3GPP TSG-SA WG1 Meeting #94e S1-211001

Electronic Meeting, 10 – 20 May 2021

Title: 2nd Draft Agenda for SA1#94e

Ag. Item: 1.1

Source: SA1 Chairman

Contact: Jose Almodovar

Submission Guidelines

* **Submission deadlines:**
  + **Tdoc number** and **CR number** requests: **Friday,** 30 April 2021, 23:00 UTC
  + Document **submission**: **Friday**, 30 April 2021, 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#92e)
* Please use the document templates available at <https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/templates>
* For CRs:
  + **TEI16 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 secretary BEFORE being submitted
  + **CRs MUST have a Work Item code**, and the WI code must be valid for the specific release (i.e. Rel-14 CR with Rel-13 WI is not permitted)
  + Work Item Codes for the CRs are available at <http://www.3gpp.org/ftp/Specs/html-info/FeatureListFrameSet.htm>
  + SA1-specific WI codes are available at <http://www.3gpp.org/ftp/Specs/html-info/TSG-WG--s1--wis.htm>

**LEGEND**

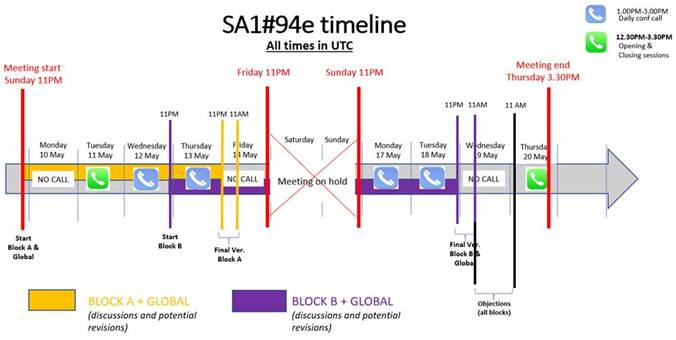
**Doc Type**: AGE (Agenda), CC (Incoming Liaison Statement Copied to SA1), Cont (Contribution), CR (Change request), , LS OUT(Outgoing Liaison Statement), TO (Incoming Liaison Statement To SA1), TR (Technical Report), TS (Technical Specification), REP (Report), WID (Work Item Description), WP (Work Plan)

**Conclusion**: Agreed, Approved, Revised to S1-16xxxx, Noted, Withdrawn, Moved to section xxx, Rejected, Postponed, Email Approval, Not Handled, Unallocated, Drafting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 S1-19xxxx |  |
| 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| CR | S1-19xxxx | Source | Title | Withdrawn |  |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 |  |

|  |  |  |
| --- | --- | --- |
| **General** | **Block A** | **Block B** |
| Reports (Sec. 2) | MiniWIDs | |
| LSs (Sec. 3) | NPNC | SENSE |
| Q.CR (Sec. 5) | MPS\_WLAN | SCVS |
| Rel-17 and earlier (Sec.6) | UEset | 5GHAPS |
| eCAV2 | 5GSATB |
| Others (Sec.8) |  | |
|  | Studies/Work + Corresponding WIDs | |
|  | AMMT | SEI |
|  | PALS | VMR |
|  | Resident | PINS |
|  | EASNS | 5TRS |
|  | Ranging | TACMM |
|  | SACI\_MCS | LPHAP |
|  | MMTEL | 5GET |
|  |  |  |
|  |  |  |

**SA1#94e Timeline & Blocks**



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opening of the meeting | | | | | |
| Opening of the meeting at 23:00 UTC on Sunday 9 May 2021 | | | | | |
| Guidelines e-meeting | | | | | |
| Delegates can find the guidelines that will be followed during SA1#94e in the following [link](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/invitation/E-meeting-procedures-SA1%2394e.docx). | | | | | |
| Agenda and scheduling | | | | | |
| AGE | [S1-211000](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211000.zip) | SA1 Chair | Draft agenda for SA1#94e | Revised to S1-211001 |  |
| AGE | [S1-211001](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211001.zip) | SA1 Chair | 2nd Draft agenda for SA1#94e | Agreed | Revision of S1-211000. |
| 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 Chairman and Vice Chairman. 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 | [S1-211004](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211004.zip) | ETSI | Draft minutes of SA1#93e | Revised to S1-211005 |  |
| REP | [S1-211005](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211005.zip) | ETSI | Draft minutes of SA1#93e | Agreed | Revision of S1-211004. |
| 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> | | | | | |
| 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 **Error! Reference source not found.** 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 | | | | | |
| Elections | | | | | |
| During the 3GPP SA1#94e meeting there will be elections for 3GPP SA1 chair.  Known candidates are currently: Jose Almodovar (KPN) | | | | | |
| Reports and action items e-Thread: [SA1\_Reports] | | | | | |
| REP | [S1-211003](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211003.zip) | SA1 chair | SA1-related topics at SA#91e | Noted |  |
| REP | [S1-211006](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211006.zip) | MCC | Workplan presentation for SA1#94e | Noted |  |
| REP | [S1-211007](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211007.zip) | SA1 chair, MCC | Guidelines for SA1#94e (e-meeting) | Noted |  |
| REP | [S1-211008](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211008.zip) | SA1 chair, MCC | SA1 ToR agreed at SA#91e | Noted |  |
| Liaison Statements (including related contributions) | | | | | |
| **Selecting a PLMN e-Thread: [LS S1-211262]** | | | | | |
| IN | [S1-211262](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211262.zip) | C1-210437 | LS on selecting a PLMN not allowed in the country where a UE is physically located | Noted |  |
| CC | [S1-211281](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211281.zip) | S3i210129 | Reply LS on selecting a PLMN not allowed in the country where a UE is physically located | Noted |  |
| IN | [S1-211269](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211269.zip) | C1-212600 | LS on selecting a PLMN not allowed in the country where a UE is physically located | Noted |  |
| OUT | [S1-211122](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211122.zip) | NTT DOCOMO | [DRAFT] Reply LS on selecting a PLMN not allowed in the country where a UE is physically located | Merge into  S1-211236r1 |  |
| OUT | [S1-211236](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211236r2.zip) | TNO | Reply LS on selecting a PLMN not allowed in the country where a UE is physically located | Revised to S1-211319 | r3 agreed (removing the text in track changes and the DRAFT word) |
| OUT | [S1-211319](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211319.zip) | TNO | Reply LS on selecting a PLMN not allowed in the country where a UE is physically located | Agreed | *Same as r3*  Revision of S1-211236. |
| OUT | [S1-211298](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211298.zip) | TNO | LS to CT1 answer on selecting a PLMN not allowed in the country where a UE is physically located | Revised to S1-211503 | r1 ( remove “SA1 agrees with the answer provided by SA3LI (S3i210129) to the CT1 LS.  In addition,”). |
| OUT | [S1-211503](docs\S1-211503.zip) | TNO | LS to CT1 answer on selecting a PLMN not allowed in the country where a UE is physically located | Agreed | *Same as r1*  *Revision of S1-211298.* |
| **RAT prioritization for UEs supporting satellite access e-Thread: [LS S1-211268]** | | | | | |
| IN | [S1-211268](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211268.zip) | C1-212597 | LS on RAT prioritization for UEs supporting satellite access | Noted |  |
| OUT | [S1-211249](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211249r2.zip) | Qualcomm | Reply LS on prioritizing Satellite RAT for PLMN selection | Revised to S1-211362 | r2 |
| OUT | [S1-211362](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211362.zip) | Qualcomm | Reply LS on prioritizing Satellite RAT for PLMN selection | Agreed | *Same as r2*  Revision of S1-211249. |
| CR | [S1-211237](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211237.zip) | Qualcomm | CR22.261v17.6.0 Optimizing prioritization of satellite RAT for PLMN selection | Noted | *WI code* TEI17 *Rel-17 CR0519R- Cat F*  *No mirror CR?* |
| **Disaster roaming for MINT e-Thread: [LS S1-211263]** | | | | | |
| IN | [S1-211263](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211263.zip) | C1-211192 | LS on disaster roaming for MINT related to PLMN change | Noted |  |
| OUT | [S1-211116](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211116r2.zip) | LG Electronics | Reply LS on disaster roaming for MINT related to PLMN change | Revised to S1-211318 | r3 agreed (with no track changes and remove DRAFT) |
