**3GPP TSG-SA WG1 Meeting SA1#99-e S1-222001**

**Electronic Meeting, 22 August – 1 September 2022**

Title: 2nd Draft Agenda for SA1#99-e

Ag. Item: 1.2

Source: SA1 Chairperson

Contact: Jose Almodovar

Submission Guidelines

* **Submission deadlines:**
  1. Tdoc **number** and **CR number** requests:     **Friday,** 12 August 2022, 23:00 UTC
  2. Document **submission**:                                **Friday,** 12 August 2022, 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_97e_EM_Feb2022/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**

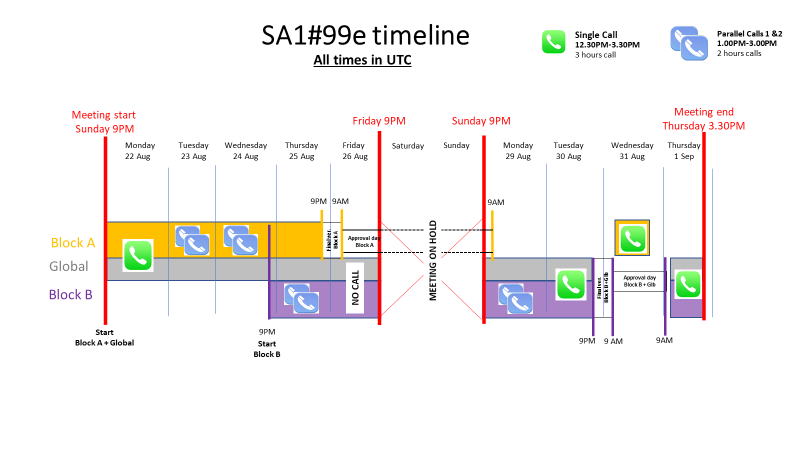
**Doc Type**: AGE (Agenda), CC (Incoming Liaison Statement Copied to SA1), Cont (Contribution), CR (Change request), , LS OUT(Outgoing Liaison Statement), TO (Incoming Liaison Statement To SA1), TR (Technical Report), TS (Technical Specification), REP (Report), WID (Work Item Description), WP (Work Plan)

**Conclusion**: Agreed, Approved, Revised to S1-22xxxx, Noted, Withdrawn, Moved to section xxx, Rejected, Postponed, Email Approval, Not Handled, Unallocated, Drafting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 S1-22xxxx |  |
| 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| CR | S1-19xxxx | Source | Title | Withdrawn |  |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 |  |

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| --- | --- | --- |
| **Global** | **Block A** | **Block B** |
| Reports (Sec. 2) | *FS\_Sensing* | *FS\_AmbientIoT* |
| LSs (Sec. 3) | *FS\_FRMCS\_Ph5* | *FS\_Metaverse* |
| WIDs (Sec. 4) | *FS\_DualSteer* | *FS\_NetShare* |
| Q.CR (Sec. 5) | *FS\_5GSAT\_Ph3* | *FS\_AIML\_Ph2* |
| Rel-17 and earlier (Sec.6) | *FS\_SOBOTS* | *FS\_UAV\_Ph3* |
| *FS\_RAILSS* |  | *FS\_RVAS* |
|  |  | *FS\_EnergyServ* |
|  |  |  |
| **Parallel calls** | | |
| **Date** | ***Call 1 (M:J.Almodovar)*** | ***Call 2 (M:Y.Nakano)*** |
| **Tuesday 23rd**  **Wednesday 24th** | *FS\_Sensing*  *FS\_SOBOTS* | *FS\_RAILSS*  *FS\_FRMCS\_Ph5*  *FS\_DualSteer*  *FS\_5GSAT\_Ph3* |
| **Thursday 25th**  **Monday 29th** | *FS\_NetShare*  *FS\_RVAS*  *FS\_EnergyServ*  *FS\_AIML\_Ph2*  *FS\_UAV\_Ph3* | *FS\_AmbientIoT*  *FS\_Metaverse* |

**SA1#99e Timeline & Blocks**



|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Opening of the meeting | | | | | | | | | | |
| Opening of the meeting at 21:00 UTC on Sunday 21 August 2022 | | | | | | | | | | |
| Guidelines e-meeting | | | | | | | | | | |
| Delegates can find the guidelines that will be followed during SA1#99e in the following link. | | | | | | | | | | |
| Agenda and scheduling | | | | | | | | | | [SA1#99e, Agenda] |
| AGE | | S1-222000 | | SA1 Chairperson | | Draft agenda for SA1#99e | | Revised to S1-222001 | |  |
| AGE | | [S1-222001](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222001.zip) | | SA1 Chairperson | | Agenda for SA1#99e | |  | | Revision of S1-222000. |
| 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 | | [S1-222004](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222004.zip) | | ETSI | | Draft minutes of SA1#98e | |  | |  |
| 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 | | | | | | | | | | |
| NWM | | | | | | | | | | |
| During SA1#99e, 4 discussions will take place in the tool NWM (<https://nwm-trial.etsi.org/>). Thread, questions/comments about the use of NWM [SA1#99e, NWM]  [SA1#99e, LS S1-222066] 🡪 <https://nwm-trial.etsi.org/#/documents/7953>  [SA1#99e, LS S1-222074] 🡪 <https://nwm-trial.etsi.org/#/documents/7960>  [SA1#99e, LS S1-222073] 🡪 <https://nwm-trial.etsi.org/#/documents/7964>  [SA1#99e, FS\_Sensing\_definitions] 🡪 <https://nwm-trial.etsi.org/#/documents/7966> | | | | | | | | | | |
| Reports and action items | | | | | | | | | | e-Thread: [SA1#99e, SA1\_Reports] |
| REP | | [S1-222007](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222007.zip) | | SA1 Chairperson | | SA1-related topics at SA#96e | | Noted | |  |
| REP | | [S1-222003](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222003.zip) | | SA1 Chairperson & ETSI MCC | | To be updated - incorrect timeline - Guidelines for SA1#99e (e-meeting) | | Noted | |  |
| REP | | [S1-222006](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222006.zip) | | ETSI MCC | | Work Plan presentation for SA1#99e | | Noted | |  |
| REP | | [S1-222259](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222259.zip) | | SA1 Chair | | Opening slides of SA1#99e | | Noted | | Just for info. |
| Guidelines | | | | | | | | | | |
| REP | | [S1-222008](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222008.zip) | | ETSI MCC | | MCC guidelines on CR Rules | | Noted | |  |
| REP | | [S1-222009](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222009.zip) | | ETSI MCC | | MCC guidelines on WID names | | Noted | |  |
| Liaison Statements (including related contributions) | | | | | | | | | | |
| 5GC information exposure to UE | | | | | | | | | | e-Thread: [SA1#99e, LS S1-222066] |
| TO | | [S1-222066](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222066.zip) | | S2-2205286 | | LS on 5GC information exposure to UE | |  | |  |
| TO | | [S1-222068](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222068.zip) | | S3-221621 | | LS reply on 5GC information exposure to UE | |  | |  |
| OUT | | [S1-222150](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222150.zip) | | OPPO | | Reply on 5GC information exposure to UE | | Noted | |  |
| Cont | | [S1-222151](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222151.zip) | | OPPO | | Concerning Reply LS on 5GC information exposure to UE | | Noted | |  |
| CR | | [S1-222253](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222253.zip) | | OPPO | | 22.261v18.6.1 Clarification on requirement related to 5GC information exposure to UE | | Noted | | *WI TEI18 Rel-18 CR*0654*R- Cat B* |
| Cont | | [S1-222264](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222264.zip) | | OPPO | | New Discussion on 5GC information exposure to UE” discussion | | Noted | |  |
| OUT | | [S1-222184](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222184.zip) | | China Mobile | | Reply LS on 5GC information exposure to UE | | Noted | |  |
| OUT | | [S1-222043](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222043r2.zip) | | NTT DOCOMO | | [DRAFT] Reply LS on 5GC information exposure to UE | |  | |  |
| Cont | | [S1-222255](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222255.zip) | | SA1 Chair | | Daily NWM report of [SA1#99e, LS S1-222066] - https://nwm-trial.etsi.org/#/documents/7953 | | Noted | |  |
| Support for managing slice for trusted third-party owned application | | | | | | | | | | e-Thread: [SA1#99e, LS S1-222267] |
| TO | | [S1-222074](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222074.zip) | | S6-221484 | | LS on Support for managing slice for trusted third-party owned application | | Replied into 2262 | | Waiting for SA6 reply. |
| Cont | | [S1-222251](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222251r1.zip) | | Deutsche Telekom | | Reply LS to S1-222074 | | Revised to S1-222262 | |  |
| Cont | | [S1-222262](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222262.zip) | | Deutsche Telekom | | Reply LS to S1-222074 | | Agreed | | Revision of S1-222251.  Same as r1 (accepting changes) |
| TO | | [S1-222266](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222266.zip) | | S6-222340 | | Reply LS on Reply LS on Support for managing slice for trusted third-party owned application | |  | |  |
| OUT | | [S1-222267](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222267.zip) | | Deutsche Telekom | | New response to Reply LS on Reply LS on Support for managing slice for trusted third-party owned application | |  | |  |
| OUT | | [S1-222189](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222189r1.zip) | | China Mobile | | Reply LS on Support for managing slice for trusted third-party owned application | |  | |  |
| CR | | [S1-222191](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222191r1.zip) | | China Mobile | | 22.261v18.6.1 CR Requirement on different SLA for different UEs within a slice | |  | | *WI - Rel-18 CR*0652*R- Cat B* |
| OUT | | [S1-222027](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222027r1.zip) | | Samsung | | [DRAFT] Reply LS on Support for managing slice for trusted third-party owned application | | Noted | |  |
| CR | | [S1-222029](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222029.zip) | | Samsung | | 22.261v18.6.1 Support for managing slice for trusted third-party owned application | | Noted | | *WI EASNS Rel-18 CR*0643*R- Cat F* |
| Cont | | [S1-222028](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222028.zip) | | Samsung | | Discussion on LS on Support for managing slice for trusted third-party owned application | | Noted | |  |
| Cont | | S1-222256 | | SA1 Chair | | Daily NWM report of [SA1#99e, LS S1-222074] - https://nwm-trial.etsi.org/#/documents/7960 | | Noted - New Document | | Orig and r1 available for info. |
| DN energy efficiency data analytics | | | | | | | | | | NWM: [SA1#99e, LS S1-222073] |
| TO | | [S1-222073](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222073.zip) | | S6-221347 | | LS on DN energy efficiency data analytics | | Postponed | |  |
| CC | | [S1-222071](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222071.zip) | | S5-224342 | | Reply LS on DN energy efficiency data analytics | | Postponed | |  |
