | | Agreed | | Revision of S1-233365. |
| FS\_SOBOT Output | | | | | | | |
| TR | [S1-233260](docs\S1-233260.zip) | Rapporteur (LGE) | | TR22.916 cover sheet for one step approval | | Agreed |  |
| TR | [S1-233261](docs\S1-233261.zip) | Rapporteur (LGE) | | TR 22.916v0.6.0 Study on Network of Service Robots with Ambient Intelligence | | Agreed | First draft by Tuesday 28th 23:00 UTC  Comments till Thursday 30st 23:00 UTC  Final version by Friday 1st 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: [TR22.848v0.2.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.848/22848-020.zip)  Target completion date: SA#102 (12/2023)  Percentage completion: 60% | | | | | | | |
| Cont | [S1-233060](file:///E:\TSGS1_104_Chicago\Docs\S1-233060.zip) | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements | | Revised to S1-233463 | |  |
| Cont | [S1-233463](file:///E:\TSGS1_104_Chicago\Docs\S1-233463.zip) | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements | | Revised to S1-233473 | | Revision of S1-233060. |
| Cont | [S1-233473](file:///E:\TSGS1_104_Chicago\Docs\S1-193473.zip) | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements | | Revised to S1-233475 | | *Revision of S1-233060.*  Revision of S1-233463. |
| Cont | [S1-233475](file:///E:\TSGS1_104_Chicago\Docs\S1-233475.zip) | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements | | Revised to S1-233480 | | *Revision of S1-233060.*  *Revision of S1-233463.*  Revision of S1-233473. |
| Cont | [S1-233480](file:///E:\TSGS1_104_Chicago\docs\S1-233480.zip) | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements | | Agreed | | *Revision of S1-233060.*  *Revision of S1-233463.*  *Revision of S1-233473.*  Revision of S1-233475.  Clean changes on changes. Clean document. |
| Cont | [S1-233063](file:///E:\TSGS1_104_Chicago\Docs\S1-233063.zip) | Intel, Cisco Systems, Novamint | On consolidation of FS\_ISN service requirements | | Noted | |  |
| Cont | [S1-233197](file:///E:\TSGS1_104_Chicago\Docs\S1-233197.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a ship and in a port | | Revised to S1-233280 | |  |
| Cont | [S1-233280](file:///E:\TSGS1_104_Chicago\Docs\S1-233280.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a ship and in a port | | Revised to S1-233459 | | Revision of S1-233197. |
| Cont | [S1-233459](file:///E:\TSGS1_104_Chicago\Docs\S1-233459.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a ship and in a port | | Noted | | *Revision of S1-233197.*  Revision of S1-233280. |
| Cont | [S1-233198](file:///E:\TSGS1_104_Chicago\Docs\S1-233198.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a port with multiple terminals | | Revised to S1-233281 | |  |
| Cont | [S1-193281](file:///E:\TSGS1_104_Chicago\Docs\S1-233281.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a port with multiple terminals | | Revised to S1-233460 | | Revision of S1-233198. |
| Cont | [S1-233460](file:///E:\TSGS1_104_Chicago\Docs\S1-193460.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a port with multiple terminals | | Noted | | *Revision of S1-233198.*  Revision of S1-193281. |