| OUT | [S1-211318](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211318.zip) | LG Electronics | Reply LS on disaster roaming for MINT related to PLMN change | Agreed | *Same as r3*  Revision of S1-211116. |
| OUT | [S1-211146](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211146.zip) | Huawei | Reply LS on disaster roaming for MINT related to PLMN change | Merged into  S1-211116r2 |  |
| Cont | [S1-211139](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211139.zip) | Huawei | Discussion on SA1 service requirements in support for Minimization of service INTerruption (MINT) | Noted |  |
| **HPLMN control of devices that should not use disaster roaming service e-Thread: [****LS S1-211264]** | | | | | |
| IN | [S1-211264](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211264.zip) | C1-211237 | LS on HPLMN control of devices that should not use disaster roaming service | Noted |  |
| OUT | [S1-211203](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211203r1.zip) | Samsung | [DRAFT] LS Reply on HPLMN control of devices that should not use disaster roaming service | Revised to S1-211320 | R2( take out track changes and remove DRAFT) |
| OUT | [S1-211320](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211320.zip) | Samsung | [DRAFT] LS Reply on HPLMN control of devices that should not use disaster roaming service | Agreed | *Same as r2*  Revision of S1-211203. |
| CR | [S1-211201](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211201r1.zip) | Samsung | CR22.261v17.6.0 Clarification for Congestion Avoidance for MINT | Revised to S1-211321 | *WI code* MINT *Rel-17 CR0527R- Cat F*  *R2 (clean cove page, update rev counter, date format and remove changes on changes)* |
| CR | [S1-211321](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211321.zip) | Samsung | CR22.261v17.6.0 Clarification for Congestion Avoidance for MINT | Agreed | *WI code MINT Rel-17 CR0527R- Cat F*  *Same as R2*  Revision of S1-211201. |
| CR | [S1-211202](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211202.zip) | Samsung | CR22.261v18.2.0 Clarification for Congestion Avoidance for MINT | Revised to S1-211322 | *WI code* MINT *Rel-18 CR0528R- Cat A*  *R2 (clean cove page, update rev counter, date format and remove changes on changes)* |
| CR | [S1-211322](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211322.zip) | Samsung | CR22.261v18.2.0 Clarification for Congestion Avoidance for MINT | Agreed | *WI code MINT Rel-18 CR0528R- Cat A*  *Same as R2*  Revision of S1-211202. |
| OUT | [S1-211246](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211246.zip) | Qualcomm | Reply LS on HPLMN control of disaster roaming service | Noted |  |
| OUT | [S1-211117](C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\docs\\S1-211117r1.zip) | LG Electronics | Reply LS on HPLMN control of devices that should not use disaster roaming service | Noted | Moved from 4 |
| **Disaster roaming and non-public network hosted by a PLMN e-Thread: [LS S1-211265]** | | | | | |
| IN | [S1-211265](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211265.zip) | C1-211324 | LS on disaster roaming and non-public network hosted by a PLMN | Noted |  |
| OUT | [S1-211118](C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\docs\\S1-211118r3.zip) | LG Electronics | Reply LS on disaster roaming and non-public network hosted by a PLMN | Revised to S1-211323 | Moved from 4  r4 (no track changes and remove DRAFT) |
| OUT | [S1-211323](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211323.zip) | LG Electronics | Reply LS on disaster roaming and non-public network hosted by a PLMN | Agreed | *Moved from 4*  *Same as r4*  Revision of S1-211118. |
| OUT | [S1-211200](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211200.zip) | Samsung | [DRAFT] LS Reply on disaster roaming and non-public network hosted by a PLMN | Noted |  |
| Cont | [S1-211199](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211199.zip) | Samsung | MINT and CAG | Noted |  |
| **Unified Access Control (UAC) for RedCap e-Thread: [LS S1-211278]** | | | | | |
| IN | [S1-211278](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211278.zip) | RP-210919 | LS on Unified Access Control (UAC) for RedCap | Noted |  |
| CC | [S1-211266](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211266.zip) | C1-212395 | Reply LS on Unified Access Control (UAC) for RedCap | Noted |  |
| OUT | [S1-211038](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211038.zip) | Vivo | [DRAFT] Reply LS on Unified Access Control (UAC) for RedCap | Noted |  |
| Cont | [S1-211039](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211039.zip) | Vivo | Discussion on UAC for RedCap devices | Noted |  |
| CR | [S1-211042](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211042.zip) | Vivo | CR22.261v17.6.0 UAC for Redcap devices | Noted | *WI code* Smarter\_Ph2, eCAV, CMED, cyberCAV *Rel-17 CR0516R1 Cat B* |
| CR | [S1-211043](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211043.zip) | Vivo | CR22.261v18.2.0 UAC for Redcap devices | Noted | *WI code* Smarter\_Ph2, eCAV, CMED, cyberCAV *Rel-18 CR0517R1 Cat A* |
| OUT | [S1-211119](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211119.zip) | NTT DOCOMO | [DRAFT] Reply LS on Unified Access Control (UAC) for RedCap | Merge 156rX |  |
| OUT | [S1-211156](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211156r3.zip) | Huawei, Huawei Device | Reply LS on Unified Access Control (UAC) for RedCap | Revised to S1-211363 | 156r3 (no track changes and fix typo) |
| OUT | [S1-211363](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211363r2.zip) | Huawei, Huawei Device | Reply LS on Unified Access Control (UAC) for RedCap | Agreed | *Same as 156r3*  Revision of S1-211156. |
| Cont | [S1-211155](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211155.zip) | Huawei, Huawei Device | Discussion on whether introduce new UAC AC and AI for RedCap UE | Noted |  |
| OUT | [S1-211239](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211239.zip) | Qualcomm | Reply LS on UAC for RedCap | Noted |  |
| Cont | [S1-211260](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211260.zip) | Qualcomm | Considerations on UAC for RedCap | Noted |  |
| **Hold and forward buffer support for VIAPA services e-Thread: [LS S1-211280]** | | | | | |
| IN | [S1-211280](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211280.zip) | S2-2102014 | LS on hold and forward buffer support for VIAPA services | Noted |  |
| CC | [S1-211283](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211283.zip) | S4-210619 | Reply LS to SA2 on hold and forward buffer support for VIAPA services | Noted |  |
| OUT | [S1-211243](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211243r1.zip) | Qualcomm | Reply LS on hold and forward buffer | Revised to S1-211324 | R2(no track changes, correct format and DRAF word) |
| OUT | [S1-211324](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211324.zip) | Qualcomm | Reply LS on hold and forward buffer | Agreed | *Same as R2*  Revision of S1-211243. |
| OUT | [S1-211290](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211290.zip) | Nokia | [DRAFT] LS to SA2 (cc SA4) on hold and forward buffer support for VIAPA services | Noted |  |
| **Media-Related Services and Requirements e-Thread: [LS S1-211286]** | | | | | |
| IN | [S1-211286](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211286.zip) | S4-210680 | LS on Media-Related Services and Requirements | Noted |  |
| OUT | [S1-211099](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211099.zip) | Qualcomm | LS Response on Media-Related Services and Requirements | Noted |  |
| OUT | [S1-211229](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211229r2.zip) | China Mobile | LS Response on Media-Related Services and Requirements | Revised to S1-211364 | 229r2 |