| OUT | | [S1-222186](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222186.zip) | | China Mobile | | Reply LS on DN energy efficiency data analytics | | Noted | |  |
| Cont | | [S1-222257](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222257.zip) | | SA1 Chair | | Daily NWM report of [SA1#99e, LS S1-222073] - https://nwm-trial.etsi.org/#/documents/7964 | | Noted - New Document | |  |
| Issues Network Slice information delivery to a 3rd party | | | | | | | | | | NWM: [SA1#99e, LS S1-222072] |
| TO | | [S1-222072](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222072.zip) | | S6-220975 | | LS on Issues Network Slice information delivery to a 3rd party | | Noted | | Already answered during SA1#98e. |
| Proposed to Note | | | | | | | | | | e-Thread: [SA1#99e, LS ToNote] |
| TO | | [S1-222063](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222063.zip) | | R2-2206389 | | LS on GNSS integrity | | Noted | |  |
| TO | | [S1-222062](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222062.zip) | | LIAISE-531-Answer-to LS-520-03 | | Response to SP-220347: Alignment concerning 5G-RG requirements and its remote management | | Noted | |  |
| TO | | [S1-222075](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222075.zip) | | SG2-LS4-TD066-R2-P | | LS on initiation of new work item ITU-T TR.Carrier-Switching: Technical report on the carrier switching of SIM and e-sims for enterprises in M2M/IoT | | Noted | |  |
| CC | | [S1-222076](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222076.zip) | | UPG03\_107r3- Reply LS on multiparty Real-time Text \_RTT\_ inconference cal | | Reply LS on multiparty Real-time Text (RTT) in conference calling | | Noted | |  |
| CC | | [S1-222058](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222058.zip) | | C1-223991 | | Reply LS on multiparty Real-time Text (RTT) in conference calling | | Noted | |  |
| CC | | [S1-222059](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222059.zip) | | C1-224297 | | LS on the deactivation of access stratum due to discontinuous coverage | | Noted | |  |
| CC | | [S1-222060](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222060.zip) | | C4-223048 | | Reply LS on multiparty Real-time Text (RTT) in conference calling | | Noted | |  |
| CC | | [S1-222061](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222061.zip) | | C6-220305 | | LS on Satellite E-UTRAN on PLMN selector with Access Technology | | Noted | |  |
| CC | | [S1-222064](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222064.zip) | | S2-2204744 | | LS OUT on Indication of Network Assisted Positioning method | | Noted | |  |
| CC | | [S1-222065](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222065.zip) | | S2-2204962 | | LS on removal of “Indication of country of UE location” | | Noted | |  |
| CC | | [S1-222067](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222067.zip) | | S3-221254 | | Reply LS on Indication of Network Assisted Positioning method | | Noted | |  |
| CC | | [S1-222069](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222069.zip) | | S5-223516 | | Reply LS on Issues Network Slice information delivery to a 3rd party | | Noted | |  |
| CC | | [S1-222070](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222070.zip) | | S5-223521 | | LS Reply on network slice LCM consumption and use case | | Noted | |  |
| New Work Items (including related contributions, studies exceptionally) | | | | | | | | | | |
| Rel19 SIDs | | | | | | | | | | |
| Cont | | [S1-222160](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222160.zip) | | China Mobile | | Revised SID on UAV Phase 3 | | Agreed | | Moved from 7.9  2160r1 agreed (original dates in sect 5 and include rapporteur in sec5) |
| Mini-WIDs | | | | | | | | | | |
| PIN\_ph2 | | | | | | | | | | e-Thread: [SA1#99e, WID PIN\_ph2] |
| WID | | [S1-222050](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222050.zip) | | vivo | | New WID on Personal IoT Networks phase 2 | |  | | 2050r5 for approval day |
| CR | | [S1-222054](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222054.zip) | | vivo | | 22.101v18.4.0 Visiting a PIN after remote provisioning within home PIN | | Noted | | *WI PIN\_ph2 Rel-19 CR*0585*R- Cat B* |
| CR | | [S1-222260](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222260r5.zip) | | vivo | | 22.261v168.6.1 Visiting a PIN after remote provisioning within home PIN | |  | | *WI PIN\_ph2 Rel-19 CR*00655*R- Cat B*  *2260r6* for approval day |
| eNEC\_CIP | | | | | | | | | | e-Thread: [SA1#99e, WID eNEC\_CIP ] |
| WID | | [S1-222051](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222051.zip) | | vivo | | New WID on enhanced network exposure capability with critical information preserving | | Noted | | r1 uploaded |
| Cont | | [S1-222052](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222052.zip) | | vivo | | Discussion on enhanced network exposure capability with critical information preserving | | Noted | |  |
| CR | | [S1-222055](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222055.zip) | | vivo | | 22.101v18.4.0 Support for preserving critical information exposed to a 3rd party | | Noted | | *WI eNEC\_CIP Rel-19 CR*0586*R- Cat B* |
| CR | | [S1-222056](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222056.zip) | | vivo | | 22.261v18.6.1 Support for critical information exposed in a concealed way | | Noted | | *WI eNEC\_CIP Rel-19 CR*0644*R- Cat B* |
| MINT\_Ph2 | | | | | | | | | | e-Thread: [SA1#99e, WID MINT\_Ph2] |
| WID | | [S1-222080](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222080.zip) | | China Telecom | | New WID on Support for Minimization of Service Interruption during Core Network Failure | |  | | 2080r1 for approval day |
| Cont | | [S1-222081](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222081.zip) | | China Telecom | | Discussion on Support for Minimization of Service Interruption during Core Network Failure | | Noted | |  |
| CR | | [S1-222102](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222102r5.zip) | | China Telecom | | 22.261v18.6.1 New requirements on MINT\_Ph2 | |  | | *WI* MINT\_Ph2*Rel-19 CR*0645*R- Cat B*  *2102r6* for approval day |
| eCAT&CRS | | | | | | | | | | e-Thread: [SA1#99e, WID eCAT&CRS] |
| WID | | [S1-222085](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222085.zip) | | China Mobile | | enhanced Customized Alerting Tones and Customized Ringing Signal | | Noted | |  |
| Cont | | [S1-222086](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222086.zip) | | China Mobile | | Motivation of supporting 5G enhanced Customized Alerting Tones (CAT) and Customized Ringing Signal (CRS) | | Noted | |  |
| CR | | [S1-222087](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222087r1.zip) | | China Mobile | | 22.183v17.0.0 CRS user interface function component and message processing | | Noted | | *WI eCAT&CRS Rel-19 CR*0006*R- Cat B*  Wrong format in cover page |
| CR | | [S1-222088](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222088.zip) | | China Mobile | | 22.182v17.0.0 CAT user interface function component and message processing | | Noted | | *WI eCAT&CRS Rel-19 CR*0027*R- Cat B*  Wrong format in cover page |
| MPS4msg | | | | | | | | | | e-Thread: [SA1#99e, WID MPS4msg] |
| WID | | [S1-222092](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222092r1.zip) | | Peraton Labs | | New WID on MPS for Messaging services | |  | | 2092r2 for approval day |
| CR | | [S1-222093](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222093r1.zip) | | Peraton Labs | | 22.153v18.1.0 MPS for Messaging services | |  | | *WI MPS4msg Rel-19 CR*0056*R- Cat B*  *2093r2* for approval days |
| DTTB4MBS | | | | | | | | | | e-Thread: [SA1#99e, WID DTTB4MBS] |
| WID | | [S1-222133](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222133.zip) | | Saankhya Labs, IIT Bombay | | Usage of Non-3GPP DTT Broadcast Networks for Multicast/Broadcast Services (MBS) in 5GS | |  | | 2133r10 for approval day |
| CR | | [S1-222131](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222131r6.zip) | | Saankhya Labs, IIT Bombay, Hewlett-Packard Enterprise, Ligado Networks, One Media 3.0, Fraunhofer IIS, CEWiT, Tejas Networks, IIT Kanpur, IIT Madras, IIT Hyderabad, IIT Kharagpur | | 22.261v18.1.0 Usage of Non-3GPP DTT Broadcast Networks for Multicast/Broadcast Services in 5GS | |  | | *WI* DTTB4MBS *Rel-19 CR*0639*R1 Cat B*  2131r10 for approval day |
| SAT4MBS | | | | | | | | | | e-Thread: [SA1#99e, WID SAT4MBS] |
| WID | | [S1-222132](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222132.zip) | | Saankhya Labs, IIT Bombay | | Usage of Non-3GPP NTN for Multicast Broadcast Services (MBS) in 5GS | |  | | 2132r6 for approval day |
| CR | | [S1-222130](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222130r5.zip) | | Saankhya Labs, IIT Bombay, Ligado Networks, One Media 3.0, Fraunhofer IIS, CEWiT, Tejas Networks, IIT Kanpur, IIT Madras, IIT Hyderabad, IIT Kharagpur | | 22.261v18.1.0 Usage of Non-3GPP NTN (Satellite access network) for Multicast Broadcast Services in 5GS | |  | | *WI* SAT4MBS *Rel-19 CR*0638*R1 Cat B*  *2130r7* for approval day |
| MeasureData | | | | | | | | | | e-Thread: [SA1#99e, WID MeasureData] |
| WID | | [S1-222134](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222134.zip) | | ZTE, CEPRI, China Telecom, China Unicom | | New WID on Measurement Data Collection | |  | | 2134r1 for approval day |
| Cont | | [S1-222135](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222135.zip) | | ZTE | | Discussion paper for Measurement Data Collection | | Noted | |  |