| Cont | [S1-233199](file:///E:\TSGS1_104_Chicago\Docs\S1-233199.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between Airports’ SNPNs | | Revised to S1-233282 | |  |
| Cont | [S1-193282](file:///E:\TSGS1_104_Chicago\Docs\S1-233282.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between Airports’ SNPNs | | Revised to S1-233461 | | Revision of S1-233199. |
| Cont | [S1-233461](file:///E:\TSGS1_104_Chicago\Docs\S1-193461.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between Airports’ SNPNs | | Noted | | *Revision of S1-233199.*  Revision of S1-193282. |
| Cont | [S1-233200](file:///E:\TSGS1_104_Chicago\Docs\S1-233200.zip) | NOVAMINT, b-com, EDF | Consolidated requirements for TR 22.848 | | Revised to S1-233462 | |  |
| Cont | [S1-233462](file:///E:\TSGS1_104_Chicago\Docs\S1-233462.zip) | NOVAMINT, b-com, EDF | Consolidated requirements for TR 22.848 | | Noted | | Revision of S1-233200. |
| Cont | [S1-233211](file:///E:\TSGS1_104_Chicago\Docs\S1-233211.zip) | NOVAMINT, b-com, EDF | Conclusion for TR 22.848 | | Revised to S1-233476 | |  |
| Cont | [S1-233476](file:///E:\TSGS1_104_Chicago\Docs\S1-233476.zip) | NOVAMINT, b-com, EDF | Conclusion for TR 22.848 | | Noted | | Revision of S1-233211. |
| Cont | [S1-233061](file:///E:\TSGS1_104_Chicago\Docs\S1-233061.zip) | Intel, Cisco Systems, Novamint | New mini-WID on Scalable Interconnect of SNPN | | Moved to 4 | |  |
| Cont | [S1-233062](file:///E:\TSGS1_104_Chicago\Docs\S1-233062.zip) | Intel, Cisco Systems, Novamint | 22.261v Service requirements for Scalable SNPN Interconnect with dynamic connections | | Moved to 4 | |  |
| FS\_ISN Output | | | | | | | |
| TR | [S1-233479](file:///E:\TSGS1_104_Chicago\docs\S1-233479.zip) | Rapporteur (Novamint) | Exception sheet for TR 22.848 | | Revised to S1-233481 | | Revision of S1-233211. |
| TR | [S1-233481](file:///E:\TSGS1_104_Chicago\docs\S1-233481.zip) | Rapporteur (Novamint) | Exception sheet for TR 22.848 | | Agreed | | *Revision of S1-233211.*  Revision of S1-233479. |
| TR | S1-233262 | Rapporteur (Novamint) | | TR22.848 cover sheet for on step approval | | Withdrawn |  |
| TR | S1-233263 | Rapporteur (Novamint) | | TR22.848 Study on Interconnect of SNPN | | Agreed | First draft by Tuesday 28th 23:00 UTC  Comments till Thursday 30st 23:00 UTC  Final version by Friday 1st 23:00 UTC |
| Other Rel-19 contributions (e.g. CRs to clean studies completed, CRs to MiniWIDs still opened) | | | | | | | |
| CR | [S1-233099](file:///E:\TSGS1_104_Chicago\Docs\S1-233099.zip) | FirstNet, AT&T, SyncTechno, Inc., The Netherlands Police, Apple, Softil, Suomen Erillisverkot Oy, Nkom, Ministere de l'Interieur, UK Home Office, Motorola Solutions, UIC | 22.261v19.4.0 KPI Requirements for UE to UE Relay | | Revised to S1-233360 | | *WI* TEI19 *Rel-19 CR0738R- Cat B* |
| CR | [S1-233360](file:///E:\TSGS1_104_Chicago\Docs\S1-233360.zip) | FirstNet, AT&T, SyncTechno, Inc., The Netherlands Police, Apple, Softil, Suomen Erillisverkot Oy, Nkom, Ministere de l'Interieur, UK Home Office, Motorola Solutions, UIC | 22.261v19.4.0 KPI Requirements for UE to UE Relay | | Revised to S1-233364 | | *WI TEI19 Rel-19 CR0738R- Cat B*  Revision of S1-233099. |