| OUT | [S1-211364](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211364.zip) | China Mobile | LS Response on Media-Related Services and Requirements | Agreed | *Same as 229r2*  Revision of S1-211229. |
| **Incoming LSs proposed to be noted [CC and others] e-Thread: [LS ToNote]** | | | | | |
| IN | [S1-211276](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211276.zip) | R2-2104640 | Reply LS on support of PWS over SNPN | Noted |  |
| CC | [S1-211288](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211288.zip) | SP-210263 | LS on the support for eCall over IMS over SNPN | Noted |  |
| IN | [S1-211271](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211271.zip) | ETSI SmartM2M | LS on the start of ETSI STF601 about Cross-domain usability of IoT devices for humans and machines | Noted |  |
| IN | [S1-211272](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211272.zip) | GSMA ACJA | Promotion of ACJA WebTalk The Power of Partnership – Clear  Skies Ahead for Connected Drones | Noted |  |
| IN | [S1-211273](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211273.zip) | GSMA ACJA LS\_UAV | 3GPP SA1 clarifications on problematic UAV | Postponed |  |
| IN | [S1-211274](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211274.zip) | 5G-ACIA-LS-2021-001 | LS on 5G capabilities exposure for factories of the future | Noted |  |
| CC | [S1-211277](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211277.zip) | RP-210884 | Reply LS on 3GPP NR Rel-16 URLLC and IIoT performance evaluation | Noted |  |
| CC | [S1-211267](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211267.zip) | C1-212539 | LS to ITU-T on extraterritorial use of MCC+MNC for satellite networks | Noted |  |
| CC | [S1-211270](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211270.zip) | C1-212601 | LS on limited service availability of an SNPN | Noted |  |
| CC | [S1-211275](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211275.zip) | R2-2102489 | Clarification request for eNPN features | Noted |  |
| CC | [S1-211279](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211279.zip) | S2-2101076 | Reply LS on clarification request for eNPN features | Noted |  |
| CC | [S1-211285](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211285.zip) | S1-210283/ R2-2102489 | Clarification request for eNPN features | Noted |  |
| CC | [S1-211282](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211282.zip) | S3i210282 | Reply LS on UE location aspects in NTN | Noted |  |
| IN | [S1-211287](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211287.zip) | ITU-T FG-VM | LS on the latest results on the Vehicular Multimedia deliverables from ITU FG-VM | Noted |  |
| IN | [S1-211291](C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\docs\\S1-211291.zip) | ITU-T SG16-LS241 | LS on new work item F.MOCN-MS "Requirements for multi-operator core network enabled multimedia services" | Noted |  |
| IN | [S1-211292](C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\docs\\S1-211292.zip) | ITU-T SG16-LS263 | LS on a new work item for requirements of interactive immersive services ITU-T H.IIS-reqts | Noted |  |
| IN | [S1-211284](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211284.zip) | S1-210279/ C1-210437 | LS on selecting a PLMN not allowed in the country where a UE is physically located | Withdrawn |  |
| New Study and Work Items (including related contributions) | | | | | |
| **New SIDs (Rel19)** | | | | | |
| SID | [S1-211120](C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\docs\\S1-211120.zip) | OPPO | New SID: Study on Wireless Power Sourcing enabled Communication Services in 5GS | Noted | Authors agreed to bring back the contribution next SA1#95. |
| Cont | [S1-211121](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211121.zip) | OPPO | Motivation of support wireless power sourcing enabled communication services in 5GS | Noted | Authors agreed to bring back the contribution next SA1#95. |
| **New WIDs (with a previous study)** | | | | | |
| Cont | [S1-211316](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211316r1.zip) | Chair & MCC | Proposed revision of section 8 of the WID template | Endorsed | 316r1 endorsed |
| WID | [S1-211066](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211066r4.zip) | OPPO | New WID on AI/ML model transfer in 5GS | Revised to S1-211365 | **e-Thread: [NewWID – AMMT]**  066r5 (LGE as supporting company) |
| WID | [S1-211365](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211365.zip) | OPPO | New WID on AI/ML model transfer in 5GS | Agreed | ***e-Thread: [NewWID – AMMT]***  *Same as 066r5*  **Revision of S1-211066.** |
| WID | [S1-211113](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211113.zip) | China Mobile | New WID on Evolution of IMS Multimedia Telephony Service | Revised to S1-211134 |  |
| WID | [S1-211134](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211134.zip) | China Mobile | New WID on Evolution of IMS Multimedia Telephony Service | Revised to S1-211366 | **e-Thread: [NewWID – MMTELin5G]**  Revision of S1-211113.  134r3 (new acrnym eMMTEL, section 2.2 line to sec 2.3) |
| WID | [S1-211366](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211366.zip) | China Mobile | New WID on Evolution of IMS Multimedia Telephony Service | Agreed | ***e-Thread: [NewWID – MMTELin5G]***  *Revision of S1-211113.*  *Same as 134r3*  **Revision of S1-211134.** |
| WID | [S1-211235](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211235.zip) | Qualcomm | New WID: 5G Networks Providing Access to Localized Services | Revised to S1-211367 | **e-Thread: [NewWID – PALS]**  235r8 (second objective “between operator’s networks.”) |
| WID | [S1-211367](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211367.zip) | Qualcomm | New WID: 5G Networks Providing Access to Localized Services | Agreed | ***e-Thread: [NewWID – PALS]***  *Same as 235r8*  **Revision of S1-211235.** |
| WID | [S1-211151](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211151r1.zip) | China Telecom | WID on Smart Energy and Infrastructure | Revised to S1-211368 | **e-Thread: [NewWID –** **SEI]**  151r1 |
| WID | [S1-211368](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211368.zip) | China Telecom | WID on Smart Energy and Infrastructure | Agreed | ***e-Thread: [NewWID –******SEI]***  *Same as**151r1*  **Revision of S1-211151.** |
| WID | [S1-211215](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211215r1.zip) | China Mobile | new WID on supporting tactile and multi-modality communication service | Noted | **e-Thread: [NewWID – TACMM]**  215r1 |
| WID | [S1-211251](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211251.zip) | Qualcomm | New WID on Vehicle Relays | Revised to S1-211501 | **e-Thread: [NewWID – VMR]**  251r2 |
| WID | [S1-211501](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211501.zip) | Qualcomm | New WID on Vehicle Relays | Noted | ***e-Thread: [NewWID – VMR]***  *Same as 251r2*  **Revision of S1-211251.** |
| WID | [S1-211086](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211086r3.zip) | Vivo | Service requirements for Network of Networks | Noted | **e-Thread: [NewWID – NETNET]**  086r2 |
| Cont | [S1-211296](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211296.zip) | Nokia | Opportunity of creating a new TS for covering different “5G enhanced” services | Noted | **e-Thread: [NewWID – OneTs]**  **Global** |
| **Mini WIDs** | | | | | |
| **NPNC e-Thread: [NewWID – NPNC]** | | | | | |
| WID | [S1-211055](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211055.zip) | Philips | New WID on clarifying NPN requirements | Noted |  |
| Cont | [S1-211057](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211057.zip) | Philips | Justification and discussion on clarifying NPN requirements | Noted |  |