| CR | | [S1-222136](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222136r5.zip) | | ZTE | | 22.261v18.1.0 New requirements for QoS monitoring | |  | | *WI MeasureData* *Rel-19 CR*0647*R- Cat B*  2136r7 for approval day |
| MultiRelay | | | | | | | | | | e-Thread: [SA1#99e, WID MultiRelay] |
| WID | | [S1-222172](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222172r4.zip) | | China Telecom | | WID on Multi-path relay | |  | | 2172r5 for approval day |
| Cont | | [S1-222174](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222174.zip) | | China Telecom | | Discussion paper on MultiRelay | | Noted | |  |
| CR | | [S1-222173](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222173r5.zip) | | China Telecom | | 22.261v18.6.1 Add requirements on multi-path relay UEs | |  | | *WI MultiRelay Rel-19 CR*0651*R- Cat B*  *2173r6* for approval day |
| DSHE | | | | | | | | | | e-Thread: [SA1#99e, WID DSHE] |
| WID | | [S1-222137](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222137r1.zip) | | China Telecom | | New WID on Discovery of Service Hosting Environment | | Noted | |  |
| Cont | | [S1-222139](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222139.zip) | | China Telecom | | Discussion on discovery of Service Hosting Environment | | Noted | |  |
| CR | | [S1-222138](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222138r1.zip) | | China Telecom | | 22.261v18.6.1 Description and requirements on discovery of Service Hosting Environment | | Noted | | *WI DSHE* *Rel-19 CR*0648*R- Cat B* |
| DualAccessLCS | | | | | | | | | | e-Thread: [SA1#99e, WID DualAccessLCS] |
| WID | | [S1-222164](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222164.zip) | | CATT | | New WID on 5G Positioning Service for UE connecting to Dual 3GPP access | | Noted | |  |
| Cont | | [S1-222148](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222148.zip) | | CATT | | Discussion on requirements for positioning service for UEs connecting via dual 3GPP access | | Noted | |  |
| CR | | [S1-222171](file:///E:\TSGS1_99e_EM_Aug2022\docs\S1-222171r3.zip) | | CATT | | 22.261v18.6.1 Positioning service for UE connecting to dual 3GPP access networks | | Noted | | *WI DualAccessLCS Rel-19 CR*0650*R- Cat B*  r1 uploaded |
| 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 | | [S1-222203](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222203.zip) | | Huawei | | 22.261v18.6.1 Clean-up of the references for quality improvement | | Agreed | | **e-Thread: [SA1#99e, CR\_Quality\_1]**  *WI TEI18 Rel-18 CR*0653*R- Cat B*  2203r1 agreed |
| Rel-18 and earlier contributions | | | | | | | | | | |
| Rel-18 correction and clarification CRs | | | | | | | | | | |
| CR | | [S1-222128](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222128.zip) | | Kyonggi University | | Addition of a location related requirement supporting various positioning accuracy | | Noted | | ***e-Thread:* [SA1#99e, CR\_Rel18\_1]** |
| CR | | [S1-222248](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222248.zip) | | BT | | 22.101v18.4.0 Emergency Calls- Adding two extra types | | Noted | | ***e-Thread:* [SA1#99e, CR\_Rel18\_3]**  *WI TEI18 Rel-18 CR*0587*R- Cat B* |
| 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. | | | | | | | | | | |
| CR | | [S1-222126](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222126r1.zip) | | ZTE | | 22.261v17.10.0 Adding requirements on maximum capacity of network slicing | | Agreed | | *WI* SMARTER, SMARTER-Ph2 *Rel-17 CR*0646*R- Cat B*  2126r3 agreed |
| CR | | [S1-222146](E:\\TSGS1_99e_EM_Aug2022\\Docs\\S1-222146.zip) | | ZTE | | 22.261v18.6.1 Adding requirements on maximum capacity of network slicing | | Agreed | | ***e-Thread:* [SA1#99e, CR\_Rel18\_2]**  *WI* EASNS *Rel-18 CR*0649*R- Cat A*  2146r5 agreed |
| Rel-17 and earlier CRs (other than alignment) | | | | | | | | | | |
| CR | | [S1-222035](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222035.zip) | | ETRI, KT Corp, SK Telecom, LG Uplus | | 22.268v17.0.0 Additional KPAS specific requirements | | Noted | | ***e-Thread:* [SA1#99e, CR\_Others\_1]**  *WI*  *Rel-17 CR*0075*R- Cat B* |
| Rel19 contributions | | | | | | | | | | |
| FS\_RAILSS: Study on Supporting of Railway Smart Station Services [[SP-190838](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_85/Docs/SP-190838.zip)] | | | | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Andrew Min-gyu Han (Hansung University)  Latest version: [TR22.890v0.5.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.890/22890-050.zip)  Target completion date: SA#91 (03/2021)  Percentage completion: 45% | | | | | | | | **Details e-mail discussion** :  Moderator: Mona Mustapha  # e-threads: 7  **Global** | | |
| Use Cases Update | | | | | | | | | | |
| Cont | | [S1-222245](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222245.zip) | | Kyonggi University | | Pseudo-CR on <minor editorial corrections on Clauses 7.1 and 7.3 > | | Agreed | | **e-Thread: [SA1#99e, FS\_RAILSS\_1]**  2245r3 agreed |
| New Use Cases | | | | | | | | | | |
| Cont | | [S1-222224](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222224r4.zip) | | Hansung University, LGUplus, KT, ETRI | | Pseudo-CR on a use case for the operation of platform screen doors of the smart railway | |  | | **e-Thread: [SA1#99e, FS\_RAILSS\_2]**  tdoc will be opened during approval day |
| Cont | | [S1-222225](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222225r4.zip) | | Hansung University, LGUplus, KT, ETRI | | a use case of automatic monitoring of railway smart station | |  | | **e-Thread: [SA1#99e, FS\_RAILSS\_3]**  tdoc will be opened during approval day |
| Cont | | [S1-222228](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222228.zip) | | Hansung University, LGUplus, KT, ETRI | | A use case of railway smart station telemetry | | Noted | | **e-Thread: [SA1#99e, FS\_RAILSS\_4]** |
| Cont | | [S1-222229](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222229.zip) | | Hansung University, LGUplus, KT, ETRI | | A use case of user experience of railway smart station | | Noted | | **e-Thread: [SA1#99e, FS\_RAILSS\_5]** |
| Cont | | [S1-222231](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222231.zip) | | Hansung University, LGUplus, KT, ETRI | | A use case of railway smart station announcements | | Noted | | **e-Thread: [SA1#99e, FS\_RAILSS\_6]** |
| Others | | | | | | | | | | |
| Cont | | [S1-222233](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222233.zip) | | Hansung University, LGUplus, KT, ETRI | | Pseudo-CR on conclusion and recommendations for RAILSS | |  | | **e-Thread: [SA1#99e, FS\_RAILSS\_7]**  tdoc will be opened during approval day |
| Cont | | [S1-222254](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222254r3.zip) | | Hansung University | | FS\_RAILSS consolidated requirements | |  | | **e-Thread: [SA1#99e, FS\_RAILSS\_8]**  tdoc will be opened during approval day |
| TR | | [S1-222261](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222261.zip) | | Rapporteur (Hansung University) | | TR 22.890 v0.6.2 | | Agreed | | **e-Thread:** **[SA1#99e, FS\_RAILSS\_9]** |
| Cont | | [S1-222265](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222265r1.zip) | | Rapporteur (Hansung university) | | pCR on TR clean-up | | Agreed | | **e-Thread: [SA1#99e, FS\_RAILSS\_9]**  r2 agreed |
| FS\_RAILSS Output | | | | | | | | | | |
| TR | S1-222270 | | Rapporteur (Hansung University) | | Cover sheet for approval of the TR22.890 | |  | | | tdoc will be opened during approval day |
| TR | S1-222271 | | Rapporteur (Hansung University) | | TR22.890v0.7.0 Study on Supporting of Railway Smart Station Services | |  | | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| 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 22.837  Target completion date: SA#100 (06/2023)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Jose Almodovar  # e-threads: 34, #NWM: 1  **Block A** | | |
| General (discussion on NWM) | | | | | | | | | | NWM: [SA1#99e, FS\_Sensing\_definitions] |
| Cont | | [S1-222110](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222110.zip) | | Xiaomi | | Sensing definition | |  | |  |
| Cont | | [S1-222226](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222226.zip) | | T-Mobile | | Pseudo-CR on introducing wireless sensing definition | |  | |  |
| Cont | | [S1-222237](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222237.zip) | | Apple | | 'Sensing Measurement', 'Sensing Result' and 'Integrated Sensing and Communication' definitions | | Agreed | | 2237r5 agreed (**sensing result**: the information derived from processing sensing measurements data.  NOTE:   Examples of sensing result are characteristics of an object or environment, etc.)) |
| Cont | | [S1-222258](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222258.zip) | | SA1 Chair | | Daily NWM report of [SA1#99e, FS\_Sensing\_definitions] - https://nwm-trial.etsi.org/#/documents/7966 | | Noted | | Just for info. |
| General (2) | | | | | | | | | | |
| Cont | | [S1-222222](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222222r1.zip) | | T-Mobile | | Pseudo-CR on scope of the Sensing study item | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_1]**  2222r4 for approval day |
| Cont | | [S1-222209](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222209.zip) | | Huawei | | pCR on Sensing service KPI table | | Merge into 2108r3 | | **e-Thread: [SA1#99e, FS\_Sensing\_2]** |