| CR | [S1-233364](file:///E:\TSGS1_104_Chicago\Docs\S1-233364.zip) | FirstNet, AT&T, SyncTechno, Inc., The Netherlands Police, Apple, Softil, Suomen Erillisverkot Oy, Nkom, Ministere de l'Interieur, UK Home Office, Motorola Solutions, UIC | 22.261v19.4.0 KPI Requirements for UE to UE Relay | | Agreed | | *WI TEI19 Rel-19 CR0738R- Cat B*  *Revision of S1-233099.*  Revision of S1-233360. |
| CR | [S1-233169](file:///E:\TSGS1_104_Chicago\Docs\S1-233169.zip) | Nokia, Nokia Shanghai Bell | 22.261v19.4.0 CR on Indirect Network Sharing cleanup | | Revised to S1-233279 | | *WI* TEI19 *Rel-19 CR0748R- Cat D* |
| CR | [S1-233279](file:///E:\TSGS1_104_Chicago\Docs\S1-233279.zip) | Nokia, Nokia Shanghai Bell | 22.261v19.4.0 CR on Indirect Network Sharing cleanup | | Agreed | | *WI TEI19 Rel-19 CR0748R- Cat D*  Revision of S1-233169.  *Other spec NO, and clauses affected filled in* |
| Cont | [S1-233085](file:///E:\TSGS1_104_Chicago\Docs\S1-233085.zip) | TELECOM ITALIA. | Roaming Value-Added Services offered by a dedicated RVAS Provider | | Withdrawn | |  |
| Cont | [S1-233064](file:///E:\TSGS1_104_Chicago\Docs\S1-233064.zip) | KDDI | Discussion on scenarios and modes for Rel-19 SA1 Dualsteer | | Withdrawn | |  |
|  | [S1-233025](file:///E:\TSGS1_104_Chicago\Docs\S1-233025.zip) | one2many | Duplication Detection based on content | | Moved to 4 | |  |
|  | [S1-233026](file:///E:\TSGS1_104_Chicago\Docs\S1-233026.zip) | one2many | Discussion Paper on duplication detection | | Moved to 4 | |  |
|  | [S1-233029](file:///E:\TSGS1_104_Chicago\Docs\S1-233029.zip) | one2many | MiniWID on Duplication Detection | | Moved to 4 | |  |
|  | [S1-233196](file:///E:\TSGS1_104_Chicago\Docs\S1-233196.zip) | Orange | Add requirements on Timestamp Information Exposure for critical IoT Applications | | Moved to 4 | |  |
| Other technical contributions | | | | | | | |
| Other non-technical contributions | | | | | | | |
| Cont | [S1-233157](file:///E:\TSGS1_104_Chicago\Docs\S1-233157.zip) | SyncTechno, Inc. | Task for Marine AtoN over IMT-2030 within IALA DTEC WG2 | | Noted | |  |
| Cont | [S1-233194](file:///E:\TSGS1_104_Chicago\Docs\S1-233194.zip) | Nokia, Nokia Shanghai Bell | Addressing KVIs in SA1 Rel-20 | | Revised to S1-2335484 | |  |
| Cont | [S1-233584](file:///E:\TSGS1_104_Chicago\Docs\S1-233584.zip) | Nokia, Nokia Shanghai Bell | Addressing KVIs in SA1 Rel-20 | | Noted | | Revision of S1-233194. |
| Work Item/Study Item progress | | | | | | | |
| Session information outputs | | | | | | | |
| REP | [S1-233500](file:///E:\TSGS1_104_Chicago\Docs\S1-233500.zip) | Session Chair | Sensing drafting report | | Agreed | |  |
| REP | [S1-233501](file:///E:\TSGS1_104_Chicago\Docs\S1-233501.zip) | Session Chair | Ambient IoT drafting report | | Agreed | |  |
| REP | [S1-233502](file:///E:\TSGS1_104_Chicago\Docs\S1-233502.zip) | Session Chair | Metaverse drafting report | | Agreed | | 3434 is kept open. |