| CR | [S1-211058](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211058r1.zip) | Philips | CR18.2.0v18.2.0 Clarification of NPN requirements in 22.261 | Noted | *WI code Dummy* *Rel-18 CR0518R- Cat B* |
| **MPS\_WLAN e-Thread: [NewWID – MPS\_WLAN]** | | | | | |
| WID | [S1-211097](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211097.zip) | Perspecta Labs, CISA ECD, AT&T, T-Mobile US, Verizon | New WID on MPS when access to EPC/5GC is WLAN | Noted |  |
| CR | [S1-211098](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211098r1.zip) | Perspecta Labs, CISA ECD, AT&T, T-Mobile US, Verizon | CR22.153v17.2.0 MPS when access to EPC/5GC is WLAN | Noted | *WI code -* *Rel-18 CRXXXXR- Cat B*  *Format errors in cover page. No CR number.* |
| **UEset e-Thread: [NewWID – UEset]** | | | | | |
| WID | [S1-211123](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211123.zip) | NTT DOCOMO | New WID on UE's usage setting update | Noted |  |
| CR | [S1-211124](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211124r02.zip) | NTT DOCOMO | CR22.261v18.2.0 UE's usage setting update | Noted | *WI code* UEset *Rel-18 CR0521R- Cat C* |
| **eCAV2 e-Thread: [NewWID – eCAV2]** | | | | | |
| WID | [S1-211256](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211256.zip) | Qualcomm | New mini WID on eCAV enhancements | Noted |  |
| CR | [S1-211257](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211257.zip) | Qualcomm | CR22.104v18.0.0 on eCAV enhancements | Noted | *WI code* eCAV2 *Rel-18 CR0074R- Cat B* |
| **SENSE e-Thread: [NewWID – SENSE]** | | | | | |
| WID | [S1-211048](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211048r2.zip) | Deutsche Telekom, Charter Communications, China Telecom, KDDI, KPN, Orange, Telecom Italia, Convida Wireless, IDEMIA, LG Electronics, Philips, Thales, vivo | WID Signal level Enhanced Network Selection | Revised to S1-211369 | 048r3 (removing “”~~to a data-centric or data-only UE”,~~  removing sec 8. And changing timeline, clean track changes). |
| WID | [S1-211369](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211369.zip) | Deutsche Telekom, Charter Communications, China Telecom, KDDI, KPN, Orange, Telecom Italia, Convida Wireless, IDEMIA, LG Electronics, Philips, Thales, vivo | WID Signal level Enhanced Network Selection | Agreed | *Same as 048r3*  Revision of S1-211048. |
| CR | [S1-211050](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211050r4.zip) | Deutsche Telekom, Charter Communications, China Telecom, KDDI, KPN, Orange, Telecom Italia, Convida Wireless, IDEMIA, LG Electronics, Philips, Thales, vivo | CR22.011v17.3.0 Signal level Enhanced Network Selection | Revised to S1-211370 | *WI code Dummy* *Rel-18 CR0322R1 Cat B*  050r5 tech. endorsed (introduced square brackets [For a data-centric or data-only UE]) based for future discussions |
| CR | [S1-211370](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211370.zip) | Deutsche Telekom, Charter Communications, China Telecom, KDDI, KPN, Orange, Telecom Italia, Convida Wireless, IDEMIA, LG Electronics, Philips, Thales, vivo | CR22.011v17.3.0 Signal level Enhanced Network Selection | tech. endorsed | *WI code Dummy Rel-18 CR0322R1 Cat B*  *Same as 050r5. This CR will not be sent to the plenary.*  Revision of S1-211050. |
| Cont | [S1-211163](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211163.zip) | Apple | Network selection improvements for long-lasting connectivity problems | Noted |  |
| CR | [S1-211165](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211165.zip) | Apple | CR22.011v17.3.0 on Network Selection for long-lasting connection problems | Noted | *WI code* SENSE *Rel-18 CR0323R- Cat B* |
| **SCVS e-Thread: [NewWID – SCVS]** | | | | | |
| Cont | [S1-211105](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211105.zip) | Xiaomi | 5G system with satellite access to Support Control and/or Video Surveillance | Noted |  |
| WID | [S1-211106](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211106r4.zip) | Xiaomi | New WID on 5G system with satellite access to Support Control and/or Video Surveillance | Revised to S1-211371 | 106r5 (no track changes and update timeless to SA#93) |
| WID | [S1-211371](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211371.zip) | Xiaomi | New WID on 5G system with satellite access to Support Control and/or Video Surveillance | Agreed | *Same as 106r5*  Revision of S1-211106. |
| CR | [S1-211107](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211107r2.zip) | Xiaomi | CR22.261v18.2.0 Update to KPIs for a 5G system with satellite access for support control and/or video surveillance | Noted | *WI code* SCVC *Rel-18 CR0519R- Cat B*  107r1 |
| **5GHAPS e-Thread: [NewWID – 5GHAPS]** | | | | | |
| WID | [S1-211162](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211162.zip) | China Unicom | 5G system with High Altitude Platform Station (HAPS) | Noted | Orig  (o: Sony, LG) |
| Cont | [S1-211161](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211161.zip) | China Unicom | Discussion on 5G system with HAPS | Noted |  |
| Cont | [S1-211299](C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\docs\\S1-211299.zip) | China Unicom | Motivation of new WID on 5G system with High Altitude Platform Station (HAPS) | Noted |  |
| CR | [S1-211164](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211164r1.zip) | China Unicom | CR22.261v18.2.0 KPI for 5G system with HAPS | Noted | *WI code* HAPS *Rel-18 CR0522R- Cat B*  *164r1*  (o: Sony, LG) |
| **5GSATB e-Thread: [NewWID – 5GSATB]** | | | | | |
| WID | [S1-211176](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211176r3.zip) | CATT, China Telecom | New WID on 5G system with satellite backhaul | Revised to S1-211372 | 173r4 (removing sec 8) |
| WID | [S1-211372](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211372.zip) | CATT, China Telecom | New WID on 5G system with satellite backhaul | Agreed | *Same as 173r4*  Revision of S1-211176. |
| Cont | [S1-211175](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211175.zip) | CATT, China Telecom | Discussion on satellite backhaul | Noted |  |
| CR | [S1-211179](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211179r3.zip) | CATT, China Telecom | CR22.261v18.2.0 Requirements for satellite backhaul | Revised to S1-211373 | *WI code* 5GSATB *Rel-18 CR0525R- Cat B*  179r3 |
| CR | [S1-211373](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211373.zip) | CATT, China Telecom | CR22.261v18.2.0 Requirements for satellite backhaul | Agreed | *WI code 5GSATB Rel-18 CR0525R- Cat B*  *Same as 179r3*  Revision of S1-211179. |
| OUT | [S1-211117](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211117.zip) | LG Electronics | Reply LS on HPLMN control of devices that should not use disaster roaming service | Moved to 3 |  |
| OUT | [S1-211118](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211118.zip) | LG Electronics | Reply LS on disaster roaming and non-public network hosted by a PLMN | Moved to 3 |  |
| CR | [S1-211108](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211108.zip) | Xiaomi | CR22.261v18.2.0 Clarification to services provided by 5G satellite access | Moved to 8 | *WI code* TEI18 *Rel-18 CR0520R- Cat F* |
| 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. | | | | | |
| Cont | [S1-211035](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211035.zip) | Siemens, Nokia, Nokia Shanghai Bell | Discussion of quality improvement CRs (in particular S1-211025, S1-211026, and S1-211030) | Noted | No discussion thread. Discussions will be focused on independent CRs |
| CR | [S1-211022](file:///C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\Docs\\S1-211022.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – update of Annex C | Revised to S1-211374 | **e-Thread: [CR\_Quality- 1]**  *WI code* TEI18 *Rel-18 CR0508R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV*  022r2 agreed |