| Cont | | [S1-222108](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222108.zip) | | Nokia, Nokia Shanghai Bell | | Pseudo-CR on consolidated potential KPIs for sensing scenarios | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_2]**  2108r4 for approval day |
| Use Cases Update | | | | | | | | | | |
| Cont | | [S1-222176](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222176.zip) | | OPPO | | Update for Use case of intruder detection in smart home | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_3]**  2176r3 for approval day  c: DT, Ericsson, |
| Cont | | [S1-222238](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222238.zip) | | Apple | | Indication for UE sensing intention | | Merge into 2176r3 | | **e-Thread: [SA1#99e, FS\_Sensing\_3]** |
| Cont | | [S1-222106](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222106.zip) | | Huawei, CAICT | | Update of Clause 5.2\_use case of intrusion detection on a highway | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_4]**  2106r3 for approval day |
| Cont | | [S1-222167](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222167.zip) | | China Telecom | | Update of Use Case of Rainfall Monitoring | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_5]**  2167r1 for approval day |
| New Use Cases | | | | | | | | | | |
| Cont | | [S1-222030](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222030r1.zip) | | Samsung | | 22.837 pCR - Transparent Sensing Use Case | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_6]**  2030r6 for approval day  C: DT |
| Cont | | [S1-222057](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222057r1.zip) | | Lenovo | | 22.837 pCR - Sensing Use Case for Walking assistance | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_7]**  2057r4 for approval day  o: DT, Vodafone |
| Cont | | [S1-222094](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222094.zip) | | NTT DOCOMO | | Pseudo-CR on Use Case of crowd estimation in smart city | | Merge into 2157r6 | | **e-Thread: [SA1#99e, FS\_Sensing\_8]** |
| Cont | | [S1-222095](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222095.zip) | | NTT DOCOMO | | Pseudo-CR on Use case of sensing for flooding in smart cities | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_9]**  2095r2 for approval day |
| Cont | | [S1-222096](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222096.zip) | | NTT DOCOMO | | Pseudo-CR on Use case of site monitoring in smart home | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_10]**  2096r3 for approval day |
| Cont | | [S1-222097](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222097r1.zip) | | NTT DOCOMO | | Pseudo-CR on Use case of sensing for railway intrusion detection | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_11]**  2097r2 for approval day |
| Cont | | [S1-222107](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222107.zip) | | Huawei, CAICT | | New use case\_Sensing for railway intrusion detection | | Merged into 2097r1 | | **e-Thread: [SA1#99e, FS\_Sensing\_11]** |
| Cont | | [S1-222098](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222098r1.zip) | | Qualcomm | | Sensing-assisted automotive maneuvering and navigation | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_12]**  2098r8 for approval day |
| Cont | | [S1-222099](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222099r2.zip) | | Qualcomm | | Automated Guided Vehicle detection and tracking in factories | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_13]**  2099r7 for approval day |
| Cont | | [S1-222100](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222100r1.zip) | | Qualcomm | | UAV Flight Trajectory Tracing | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_14]**  2100r5 for approval day  o: DT |
| Cont | | [S1-222109](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222109.zip) | | Huawei, CAICT | | New use case\_Sensing for road traffic monitoring | | Noted | | **e-Thread: [SA1#99e, FS\_Sensing\_15]** |
| Cont | | [S1-222115](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222115.zip) | | Xiaomi | | Vehicle Sensing for ADAS | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_16]**  2115r2 for approval day  o: DT, Vodafone, Telefonica |
| Cont | | [S1-222116](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222116.zip) | | Xiaomi | | RAN Sensing for real-time map service assisted vehicle driving | | Merged into 2120r1 | | **e-Thread: [SA1#99e, FS\_Sensing\_17]** |
| Cont | | [S1-222120](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222120.zip) | | ZTE | | New UC: Guaranteed sensing in NLOS scenario | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_17]**  2120r6 for approval day |
| Cont | | [S1-222117](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222117.zip) | | Xiaomi | | In vehicle sensing for life detection | | Noted | | **e-Thread: [SA1#99e, FS\_Sensing\_18]** |
| Cont | | [S1-222118](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222118.zip) | | ZTE | | New UC: Network assisted sensing to avoid UAV collision | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_19]**  2118r6 for approval day |
| Cont | | [S1-222119](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222119.zip) | | ZTE | | New UC: Detection of UAVs illegal flying in a restricted area | | Merged into 2155r1 | | **e-Thread: [SA1#99e, FS\_Sensing\_20]** |
| Cont | | [S1-222155](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222155.zip) | | China Mobile | | New use case\_Sensing for UAV intrusion detection | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_20]**  2155r5 for approval day  c: DT |
| Cont | | [S1-222145](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222145.zip) | | Huawei | | New use case: Sensing for parking space determination | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_21]**  2145r5 for approval day  o: DT, Ericsson, Telefonica |
| Cont | | [S1-222147](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222147.zip) | | Huawei | | New Use case: Immersive experience based on Sensing | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_22]**  2147r4 for approval day  o: DT, Vodafone, Ericsson |
| Cont | | [S1-222157](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222157r5.zip) | | China Mobile | | New use case\_Sensing for Tourist spot traffic management | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_23]**  2157r7 for approval day  c: DT |
| Cont | | [S1-222199](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222199.zip) | | vivo | | Use case of sleep monitoring | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_24]**  2199r3 for approval day  o: DT |
| Cont | | [S1-222200](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222200.zip) | | vivo | | Use case of sports monitoring | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_25]**  2200r6 for approval day  o: DT, Ericsson |
| Cont | | [S1-222239](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222239.zip) | | Apple | | Use case on Protection of Sensing Information | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_26]**  2239r4 for approval day |
| Cont | | [S1-222241](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222241.zip) | | Philips | | New use case on distributed wireless sensing | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_27]**  2241r3 for approval day |
| Cont | | [S1-222242](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222242.zip) | | Philips | | New use case on wireless sensing handover | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_28]**  2242r2 for approval day  o: DT |
| Cont | | [S1-222250](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222250.zip) | | Intel | | FS\_Sensing Use Case: Simultaneous Localization and Mapping(SLAM) for Advanced Extended Reality (XR), Autonomous vehicles and Drones. | | Merge into 2030r2 | | **e-Thread: [SA1#99e, FS\_Sensing\_29]** |
| Others | | | | | | | | | | |
| Cont | | [S1-222204](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222204.zip) | | Ericsson, Eurolab | | Security considerations for sensing | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_Sensing\_30]**  2204r3 for approval day |
| Cont | | [S1-222112](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222112.zip) | | Xiaomi | | Sensing privacy consideration | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_31]**  2112r1 for approval day  o: DT |
| Cont | | [S1-222113](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222113.zip) | | Xiaomi | | Sensing public safety consideration | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_32]**  2113r1 for approval day  o: DT |
| Cont | | [S1-222114](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222114.zip) | | Xiaomi | | Sensing charging consideration | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_33]**  orig. for approval day  o: DT |
| Cont | | [S1-222111](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222111.zip) | | Xiaomi | | Sensing mode | |  | | **e-Thread: [SA1#99e, FS\_Sensing\_34]**  2111r2 for approval day  o: DT, Vodafone |
| Cont | | [S1-222036](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222036.zip) | | T-Mobile | | Outcome of the drafting calls on FS\_Sensing | | Noted | | Just for info. |
| FS\_Sensing Output | | | | | | | | | | |