| REP | [S1-233503](file:///E:\TSGS1_104_Chicago\Docs\S1-233503.zip) | Session Chair | EnergyServ + UAV drafting report | | Agreed | |  |
| REP | [S1-233504](file:///E:\TSGS1_104_Chicago\Docs\S1-233504.zip) | Session Chair | ISN + Sat5G drafting report | | Agreed | |  |
| REP | [S1-233505](E:\\TSGS1_104_Chicago\\Docs\\S1-233505.zip) | Session Chair | DualSteer + AIML\_Ph2 drafting report | | Agreed | |  |
| REP | [S1-233506](file:///E:\TSGS1_104_Chicago\Docs\S1-233506.zip) | Session Chair | SOBOT +FRMCS drafting report | | Agreed | |  |
| Work Item/Study Item status update | | | | | | | |
| REP | [S1-233507](file:///E:\TSGS1_104_Chicago\Docs\S1-233507.zip) | Deutsche Telekom | Sensing – Status report | | Noted | | 100% |
| REP | [S1-233508](file:///E:\TSGS1_104_Chicago\Docs\S1-233508.zip) | OPPO | AmbientIoT – Status report | | Noted | | 95% |
| REP | [S1-233509](file:///E:\TSGS1_104_Chicago\Docs\S1-233509.zip) | Samsung | Metaverse – Status report | | Noted | | 100% |
| REP | [S1-233510](file:///E:\TSGS1_104_Chicago\Docs\S1-233510.zip) | UIC | FRMCS\_Ph5 – Status report | | Noted | | 100% |
| REP | [S1-233511](file:///E:\TSGS1_104_Chicago\Docs\S1-233511.zip) | OPPO | AIML\_Ph2 – Status report | | Noted | | 100% |
| REP | [S1-233512](file:///E:\TSGS1_104_Chicago\Docs\S1-233512.zip) | Novamint | 5GSAT\_Ph3 – Status report | | Noted | | 100% |
| REP | [S1-233513](file:///E:\TSGS1_104_Chicago\Docs\S1-233513.zip) | China Mobile | UAV\_Ph3– Status report | | Noted | | 100% |
| REP | [S1-233514](file:///E:\TSGS1_104_Chicago\Docs\S1-233514.zip) | Qualcomm | FS\_DualSteer – Status report | | Noted | | 95% |
| REP | [S1-233515](file:///E:\TSGS1_104_Chicago\Docs\S1-233515.zip) | China Mobile | EnergieServ – Status report | | Noted | | 100% |
| REP | [S1-233516](file:///E:\TSGS1_104_Chicago\Docs\S1-233516.zip) | LGE | FS\_SOBOT – Status report | | Noted | | 100% |
| REP | [S1-233517](file:///E:\TSGS1_104_Chicago\Docs\S1-233517.zip) | Novamint | FS\_ISN – Status report | | Noted | | 65% |
| REP | [S1-233518](file:///E:\TSGS1_104_Chicago\Docs\S1-233518.zip) | China Telecom | Mini-WID NPNSel – Status report | | Withdrawn | |  |
| REP | [S1-233519](file:///E:\TSGS1_104_Chicago\Docs\S1-233519.zip) | NOVAMINT | Mini-WID NSS – Status report | | Withdrawn | |  |
| REP | [S1-233520](file:///E:\TSGS1_104_Chicago\Docs\S1-233520.zip) | Orange | Mini-WID TIE\_IoTAPP – Status report | | Noted | | 0% |
| REP | [S1-233521](file:///E:\TSGS1_104_Chicago\Docs\S1-233521.zip) | one2many | Mini-WID DUPDET – Status report | | Withdrawn | |  |
| Next meetings (calendar) | | | | | | | |
| **2024 meetings:**  SA1#105 26Feb -01 Mar 2024 Athens, Greece (Europe)  SA1#Workshop 8-10 May 2024 T.B.D. (Europe)  SA1#106 27-31 May 2024 Jeju (Korea)  SA1#107 19-23 Aug 2024 Maastricht, The Netherlands (Europe)  SA1#108 18-22 Nov 2024 Orlando (US) | | | | | | | |
| Any other business | | | | | | | |
| Close | | | | | | | |
| Close latest by 16:00 CET on Friday 17 November 2023 | | | | | | | |