| CR | [S1-211374](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211374.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – update of Annex C | Agreed | ***e-Thread: [CR\_Quality- 1]***  *WI code TEI18 Rel-18 CR0508R0 Cat D*  *Same as 022r2*  **Revision of S1-211022.** |
| CR | [S1-211024](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211024.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 – quality improvement – addition of new annex (relationship between reliability and communication service availability) | Revised to S1-211375 | **e-Thread: [CR\_Quality- 2]**  *WI code* TEI18 *Rel-18 CR0066R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV*  024r3 agreed |
| CR | [S1-211375](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211375.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 – quality improvement – addition of new annex (relationship between reliability and communication service availability) | Agreed | ***e-Thread: [CR\_Quality- 2]***  *WI code TEI18 Rel-18 CR0066R0 Cat D*  *Same as 024r3*  **Revision of S1-211024.** |
| CR | [S1-211025](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211025.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v17.6.0 – quality improvement – updating the definition of communication service availability | Revised to S1-211376 | **e-Thread: [CR\_Quality- 3]**  *WI code* TEI18 *Rel-17 CR0510R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV*  025r4 agreed |
| CR | [S1-211376](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211376.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v17.6.0 – quality improvement – updating the definition of communication service availability | Agreed | ***e-Thread: [CR\_Quality- 3]***  *WI code TEI18 Rel-17 CR0510R0 Cat D*  *Same as 025r4*  **Revision of S1-211025.** |
| CR | S1-211294 | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – updating the definition of communication service availability | Revised to S1-211377 | **e-Thread: [CR\_Quality- 3]**  *WI code* TEI18 *Rel-18 CR0530R- Cat A*  294r1 agreed |
| CR | [S1-211377](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211377.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – updating the definition of communication service availability | Agreed | ***e-Thread: [CR\_Quality- 3]***  *WI code TEI18 Rel-18 CR0530R- Cat A*  *Same as 294r1*  **Revision of S1-211294.** |
| CR | [S1-211026](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211026.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.104v17n.X.X quality improvement – update of communication service definition | Revised to S1-211378 | **e-Thread: [CR\_Quality- 4]**  *WI code* TEI17 *Rel-17 CR0067R0 Cat D*  *Revision should be -. WI code would be better with TEl-18, eCAV*  026r4 agreed |
| CR | [S1-211378](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211378.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.104v17n.X.X quality improvement – update of communication service definition | Agreed | ***e-Thread: [CR\_Quality- 4]***  *WI code TEI17 Rel-17 CR0067R0 Cat D*  *Same as 026r4*  **Revision of S1-211026.** |
| CR | S1-211295 | Siemens, Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 – quality improvement – update of communication service definition | Revised to S1-211379 | **e-Thread: [CR\_Quality- 4]**  *WI code* TEI18 *Rel-18 CR0075R0 Cat D*  295r1 agreed |
| CR | [S1-211379](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211379.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 – quality improvement – update of communication service definition | Agreed | ***e-Thread: [CR\_Quality- 4]***  *WI code TEI18 Rel-18 CR0075R0 Cat D*  *Same as 295r1*  **Revision of S1-211295.** |
| CR | [S1-211027](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211027.zip) | Volkswagen AG, Siemens, Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 – quality improvement – update of mobile-robots use case description | Revised to S1-211380 | **e-Thread: [CR\_Quality- 5]**  *WI code* TEI18 *Rel-18 CR0068R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV*  027r2 agreed |
| CR | [S1-211380](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211380.zip) | Volkswagen AG, Siemens, Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 – quality improvement – update of mobile-robots use case description | Agreed | ***e-Thread: [CR\_Quality- 5]***  *WI code TEI18 Rel-18 CR0068R0 Cat D*  *Same as 027r2*  **Revision of S1-211027.** |
| CR | [S1-211028](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211028.zip) | Volkswagen, Siemens, Spreadtrum, Nokia, Nokia Shanghai Bell, ETRI | CR22.104v18.0.0 – quality improvement – correction of mobile-robot use cases (UE number) | Revised to S1-211381 | **e-Thread: [CR\_Quality- 6]**  *WI code* TEI18 *Rel-18 CR0069R0 Cat F*  *Revision should be -. WI code would be better with TEl18, eCAV*  028r2 agreed |
| CR | [S1-211381](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211381.zip) | Volkswagen, Siemens, Spreadtrum, Nokia, Nokia Shanghai Bell, ETRI | CR22.104v18.0.0 – quality improvement – correction of mobile-robot use cases (UE number) | Agreed | ***e-Thread: [CR\_Quality- 6]***  *WI code TEI18 Rel-18 CR0069R0 Cat F*  *Same as 028r2*  **Revision of S1-211028.** |
| CR | [S1-211029](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211029.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 – quality improvement – service duration | Revised to S1-211382 | **e-Thread: [CR\_Quality- 7]**  *WI code* TEI18 *Rel-18 CR0070R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV*  029r1 agreed |
| CR | [S1-211382](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211382.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 – quality improvement – service duration | Agreed | ***e-Thread: [CR\_Quality- 7]***  *WI code TEI18 Rel-18 CR0070R0 Cat D*  *Same as 029r1*  **Revision of S1-211029.** |
| CR | [S1-211030](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211030.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 – quality improvement – update of Annex C.1 | Withdrawn | **e-Thread: [CR\_Quality- 8]**  *WI code* TEI18 *Rel-18 CR0071R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV* |
| CR | [S1-211031](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211031.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v17.6.0 – quality improvement – clarification of QoS-monitoring requirement | Revised to S1-211383 | **e-Thread: [CR\_Quality- 9]**  *WI code* TEI18 *Rel-17 CR0511R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV*  031r4 |
| CR | [S1-211383](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211383.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v17.6.0 – quality improvement – clarification of QoS-monitoring requirement | Agreed | ***e-Thread: [CR\_Quality- 9]***  *WI code TEI18 Rel-17 CR0511R0 Cat D*  *Same as 031r4*  **Revision of S1-211031.** |
| CR | [S1-211314](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211314.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – clarification of QoS-monitoring requirement | Agreed | **e-Thread: [CR\_Quality- 9]**  *WI code* TEI18 *Rel-18 CR0531R- Cat A* |
| CR | [S1-211032](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211032.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – update of annex D | Revised to S1-211384 | **e-Thread: [CR\_Quality- 10]**  *WI code* TEI18 *Rel-18 CR0512R0 Cat D*  *Revision should be -. WI code would be better with TEl18, Ecav*  032r2 agreed |
| CR | [S1-211384](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211384.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – update of annex D | Agreed | ***e-Thread: [CR\_Quality- 10]***  *WI code TEI18 Rel-18 CR0512R0 Cat D*  *Same as 032r2*  **Revision of S1-211032.** |