| TR | | S1-222272 | | Rapporteur (Deutsche Telekom) | | TR 22.837v0.2.0 Study on Integrated Sensing and Communication | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| 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 22.840  Target completion date: SA#98 (12/2022)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Yusuke Nakano  # e-threads: 25  **Block B** | | |
| General 1 | | | | | | | | | | |
| Cont | | [S1-222177](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222177.zip) | | OPPO | | Scope of TR 22.840 on study of ambient power-enabled IoT | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_1]**  2177r4 for approval day |
| Cont | | [S1-222181](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222181.zip) | | OPPO | | Definitions related to Ambient IoT | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_2]** |
| Cont | | [S1-222193](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222193.zip) | | Huawei | | Discussion Paper: on differentiating Ambient IoT from existing IoT technologies and proposal for definition and scope in TR 22.840 | | Noted | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_2]** |
| Cont | | [S1-222197](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222197.zip) | | Huawei | | Pseudo-CR on updates for IoT Clause 1 and Clause 3.1 (FS-AmbientIoT) | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_2]**  2197r2 for approval day |
| Cont | | [S1-222236](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222236.zip) | | Apple | | Ambient IoT device power source profile | | Noted | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_3]** |
| Cont | | [S1-222206](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222206.zip) | | KPN | | Power scenarios for Ambient IoT | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_3]**  2206r4 for approval day |
| Cont | | [S1-222190](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222190.zip) | | OPPO | | Moderated discussion on Ambient power-enabled IoT | | Noted | | Just for info. |
| Cont | | [S1-222252](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222252.zip) | | Oppo | | Moderated discussion on Ambient power-enabled IoT(Call#2) | | Noted | | Just for info. |
| Use Cases Update | | | | | | | | | | |
| Cont | | [S1-222042](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222042.zip) | | Alibaba | | Update of use case 5.4 | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_4]**  2042r1 for approval day |
| Cont | | [S1-222123](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222123.zip) | | ZTE | | Resolve editor’s notes in clause 5.2 | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_5]**  2123r5 for approval day |
| Cont | | [S1-222127](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222127.zip) | | Huawei, China Southern Power Grid | | Pseudo-CR on updates to clause 5.3 | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_6]**  2127r5 for approval day |
| Cont | | [S1-222153](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222153.zip) | | China Mobile | | Update service requirements for use case-Ambient\_IoT for automated warehousing | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_7]**  2153r5 for approval day |
| Cont | | [S1-222208](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222208.zip) | | KPN | | Update of traffic scenario 6.1 with power scenario | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_8]**  2208r2 for approval day |
| Cont | | [S1-222188](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222188.zip) | | Huawei | | Pseudo-CR on updates to KIP table for Intralogistics (clause 5.5) | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_9]**  2188r2 for approval day |
| Cont | | [S1-222202](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222202.zip) | | China Telecom | | Pseudo-CR 22.840 – updating use case for Ambient power-enabled IoT sensors in smart homes | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_10]**  2202r1 for approval day |
| New Use Cases | | | | | | | | | | |
| Cont | | [S1-222017](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222017.zip) | | Vodafone | | Elderly Health Care | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_11]**  2017r1 for approval day |
| Cont | | [S1-222101](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222101.zip) | | Qualcomm | | Ambient IoT for Asset Tracking in Airport Terminals / Shipping Ports | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_12]**  2101r6 for approval day |
| Cont | | [S1-222103](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222103.zip) | | Qualcomm | | Finding remote lost item with Ambient IoT devices | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_13]**  2103r4 for approval day |
| Cont | | [S1-222121](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222121.zip) | | Xiaomi | | LCS for Ambient IoT | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_14]**  2121r2 for approval day |
| Cont | | [S1-222122](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222122.zip) | | Xiaomi | | Ranging for Ambient IoT | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_15]**  orig. for approval day |
| Cont | | [S1-222124](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222124.zip) | | ZTE | | New UC: Online modification of medical instruments status | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_16]**  2124r4 for approval day |
| Cont | | [S1-222142](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222142.zip) | | vivo, OPPO | | New use case: Ambient IoT in personal belongings finding | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_17]**  2142r4 for approval day |
| Cont | | [S1-222143](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222143.zip) | | vivo | | New use case: Ambient IoT in Sensor Networks | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_18]**  2143r5 for approval day |
| Cont | | [S1-222152](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222152.zip) | | China Mobile | | New use case Ambient IoT for Base Station Machine Room Environmental Supervision | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_19]**  2152r4 for approval day |
| Cont | | [S1-222185](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222185.zip) | | Huawei | | pCR new use case-smart livestock farming | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_20]**  2185r2 for approval day |
| Cont | | [S1-222187](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222187.zip) | | OPPO | | New use case: Indoor positioning in shopping centre using Ambient IoT | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_21]**  2187r4 for approval day |
| Cont | | [S1-222196](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222196.zip) | | Haier W. W. | | pCR New use case: Ambient\_IoT enablement of smart laundry | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_22]**  2196r4 for approval day |
| Cont | | [S1-222198](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222198.zip) | | Haier | | pCR New use case: Ambient\_IoT in automated supply distribution | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_23]**  2198r5 for approval day |
| Cont | | [S1-222223](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222223.zip) | | KPN | | Traffic scenario for dairy cow stable | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_24]**  2223r2 for approval day |
| Cont | | [S1-222235](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222235.zip) | | Apple | | Use case on Ambient IoT Device Activation and Deactivation | |  | | **e-Thread: [SA1#99e, FS\_AmbientIoT\_25]**  orig. for approval day |
|  | | S1-222016 | | VODAFONE | | Elderly Health Care | | Withdrawn | |  |
| FS\_AmbientIoT Output | | | | | | | | | | |
| TR | | S1-222273 | | Rapporteur (OPPO) | | TR 22.840v0.2.0 Study on Ambient power-enabled Internet of Things | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| 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 22.856  Target completion date: SA#99 (03/2023)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Toon Norp  # e-threads: 17  **Block B** | | |
| General | | | | | | | | | | |
| Cont | | [S1-222084](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222084.zip) | | China Mobile | | pCR- 22856-Scope modification | | Agreed | | **e-Thread: [SA1#99e, FS\_Metaverse\_1]**  2084r1 agreed |
| Use Cases Update | | | | | | | | | | |
| Cont | | [S1-222022](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222022.zip) | | InterDigital, Tencent | | Update to the Use Case on Mobile Metaverse for 5G-enabled Traffic Flow Simulation and Situational Awareness | | Merge into 2025r7 | | **e-Thread: [SA1#99e, FS\_Metaverse\_2]** |
| Cont | | [S1-222025](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222025.zip) | | Tencent, Tencent Cloud, China Telecom, China Mobile, China Unicom | | pCR on update to 5.2 | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_2]**  2025r9 for approval day |
| Cont | | [S1-222023](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222023.zip) | | InterDigital | | Update to the Use Case on Localized Mobile Metaverse Service | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_3]**  2023r1 for approval day |
| Cont | | [S1-222032](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222032.zip) | | Samsung | | Pseudo-CR on Update to 5.1 | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_3]**  orig. for approval day |
| Cont | | [S1-222125](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222125.zip) | | Huawei, Orange | | Pseudo-CR on updates to clause 5.3 | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_4]**  orig. for approval day |
| New Use Cases | | | | | | | | | | |
| Cont | | [S1-222026](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222026.zip) | | Tencent, Tencent Cloud | | Pseudo-CR on Mobile Metaverse for immersive gaming and live shows | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_5]**  2026r4 for approval day |
| Cont | | [S1-222033](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222033.zip) | | Samsung | | Pseudo-CR on Use Case of Spatial Anchor Enabler | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_6]**  2033r1 for approval day |
| Cont | | [S1-222034](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222034.zip) | | Samsung | | Pseudo-CR on Spatial Mapping and Localization Service Enabler Use Case | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_7]**  2034r5 for approval day |
| Cont | | [S1-222037](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222037.zip) | | Lenovo | | New Use Case Supporting communication between virtual devices using IMS | |  | | **e-Thread:** **[SA1#99e, FS\_Metaverse\_8]**  2037r3 for approval day |
| Cont | | [S1-222040](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222040.zip) | | NTT DOCOMO | | New use case of Work delegation to digital avatar | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_9]**  2040r2 for approval day |
| Cont | | [S1-222041](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222041.zip) | | NTT DOCOMO | | New use case of Information access service from public UE | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_10]**  2041r2 for approval day |
| Cont | | [S1-222077](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222077.zip) | | Orange, Huawei | | new use case - Interconnection of virtual universes | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_11]**  2077r2 for approval day |
| Cont | | [S1-222078](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222078.zip) | | Orange, Xiaomi, Huawei | | New use case - Digital asset container, presentation, access and certification | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_11]**  2078r3 for approval day |
| Cont | | [S1-222083](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222083.zip) | | China Mobile | | pCR-22856-new use case on metaverse market place | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_12]**  2083r1 for approval day |
| Cont | | [S1-222105](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222105.zip) | | vivo | | Pseudo-CR on Use Case Immersive AR Interactive Experience | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_13]**  2105r2 for approval day |
| Cont | | [S1-222192](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222192.zip) | | China Mobile | | pCR Metaverse use case of supporting UE service continuity and quality assurance between different operators in metaverse services | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_14]**  2192r1 for approval day |
| Cont | | [S1-222194](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222194.zip) | | China Mobile | | pCR Metaverse use case on supporting multi-application coordination in metaverse | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_15]**  2194r2 for approval day |
| Cont | | [S1-222244](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222244.zip) | | Philips | | New use case on synchronized predictive avatars | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_16]**  2244r3 for approval day |
| Cont | | [S1-222249](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222249.zip) | | Intel | | FS\_Metaverse Use Case: Mission Critical Metaverse HealthCare- Surgeries, Education, Consultation and Body scans/vitals. | |  | | **e-Thread: [SA1#99e, FS\_Metaverse\_17]**  2249r2 for approval day |
| Cont | | [S1-222038](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222038.zip) | | NTT DOCOMO | | New use case of Work delegation to digital avatar | | Withdrawn | |  |
| Cont | | [S1-222039](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222039.zip) | | NTT DOCOMO | | New use case of Information access service from public UE | | Withdrawn | |  |
| Cont | | [S1-222243](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222243.zip) | | Philips | | New use case on synchronized predictive avatars | | Withdrawn | |  |
| FS\_Metaverse Output | | | | | | | | | | |
| TR | | S1-222274 | | Rapporteur (Samsung) | | TR 22.856v0.2.0 Study on Localized Mobile Metaverse Services | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| FS\_NetShare: Study on Network Sharing Aspects [[SP-220087](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220087.zip)] | | | | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Qun Wei (China Unicom)  Latest version: TR 22.851  Target completion date: SA#98 (12/2022)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Greg Schumacher  # e-threads: 7  **Block B** | | |
| General | | | | | | | | | | |
| Cont | | [S1-222082](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222082r2.zip) | | China Mobile | | pCR on NetShare Abbreviations | | Agreed | | **e-Thread: [SA1#99e, FS\_NetShare\_1]**  2082r2 agreed |
| Use Cases Update | | | | | | | | | | |
| Cont | | [S1-222018](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222018.zip) | | ZTE | | New Requirements to Network Sharing | |  | | **e-Thread: [SA1#99e, FS\_NetShare\_2]**  2018r4 |
| New Use Cases | | | | | | | | | | |
| Cont | | [S1-222020](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222020.zip) | | CATT | | Pseudo-CR on use case of flexibility and security for non-N2 sharing network | |  | | **e-Thread: [SA1#99e, FS\_NetShare\_3]**  2020r5 for approval day |
| Cont | | [S1-222021](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222021r1.zip) | | one2many | | Use Case for missed PWS message | | Noted | | **e-Thread: [SA1#99e, FS\_NetShare\_4]** |
| Cont | | [S1-222024](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222024.zip) | | China Telecom | | Pseudo-CR on International Roaming Based on Network Sharing | |  | | **e-Thread: [SA1#99e, FS\_NetShare\_5]**  2024r7 for approval day |
| Cont | | [S1-222048](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222048r3.zip) | | China Unicom | | Pseudo-CR on use case of mobility scenarios and Requirements | |  | | **e-Thread: [SA1#99e, FS\_NetShare\_6]**  2048r5 for approval day |
| Cont | | [S1-222049](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222049.zip) | | China Unicom | | Pseudo-CR on Use Case of Service Continuity and QoS Requirements | |  | | **e-Thread: [SA1#99e, FS\_NetShare\_7]**  2049r5 for approval day |
| FS\_NetShare Output | | | | | | | | | | |
| TR | | S1-222275 | | Rapporteur (China Unicom) | | TR 22.851v0.2.0 Study on Network Sharing Aspects | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| 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: [TR22.989v18.4.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.989/22989-i40.zip)  Target completion date: SA#101 (09/2023)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Mona Mustapha  # e-threads: 3  **Block A** | | |
| CR | | [S1-222129](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222129.zip) | | UIC | | 22.989 v19.0.0 Enhancement and clean-up of Railway Emergency Communication related use cases | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_FRMCS\_Ph5\_1]**  *WI FS\_FRMCS\_Ph5 Rel-19 CR*0016*R- Cat C*  *2129r4* for approval day (minor typos) |
| CR | | [S1-222149](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222149.zip) | | UIC | | 22.989 v19.0.0 Public Train Emergency Communication related use cases | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_FRMCS\_Ph5\_2]**  *WI FS\_FRMCS\_Ph5 Rel-19 CR*0017*R- Cat B*  *2149r3* for approval day |
| CR | | [S1-222159](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222159.zip) | | UIC | | 22.989 v19.0.0 Railway staff Emergency Communication related use cases | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_FRMCS\_Ph5\_3]**  *WI FS\_FRMCS\_Ph5 Rel-19 CR*0018*R- Cat B*  *2159r3* for approval day |
| 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: TR22.876  Target completion date: SA#98 (12/2022)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Erik Guttman  # e-threads: 10  **Block B** | | |
| General | | | | | | | | | | |
| Cont | | [S1-222156](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222156.zip) | | OPPO, Kyonggi University | | Introduction of TR 22.876 on study of AI/ML Model Transfer Phase 2 | |  | | **e-Thread: [SA1#99e, FS\_AIML\_Ph2\_1]**  2156r1 for approval day |
| Cont | | [S1-222158](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222158.zip) | | OPPO, Kyonggi University | | Scope of TR 22.876 on study of AI/ML Model Transfer Phase 2 | |  | | **e-Thread: [SA1#99e, FS\_AIML\_Ph2\_2]**  orig. for approval day |
| Cont | | [S1-222154](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222154.zip) | | OPPO | | Adding description in overview and updating the TR structure | |  | | **e-Thread: [SA1#99e, FS\_AIML\_Ph2\_3]**  2154r1 for approval day |
| Use Cases | | | | | | | | | | |
| Cont | | [S1-222044](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222044.zip) | | China Telecom | | Use Case of AI model transfer management through direct device connection | |  | | **e-Thread: [SA1#99e, FS\_AIML\_Ph2\_4]**  2044r3 for approval day |