| CR | [S1-211033](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211033.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – update of clause F.1 | Revised to S1-211385 | **e-Thread: [CR\_Quality- 11]**  *WI code* TEI18 *Rel-18 CR0513R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV*  033r2 agreed |
| CR | [S1-211385](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211385.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – update of clause F.1 | Agreed | ***e-Thread: [CR\_Quality- 11]***  *WI code TEI18 Rel-18 CR0513R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV*  *Same as 033r2*  **Revision of S1-211033.** |
| CR | [S1-211034](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211034.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – voiding annex A and B | Revised to S1-211386 | **e-Thread: [CR\_Quality- 12]**  *WI code* TEI18 *Rel-18 CR0514R0 Cat D*  *Revision should be -. WI code would be better with TEl18, eCAV*  034r2 agreed |
| CR | [S1-211386](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211386.zip) | Siemens, Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 – quality improvement – voiding annex A and B | Agreed | ***e-Thread: [CR\_Quality- 12]***  *WI code TEI18 Rel-18 CR0514R0 Cat D*  *Same as 034r2*  **Revision of S1-211034.** |
| CR | [S1-211168](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211168.zip) | ETRI | CR 22.261v17.6.0 Editorial correction for network capability exposure and abbreviation | Revised to S1-211387 | **e-Thread: [CR\_Quality- 13]**  *WI code* TEI17 *Rel-17 CR0523R- Cat D*  168r1 agreed |
| CR | [S1-211387](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211387.zip) | ETRI | CR 22.261v17.6.0 Editorial correction for network capability exposure and abbreviation | Agreed | ***e-Thread: [CR\_Quality- 13]***  *WI code TEI17 Rel-17 CR0523R- Cat D*  *Same as 168r1*  **Revision of S1-211168.** |
| CR | [S1-211173](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211173.zip) | ETRI | CR 22.261v18.2.0 Editorial correction for network capability exposure and abbreviation | Revised to S1-211388 | **e-Thread: [CR\_Quality- 13]**  *WI code TEI17* *Rel-18 CR0524R- Cat A*  173r1 agreed |
| CR | [S1-211388](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211388.zip) | ETRI | CR 22.261v18.2.0 Editorial correction for network capability exposure and abbreviation | Agreed | ***e-Thread: [CR\_Quality- 13]***  *WI code TEI17 Rel-18 CR0524R- Cat A*  *Same as 173r1*  **Revision of S1-211173.** |
| CR | [S1-211223](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211223.zip) | ETRI, Siemens | CR22.263v17.6.0 Updating the definition of communication service availability | Revised to S1-211389 | **e-Thread: [CR\_Quality- 14]**  *WI code* AVPROD *Rel-17 CR0074R0 Cat D*  223r1 agreed |
| CR | [S1-211389](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211389.zip) | ETRI, Siemens | CR22.263v17.6.0 Updating the definition of communication service availability | Agreed | ***e-Thread: [CR\_Quality- 14]***  *WI code AVPROD Rel-17 CR0074R0 Cat D*  *Same as 223r1*  **Revision of S1-211223.** |
| CR | S1-211023 | Siemens | CR22.104v18.0.0 – quality improvement – addition of new annex (relationship between reliability and communication service availability) | Withdrawn |  |
| Rel-17 and earlier contributions | | | | | |
| Rel-17 correction and clarification CR | | | | | |
| CR | [S1-211077](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211077.zip) | BDBOS | CR22.280v17.5.0 Enhancement of MCX UE de-affiliation requirements | Revised to S1-211390 | **e-Thread: [CR\_Rel17- 1]**  *WI code* MONASTERY2 *Rel-18 CR0145R. Cat C*  077r2 agreed |
| CR | [S1-211390](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211390.zip) | BDBOS | CR22.280v17.5.0 Enhancement of MCX UE de-affiliation requirements | Agreed | ***e-Thread: [CR\_Rel17- 1]***  *WI code MONASTERY2 Rel-18 CR0145R. Cat C*  *Same as 077r2*  **Revision of S1-211077.** |
| Release 16 Alignment CRs (aligning Stage 1 specifications with what has been implemented in Stage 2 and 3) As Release 16 is now frozen, alignment CRs are appreciated. | | | | | |
| Rel-16 and earlier CRs (other than alignment) | | | | | |
| Rel18 contributions | | | | | |
| MMTELin5G | | | | | |
| FS\_MMTELin5G: Study on evolution of IMS multimedia telephony service [[SP-190836](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1047354)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Yan Di (China Mobile)  Latest version: [TR22.873v0.5.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.873/22873-050.zip)  Target completion date: SA#93 (09/2021)  Percentage completion: 75% | | | | **Details e-mail discussion** :  Moderator: XIA Xu  # e-threads: 4  Block A | |
| Cont | [S1-211112](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211112r2.zip) | China Mobile | FS\_MMTELin5G Use case on real-time interactive menu | Revised to S1-211391 | **e-Thread: [FS\_MMTEL- 1]**  1124r4 |
| Cont | [S1-211391](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211391.zip) | China Mobile | FS\_MMTELin5G Use case on real-time interactive menu | Agreed | ***e-Thread: [FS\_MMTEL- 1]***  *Same as 1124r4*  **Revision of S1-211112.** |
| Cont | [S1-211160](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211160r1.zip) | Huawei, China Mobile, Deutsche Telekom, Vodafone | Update to clause 5.5 “Multimedia CLIP and COLP” | Revised to S1-211392 | **e-Thread: [FS\_MMTEL- 2]**  160r1 |
| Cont | [S1-211392](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211392.zip) | Huawei, China Mobile, Deutsche Telekom, Vodafone | Update to clause 5.5 “Multimedia CLIP and COLP” | Agreed | ***e-Thread: [FS\_MMTEL- 2]***  *Same as 160r1*  **Revision of S1-211160.** |
| Cont | [S1-211110](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211110.zip) | China Mobile | FS\_MMTELin5G Additional considerations | Revised to S1-211393 | **e-Thread: [FS\_MMTEL- 3]**  110r1 |
| Cont | [S1-211393](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211393.zip) | China Mobile | FS\_MMTELin5G Additional considerations | Agreed | ***e-Thread: [FS\_MMTEL- 3]***  *Same as 110r1*  **Revision of S1-211110.** |
| Cont | [S1-211111](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211111r3.zip) | China Mobile | FS\_MMTELin5G Consolidated potential requirements | Revised to S1-211394 | **e-Thread: [FS\_MMTEL- 4]**  111r5 |
| Cont | [S1-211394](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211394.zip) | China Mobile | FS\_MMTELin5G Consolidated potential requirements | Agreed | ***e-Thread: [FS\_MMTEL- 4]***  *Same as 111r5*  **Revision of S1-211111.** |
| Cont | [S1-211142](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211142.zip) | Toyota | FS\_Resident: New use case on Multicast/Broadcast | Moved to 7.11.1 |  |
| FS\_MMTELin5G output | | | | | |
| TR | [S1-211037](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211037.zip) | China Mobile | FS\_MMTELin5G Cover Page | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| TR | [S1-211300](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211300.zip) | Rapporteur (China Mobile) | TR22.873 v0.6.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| SACI\_MCS | | | | | |
| FS\_ SACI\_MCS: Study on sharing administrative configuration between interconnected MCX Service systems [[SP-190837](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1047355)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Jens Toobe, (BDBOS)  Latest version: [TR22.881v0.4.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.881/22881-040.zip)  Target completion date: SA#91 (06/2021)  Percentage completion: 55% | | | | **Details e-mail discussion** :  Moderator: XIA Xu  # e-threads: 2  Block A | |