| Cont | | [S1-222162](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222162.zip) | | OPPO | | 5GS assisted distributed joint inference | |  | | **e-Thread: [SA1#99e, FS\_AIML\_Ph2\_5]**  2162r1for approval day |
| Cont | | [S1-222168](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222168.zip) | | OPPO, Tsinghua University | | 5GS assisted AIML model transfer learning | |  | | **e-Thread: [SA1#99e, FS\_AIML\_Ph2\_6]**  2168r4 for approval day |
| Cont | | [S1-222169](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222169.zip) | | OPPO, China Telecom | | Proximity based work task offloading for AIML inference | |  | | **e-Thread: [SA1#99e, FS\_AIML\_Ph2\_7]**  2169r2 for approval day |
| Cont | | [S1-222170](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222170r1.zip) | | OPPO | | Direct device connection assisted Federated Learning | |  | | **e-Thread:** **[SA1#99e, FS\_AIML\_Ph2\_8]**  2170r3 for approval day |
| Cont | | [S1-222175](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222175.zip) | | OPPO | | Intelligent advertisement notification using AR glasses | |  | | **e-Thread: [SA1#99e, FS\_AIML\_Ph2\_9]**  orig. for approval day |
| Cont | | [S1-222205](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222205.zip) | | China Telecom | | Use case of direct device connection assisted remote control operation for robotics service | |  | | **e-Thread: [SA1#99e, FS\_AIML\_Ph2\_10]**  2205r4 for approval day |
| FS\_AIML\_Ph2 Output | | | | | | | | | | |
| TR | | S1-222276 | | Rapporteur (OPPO) | | TR 22.874v0.2.0 Study on AI/ML Model Transfer\_Phase2 | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| FS\_5GSAT\_Ph3: Study 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: TR22.865  Target completion date: SA#99 (03/2023)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Toon Norp  # e-threads: 11  **Block A** | | |
| General | | | | | | | | | | |
| Cont | | [S1-222089](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222089.zip) | | NOVAMINT | | TR skeleton for TR 22.865 - 5GSAT-Ph3 | | Agreed | |  |
| Cont | | [S1-222090](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222090.zip) | | NOVAMINT | | Scope for the TR22.865 | | Agreed | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_1]**  2090r2 agreed |
| Cont | | [S1-222091](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222091.zip) | | NOVAMINT, Sateliot, GateHouse | | new definitions and abbreviations | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_2]**  2091r3 for approval day |
| Use Cases | | | | | | | | | | |
| Cont | | [S1-222045](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222045.zip) | | China Telecom | | Use case of store and forward operation with discontinuous feeder link for delay-tolerant IoT - Inter-satellite | |  | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_3]**  2045r4for approval day  o: Qualcomm, Ericsson |
| Cont | | [S1-222140](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222140.zip) | | China Telecom, CATT | | Use Case:Temporary LAN using satellite access | |  | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_4]**  2140r4 for approval day  c: Qualcomm, |
| Cont | | [S1-222141](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222141.zip) | | CATT, China Telecom | | Use Case: Enhanced Positioning Service using Satellite Access | |  | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_5]**  2141r4 for approval day  c: ESA, Qualcomm |
| Cont | | [S1-222201](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222201.zip) | | Huawei | | Pseudo-CR on Use case of Information Exchange between ships at sea | |  | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_6]**  2201r4 for approval day  c: Ericsson,Qualcomm |
| Cont | | [S1-222207](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222207.zip) | | China Telecom | | New use case of UAVs using satellite access | |  | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_7]**  2207r3 for approval day  c:Qualcomm |
| Cont | | [S1-222217](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222217.zip) | | Huawei | | Pseudo-CR on Use case of data transfer for IoT devices in remote areas | |  | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_8]**  2217r3 for approval day  c: Qualcomm, Ericsson |
| Cont | | [S1-222219](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222219.zip) | | NOVAMINT, Sateliot, GateHouse | | Use case store and forward - MO | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_9]**  2219r4 for approval day |
| Cont | | [S1-222220](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222220r4.zip) | | NOVAMINT | | Use case store and forward - MT | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_10]**  2220r4 for approval day |
| Others | | | | | | | | | | |
| Cont | | [S1-222227](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222227.zip) | | Sateliot, GateHouse, Novamint | | Description of store and forward operation | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_5GSAT\_Ph3\_11]**  2227r3 for approval day |
| FS\_5GSAT\_Ph3 Output | | | | | | | | | | |
| TR | | S1-222277 | | Rapporteur (NOVAMINT) | | TR 22.865v0.1.0 Study on Satellite Access –  Phase 3 | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| 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: TR22.843  Target completion date: SA#100 (06/2023)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Xu Xia  # e-threads: 5  **Block B** | | |
| General | | | | | | | | | | |
| Cont | | [S1-222161](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222161.zip) | | China Mobile | | UAV\_Ph3 TR 22.843 skeleton | | Agreed | | 2161r1 pre-agreed |
| Cont | | [S1-222163](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222163r1.zip) | | China Mobile | | pCR FS\_UAV\_Ph3 Scope | | Agreed | | **e-Thread: [SA1#99e, FS\_UAV\_Ph3\_1]**  2163 r2 agreed (Correct tense + minor typos + Note: This document + format) |
| Cont | | [S1-222165](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222165.zip) | | China Mobile | | pCR FS\_UAV\_Ph3 Overview | |  | | **e-Thread: [SA1#99e, FS\_UAV\_Ph3\_2]**  2165r1for approval day |
| Use Cases | | | | | | | | | | |
| Cont | | [S1-222079](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222079r2.zip) | | Orange | | New use case - UAV detection | |  | | **e-Thread: [SA1#99e, FS\_UAV\_Ph3\_3]**  2079r2 for approval day |
| Cont | | [S1-222166](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222166r1.zip) | | China Mobile | | New use case\_Support of UAV pre-flight preparation | |  | | **e-Thread: [SA1#99e, FS\_UAV\_Ph3\_4]**  2166r3 for approval day |
| Cont | | [S1-222218](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222218.zip) | | Huawei | | New use case: 3GPP network as an information source to the UTM | |  | | **e-Thread: [SA1#99e, FS\_UAV\_Ph3\_5]**  2218r1 for approval day |
| Cont | | S1-222160 | | China Mobile | | Revised SID on UAV Phase 3 | | Moved to 4 | |  |
| 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)] | | | | | | | | | | |
| TR | | S1-222278 | | Rapporteur (China Mobile) | | TR 22.843v0.1.0 Study on UAV Phase 3 | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| FS\_RVAS: Study on roaming value added services [[SP-220442](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220442.zip)] | | | | | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Peter Bleckert (Ericsson)  Latest version: TR22.877  Target completion date: SA#100 (06/2023)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Mark Younge  # e-threads: 5  **Block B** | | |
| General | | | | | | | | | | |
| Cont | | [S1-222010](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222010.zip) | | Ericsson | | TR 22.877 v0.0.0 (TR skeleton) | | Agreed | |  |
| Cont | | [S1-222011](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222011.zip) | | Ericsson, Deutsche Telekom | | Scope to the TR22.877 | | Agreed | | **e-Thread: [SA1#99e, FS\_RVAS\_1]**  2011r1 agreed (“NOTE: This document…”+ Note format) |
| Cont | | [S1-222012](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222012.zip) | | Ericsson, Deutsche Telekom | | Overview chapter to TR 22.877 | |  | | **e-Thread: [SA1#99e, FS\_RVAS\_2]**  2012r1for approval day |
| Use Cases | | | | | | | | | | |
| Cont | | [S1-222013](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222013.zip) | | Ericsson, Deutsche Telekom | | Welcome SMS use case to TR22.877 | |  | | **e-Thread: [SA1#99e, FS\_RVAS\_3]**  2013r5 for approval day |
| Cont | | [S1-222014](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222014r3.zip) | | Deutsche Telekom, Ericsson | | SoR during registration procedure use case to TR 22.877 | |  | | **e-Thread: [SA1#99e, FS\_RVAS\_4]**  2014r6 for approval day |
| Cont | | [S1-222015](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222015r3.zip) | | Deutsche Telekom, Ericsson | | IMSI based routing to a particular core network use case to TR 22.877 | |  | | **e-Thread: [SA1#99e, FS\_RVAS\_5]**  2015r6 for approval day |
| FS\_RVAS Output | | | | | | | | | | |
| TR | | S1-222279 | | Rapporteur (Ericsson) | | TR 22.877v0.1.0 Study on roaming value added services | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| 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: TR22.841  Target completion date: SA#100 (06/2023)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Greg Schumacher  # e-threads: 10  **Block A** | | |
| General | | | | | | | | | | |
| Cont | | [S1-222210](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222210.zip) | | Qualcomm | | TR 22.841\_FS\_DualSteer\_Skeleton | | Agreed | |  |
| Cont | | [S1-222211](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222211.zip) | | Qualcomm | | TR 22.841\_scope pCR | |  | | **e-Thread: [SA1#99e, FS\_DualSteer\_1]**  2211r4 for approval day  o: Huawei |
| Use Cases | | | | | | | | | | |
| Cont | | [S1-222019](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222019.zip) | | Lockheed Martin | | FS\_DualSteer Use Case~~s~~ - Vehicle/UAV UE connecting to TN+NTN access networks | |  | | **e-Thread: [SA1#99e, FS\_DualSteer\_2]**  2019r6 for approval day  o: Nokia |
| Cont | | [S1-222246](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222246.zip) | | Lockheed Martin | | FS\_DualSteer Use Case - Vehicle/UE connecting to NTN+NTN access networks | |  | | **e-Thread: [SA1#99e, FS\_DualSteer\_2]**  2246r5 for approval day  o: Nokia |
| Cont | | [S1-222247](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222247.zip) | | Lockheed Martin | | FS\_DualSteer Use Case - UE on Vehicle connecting to NTN+TN access networks (PLMN/NPN) | |  | | **e-Thread: [SA1#99e, FS\_DualSteer\_2]**  2247r5 for approval day  o:Nokia |
| Cont | | [S1-222047](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222047.zip) | | THALES, QUALCOMM | | NTN based dual 3GPP access | |  | | **e-Thread: [SA1#99e, FS\_DualSteer\_3]**  2047r2 for approval day  o: Huawei |
| Cont | | [S1-222104](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222104.zip) | | SyncTechno, | | Use case on dual 5G satellite access in maritime scenario | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_DualSteer\_4]**  2104r1 for approval day |
| Cont | | [S1-222144](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222144.zip) | | CATT | | Use Case: Traffic Switch between Terrestrial and Satellite Access | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_DualSteer\_5]**  2144r3 for approval day |
| Cont | | [S1-222195](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222195.zip) | | China Mobile | | pCR DualSteer use case of supporting MUSIM of different PLMNs coordination for the same service | | Noted | | **e-Thread: [SA1#99e, FS\_DualSteer\_6]** |
| Cont | | [S1-222212](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222212.zip) | | Qualcomm | | Use Case on single-PLMN dual-3GPP access | |  | | **e-Thread: [SA1#99e, FS\_DualSteer\_7]**  2212r4 for approval day  o:Huawei |
| Cont | | [S1-222214](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222214.zip) | | Qualcomm | | Use Case on PLMN plus PLMN-SNPN dual-3GPP access | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_DualSteer\_8]**  2214r5 for approval day |
| Cont | | [S1-222216](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222216.zip) | | Qualcomm | | Use Case on inter-PLMN dual-3GPP access\_dual-RAT | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_DualSteer\_9]**  2216r4 for approval day |
| Cont | | [S1-222221](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222221.zip) | | CableLabs | | FS\_DualSteer - New use case for Inter-PLMN mobility scenario | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_DualSteer\_10]**  2221r4 for approval day |
| Cont | | [S1-222046](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222046.zip) | | THALES | | NTN based dual 3GPP access | | Noted | | Noted, same as 2047 |
| FS\_DualSteer Output | | | | | | | | | | |
| TR | | S1-222280 | | Rapporteur (Qualcomm) | | TR 22.841v0.1.0 Study on Upper layer traffic steering, switching and split over dual 3GPP access | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| 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: TR22.882  Target completion date: SA#99 (13/2023)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Xu Xia  # e-threads: 5  **Block B** | | |
| General | | | | | | | | | | |
| Cont | | [S1-222178](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222178r2.zip) | | China Mobile | | EnergyServ TR 22.882 skeleton | | Agreed | | 2178r3-agreed (No Normative Annexes) |
| Cont | | [S1-222179](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222179r1.zip) | | China Mobile | | pCR EnergyServ adding scope | | Agreed | | **e-Thread: [SA1#99e, FS\_EnergyServ\_1]**  2179r2 agreed (“The present document”) |
| Cont | | [S1-222180](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222180r1.zip) | | China Mobile | | pCR EnergyServ adding overview | |  | | **e-Thread: [SA1#99e, FS\_EnergyServ\_2]**  2180r3 for approval day |
| Cont | | [S1-222182](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222182r1.zip) | | China Mobile | | pCR EnergyServ adding gap analysis | | Agreed | | **e-Thread: [SA1#99e, FS\_EnergyServ\_3]**  2182r1 agreed |
| Cont | | [S1-222213](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222213.zip) | | Huawei | | Existing Energy Efficiency standardisation | | Noted | | **e-Thread: [SA1#99e, FS\_EnergyServ\_3]** |
| Cont | | [S1-222215](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222215.zip) | | Huawei | | pCR on existing Energy Efficiency standardisation | | Merge into 2182r1 | | **e-Thread: [SA1#99e, FS\_EnergyServ\_3]** |
| Use Cases | | | | | | | | | | |
| Cont | | [S1-222031](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222031r1.zip) | | Samsung | | 22.822 pCR - Energy Utilization as a Performance Criteria for Best Effort Communication | |  | | **e-Thread: [SA1#99e, FS\_EnergyServ\_4]**  2031r4 for approval day |
| Cont | | [S1-222183](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222183.zip) | | China Mobile | | pCR EnergyServ use case of reusing location information for PLMN and NPN of the same operator to save energy | |  | | **e-Thread: [SA1#99e, FS\_EnergyServ\_5]**  2183r2 for approval day |
| FS\_ EnergyServ Output | | | | | | | | | | |
| TR | | S1-222281 | | Rapporteur (China Mobile) | | TR 22.882v0.1.0 Study on Energy Efficiency as service criteria | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| 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: TR22.916  Target completion date: SA#99 (03/2023)  Percentage completion: 0% | | | | | | | | **Details e-mail discussion** :  Moderator: Mark Younge  # e-threads: 2  **Block A** | | |
| General | | | | | | | | | | |
| Cont | | [S1-222230](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222230r3.zip) | | LG Electronics | | SOBOT TR Skeleton | |  | | **e-Thread: [SA1#99e, FS\_SOBOT\_skeleton]**  2230r6for approval day |
| Cont | | [S1-222232](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222232.zip) | | LG Electronics | | SOBOT TR Scope | | Agreed (No comments received) | | **e-Thread: [SA1#99e, FS\_SOBOT\_1]**  2232r1 for approval day |
| Cont | | [S1-222240](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222240.zip) | | LG Electronics | | Online cooperative 3D map building (focused on ProSe-based scenario) | |  | | **e-Thread: [SA1#99e, FS\_SOBOT\_2]**  2240r3 for approval day  o: Nokia |
| Cont | | [S1-222234](file:///E:\TSGS1_99e_EM_Aug2022\Docs\S1-222234.zip) | | LG Electronics | | Planning for SOBOT TR - Supplementary material | | Withdrawn | |  |
| FS\_SOBOT Output | | | | | | | | | | |
| TR | | S1-222282 | | Rapporteur (LGE) | | TR 22.916v0.1.0 Study on Network of Service Robots with Ambient Intelligence | |  | | First draft by Monday 23rd 23:00 UTC  Comments till Wed 25th 23:00UTC  Final version by Thurs 26th 23:00UTC |
| Other technical contributions | | | | | | | | | | |
| Other non-technical contributions | | | | | | | | | | |
| Work Item/Study Item progress | | | | | | | | | | |
| Session information outputs | | | | | | | | | | |
| Work Item/Study Item status update | | | | | | | | | | |
| REP | S1-222283 | | Hansung University | | FS\_RAILSS – Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222284 | | Deutsche Telekom | | FS\_Sensing – Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222285 | | OPPO | | FS\_AmbientIoT – Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222286 | | Samsung | | FS\_Metaverse – Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222287 | | China Unicom | | FS\_NetShare – Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222288 | | UIC | | FS\_FRMCS\_Ph3– Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222289 | | OPPO | | FS\_AIML\_Ph2– Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222290 | | Ericsson | | FS\_RVAS – Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222291 | | Novamint | | FS\_ 5GSAT\_Ph3– Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222292 | | China Mobile | | FS\_UAV\_Ph3– Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222293 | | Qualcomm | | FS\_DualSteer – Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222294 | | China Mobile | | FS\_EnergieServ – Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| REP | S1-222295 | | LGE | | FS\_SOBOT – Status report | |  | | Expected by Friday 2nd 23:00 UTC | |
| Next meetings (calendar) | | | | | | | | | | |
| **2022 meetings:**  SA1#100 14-18 Nov 2022 Europe (dates and location T.B.D.)  **2023 meetings:**  SA1#100\_adhoc 16-20 Jan 2023 e-meeting  SA1#101 27 Feb – 3 Mar 2023 Europe (T.B.D)  SA1#102 15-19 May 2023 T.B.D.  SA1#103 21-25 Aug 2023 T.B.D.  SA1#104 13-17 Nov 2023 T.B.D. (mega meeting) | | | | | | | | | | |
| Any other business | | | | | | | | | | |
| Close | | | | | | | | | | |
| Close latest by 16:00 UTC on Thursday 1 September 2022 | | | | | | | | | | |