| Cont | [S1-211059](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211059r1.zip) | BDBOS | FS\_SACI\_MCS consolidated potential requirements | Revised to S1-211395 | **e-Thread: [FS\_ SACI\_MCS - 1]**  r1 agreed |
| Cont | [S1-211395](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211395.zip) | BDBOS | FS\_SACI\_MCS consolidated potential requirements | Agreed | ***e-Thread: [FS\_ SACI\_MCS - 1]***  *Same as r1*  **Revision of S1-211059.** |
| Cont | [S1-211084](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211084.zip) | BDBOS | FS\_SACI\_MCS Conclusions and recommendations | Agreed | **e-Thread: [FS\_ SACI\_MCS - 2]** |
| FS\_ SACI\_MCS output | | | | | |
| TR | [S1-211060](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211060.zip) | BDBOS | Cover page for presentation of TR22.881 | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| TR | [S1-211301](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211301.zip) | Rapporteur (BDBOS) | TR22.881 v0.5.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| RAILSS | | | | | |
| FS\_RAILSS: Study on Supporting of Railway Smart Station Services [[SP-190838](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1047356)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Andrew Min-gyu Han (Hansung University)  Latest version: [TR22.890v0.4.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.890/22890-040.zip)  Target completion date: SA#91 (03/2021)  Percentage completion :30% | | | | | |
| AMMT | | | | | |
| FS\_AMMT: Study on AI/ML Model Transfer in 5GS [[SP-191040](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1081940)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Jia SHEN (OPPO)  Latest version: [TR22.874v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.874/22874-100.zip)  Target completion date: SA#91 (03/2021)  Percentage completion: 75% | | | | **Details e-mail discussion** :  Moderator: Greg Schumacher  # e-threads: 16  Block A | |
| **General** | | | | | |
| Cont | [S1-211074](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211074.zip) | OPPO | FS\_AMMT – Editorial corrections | Revised to S1-211396 | **e-Thread: [FS\_ AMMT - 1]**  074r2 |
| Cont | [S1-211396](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211396.zip) | OPPO | FS\_AMMT – Editorial corrections | Agreed | ***e-Thread: [FS\_ AMMT - 1]***  *Same as 074r2*  **Revision of S1-211074.** |
| Cont | [S1-211068](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211068.zip) | OPPO | FS\_AMMT – Introduction, definitions, abbreviations and overview | Revised to S1-211397 | **e-Thread: [FS\_ AMMT - 2]**  068r2 |
| Cont | [S1-211397](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211397.zip) | OPPO | FS\_AMMT – Introduction, definitions, abbreviations and overview | Agreed | ***e-Thread: [FS\_ AMMT - 2]***  *Same as 068r2*  **Revision of S1-211068.** |
| **Former use cases** | | | | | |
| Cont | [S1-211137](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211137.zip) | OPPO | FS\_AMMT update to Split AI/ML image recognition | Revised to S1-211398 | **e-Thread: [FS\_ AMMT - 3]**  137r2 |
| Cont | [S1-211398](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211398.zip) | OPPO | FS\_AMMT update to Split AI/ML image recognition | Agreed | ***e-Thread: [FS\_ AMMT - 3]***  *Same as 137r2*  **Revision of S1-211137.** |
| Cont | [S1-211069](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211069.zip) | OPPO | Updates to AMMT use case – Split AI/ML image recognition | Revised to S1-211399 | **e-Thread: [FS\_ AMMT - 3]**  069r1 |
| Cont | [S1-211399](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211399.zip) | OPPO | Updates to AMMT use case – Split AI/ML image recognition | Agreed | ***e-Thread: [FS\_ AMMT - 3]***  *Same as 069r1*  **Revision of S1-211069.** |
| Cont | [S1-211253](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211253.zip) | Qualcomm | Update\_cleanup to Use case 5.2 | Revised to S1-211400 | **e-Thread: [FS\_ AMMT - 4]**  253r1 |
| Cont | [S1-211400](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211400.zip) | Qualcomm | Update\_cleanup to Use case 5.2 | Agreed | ***e-Thread: [FS\_ AMMT - 4]***  *Same as 253r1*  **Revision of S1-211253.** |
| Cont | [S1-211254](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211254.zip) | Qualcomm | Update\_cleanup to Use case 5.3 | Agreed | **e-Thread: [FS\_ AMMT - 5]** |
| Cont | [S1-211070](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211070.zip) | OPPO | Updates to AMMT use case – Split control for robotics | Revised to S1-211401 | **e-Thread: [FS\_ AMMT - 6]**  070r2 |
| Cont | [S1-211401](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211401.zip) | OPPO | Updates to AMMT use case – Split control for robotics | Agreed | ***e-Thread: [FS\_ AMMT - 6]***  *Same as 070r2*  **Revision of S1-211070.** |
| Cont | [S1-211044](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211044.zip) | InterDigital, OPPO | FS\_AMMT: Clarification of description and pre-conditions of use case 5.5 | Revised to S1-211402 | **e-Thread: [FS\_ AMMT - 6]**  044r2 |
| Cont | [S1-211402](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211402.zip) | InterDigital, OPPO | FS\_AMMT: Clarification of description and pre-conditions of use case 5.5 | Agreed | ***e-Thread: [FS\_ AMMT - 6]***  *Same as 044r2*  **Revision of S1-211044.** |
| Cont | [S1-211045](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211045r2.zip) | InterDigital, OPPO | FS\_AMMT: Additional requirements for use case 5.5 | Revised to S1-211403 | **e-Thread: [FS\_ AMMT - 6]**  045r6 |
| Cont | [S1-211403](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211403.zip) | InterDigital, OPPO | FS\_AMMT: Additional requirements for use case 5.5 | Agreed | ***e-Thread: [FS\_ AMMT - 6]***  *Same as 045r6*  **Revision of S1-211045.** |
| Cont | [S1-211138](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211138.zip) | OPPO | FS\_AMMT update to AIML model distribution for image recognition | Revised to S1-211404 | **e-Thread: [FS\_ AMMT - 7]**  138r4 |
| Cont | [S1-211404](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211404.zip) | OPPO | FS\_AMMT update to AIML model distribution for image recognition | Agreed | ***e-Thread: [FS\_ AMMT - 7]***  *Same as 138r4*  **Revision of S1-211138.** |
| Cont | [S1-211071](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211071.zip) | OPPO | Updates to AMMT use case – AI/ML model distribution for image recognition | Revised to S1-211405 | **e-Thread: [FS\_ AMMT - 7]**  071r1 |
| Cont | [S1-211405](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211405.zip) | OPPO | Updates to AMMT use case – AI/ML model distribution for image recognition | Agreed | ***e-Thread: [FS\_ AMMT - 7]***  *Same as 071r1*  **Revision of S1-211071.** |
| Cont | [S1-211252](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211252.zip) | Qualcomm | Update\_cleanup to Use case 6.5 | Revised to S1-211406 | **e-Thread: [FS\_ AMMT - 8]**  252r1 |
| Cont | [S1-211406](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211406.zip) | Qualcomm | Update\_cleanup to Use case 6.5 | Agreed | ***e-Thread: [FS\_ AMMT - 8]***  *Same as 252r1*  **Revision of S1-211252.** |
| Cont | [S1-211190](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211190.zip) | Nokia, Nokia Shanghai Bell | Updates to AMMT use case – Shared AI/ML model monitoring | Revised to S1-211407 | **e-Thread: [FS\_ AMMT - 9]**  190r3 |
| Cont | [S1-211407](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211407.zip) | Nokia, Nokia Shanghai Bell | Updates to AMMT use case – Shared AI/ML model monitoring | Agreed | ***e-Thread: [FS\_ AMMT - 9]***  *Same as 190r3*  **Revision of S1-211190.** |
| Cont | [S1-211212](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211212.zip) | InterDigital | FS\_AMMT: Use case update – clause 6.6 | Merge into 1190r2 | **e-Thread: [FS\_ AMMT - 9]** |
| Cont | [S1-211073](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211073.zip) | OPPO | Updates to AMMT use case – Uncompressed Federated Learning for image recognition | Revised to S1-211408 | **e-Thread: [FS\_ AMMT - 10]**  073r1 |
| Cont | [S1-211408](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211408.zip) | OPPO | Updates to AMMT use case – Uncompressed Federated Learning for image recognition | Agreed | ***e-Thread: [FS\_ AMMT - 10]***  *Same as 073r1*  **Revision of S1-211073.** |
| Cont | [S1-211144](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211144r7.zip) | TOYOTA | Update to AMMT use case - Uncompressed Federated Learning for image recognition | Revised to S1-211409 | **e-Thread: [FS\_ AMMT - 10]**  144r10 |
| Cont | [S1-211409](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211409.zip) | TOYOTA | Update to AMMT use case - Uncompressed Federated Learning for image recognition | Agreed | ***e-Thread: [FS\_ AMMT - 10]***  *Same as 144r10*  **Revision of S1-211144.** |
| Cont | [S1-211261](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211261r3.zip) | LG Electronics | Editorial Update for Compressed Federated Learning for image/video | Revised to S1-211410 | **e-Thread: [FS\_ AMMT - 11]**  261r3 |
| Cont | [S1-211410](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211410.zip) | LG Electronics | Editorial Update for Compressed Federated Learning for image/video | Agreed | ***e-Thread: [FS\_ AMMT - 11]***  *Same as 261r3*  **Revision of S1-211261.** |
| Cont | [S1-211217](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211217r2.zip) | LG Electronics | Clean-up for Data Transfer Disturbance in Multi-agent multi-device ML Operations | Noted | **e-Thread: [FS\_ AMMT - 12]**  217r2 |
| Cont | [S1-211072](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211072.zip) | OPPO | Updates to AMMT use case – AI/ML model distribution for speech recognition | Revised to S1-211411 | **e-Thread: [FS\_ AMMT - 13]**  072r1 |
| Cont | [S1-211411](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211411.zip) | OPPO | Updates to AMMT use case – AI/ML model distribution for speech recognition | Agreed | ***e-Thread: [FS\_ AMMT - 13]***  *Same as 072r1*  **Revision of S1-211072.** |
| **Consolidation** | | | | | |
| Cont | [S1-211135](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211135r10.zip) | OPPO | Proposal for consolidated potential requirement in FS\_AMMT | Revised to S1-211412 | **e-Thread: [FS\_ AMMT - 14]**  *Same as* 135r10 |
| Cont | [S1-211412](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211412.zip) | OPPO | Proposal for consolidated potential requirement in FS\_AMMT | Agreed | ***e-Thread: [FS\_ AMMT - 14]***  *135r10*  **Revision of S1-211135.** |
| Cont | [S1-211067](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211067.zip) | OPPO | Proposal for AMMT consolidated requirements – KPI | Revised to S1-211413 | **e-Thread: [FS\_ AMMT - 15]**  067r8 |
| Cont | [S1-211413](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211413.zip) | OPPO | Proposal for AMMT consolidated requirements – KPI | Agreed | ***e-Thread: [FS\_ AMMT - 15]***  *Same as 067r8*  **Revision of S1-211067.** |
| Cont | [S1-211075](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211075.zip) | OPPO | FS\_AMMT – Conclusion and recommendations | Agreed | **e-Thread: [FS\_ AMMT - 16]** |
| Cont | [S1-211136](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211136.zip) | OPPO | FS\_AMMT update to Split AI/ML image recognition | Withdrawn |  |
| FS\_AMMT: output | | | | | |
| TR | [S1-211302](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211302.zip) | Rapporteur (OPPO) | Cover page for presentation/approval of TR22.874v1.1.0 | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| TR | [S1-211303](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211303.zip) | Rapporteur (OPPO) | TR22.874v1.1.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| 5GET | | | | | |
| FS\_ 5GET: Study on Services with Extra-territorial 5G systems [[SP-191042](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1081942)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Nicolas Chuberre (Thales)  Latest version: [TR22.926 v0.3.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.926/22926-030.zip)  Target completion date: SA#91 (03/2021)  Percentage completion: 50% | | | | **Details e-mail discussion** :  Moderator: Toon Norp  # e-threads: 6  Block B | |
| Cont | [S1-211317](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211317.zip) | Rapporteur (THALES) | 22.926 title correction | Endorsed |  |
| Cont | [S1-211196](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211196.zip) | Samsung | 22.926 P-CR: Scope and Overview Improvements | Revised to S1-211414 | **e-Thread: [FS\_ 5GET - 1]**  196r1 agreed |
| Cont | [S1-211414](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211414.zip) | Samsung | 22.926 P-CR: Scope and Overview Improvements | Agreed | ***e-Thread: [FS\_ 5GET - 1]***  *Same as 196r1*  **Revision of S1-211196.** |
| Cont | [S1-211191](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211191.zip) | Samsung | 22.926 P-CR: UE and Network operating in Aeronautical or Maritime Areas | Revised to S1-211415 | **e-Thread: [FS\_ 5GET - 2]**  191r2 |
| Cont | [S1-211415](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211415.zip) | Samsung | 22.926 P-CR: UE and Network operating in Aeronautical or Maritime Areas | Agreed | ***e-Thread: [FS\_ 5GET - 2]***  *Same as 191r2*  **Revision of S1-211191.** |
| Cont | [S1-211192](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211192r2.zip) | Samsung | 22.926 P-CR: Exclusion Area Aspects | Revised to S1-211416 | **e-Thread: [FS\_ 5GET - 3]**  192r2 |
| Cont | [S1-211416](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211416.zip) | Samsung | 22.926 P-CR: Exclusion Area Aspects | Agreed | ***e-Thread: [FS\_ 5GET - 3]***  *Same as 192r2*  **Revision of S1-211192.** |
| Cont | [S1-211193](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211193.zip) | Samsung | 22.926 P-CR: Regulatory Aspects of Extraterritorial Areas | Revised to S1-211417 | **e-Thread: [FS\_ 5GET - 4]**  193r1 |
| Cont | [S1-211417](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211417.zip) | Samsung | 22.926 P-CR: Regulatory Aspects of Extraterritorial Areas | Agreed | ***e-Thread: [FS\_ 5GET - 4]***  *Same as 193r1*  **Revision of S1-211193.** |
| Cont | [S1-211194](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211194.zip) | Samsung | 22.926 P-CR: UE Migration between Areas | Revised to S1-211418 | **e-Thread: [FS\_ 5GET - 5]**  194r1 |
| Cont | [S1-211418](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211418.zip) | Samsung | 22.926 P-CR: UE Migration between Areas | Agreed | ***e-Thread: [FS\_ 5GET - 5]***  *Same as 194r1*  **Revision of S1-211194.** |
| Cont | [S1-211195](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211195.zip) | Samsung | 22.926 P-CR: Regulatory Services per Location | Revised to S1-211419 | **e-Thread: [FS\_ 5GET - 6]**  195r2 |
| Cont | [S1-211419](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211419.zip) | Samsung | 22.926 P-CR: Regulatory Services per Location | Agreed | ***e-Thread: [FS\_ 5GET - 6]***  *Same as 195r2*  **Revision of S1-211195.** |
| FS\_ 5GET output | | | | | |
| TR | [S1-211304](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211304.zip) | Rapporteur (THALES) | TR22.926v0.4.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| EASNS | | | | | |
| FS\_EASNS: Study on Enhanced Access to and Support of Network Slice [[SP-200571](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1133448)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: SungDuck Chun (LG Electronics)  Latest version: [TR22.835v18.0.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.835/22835-i00.zip)  Target completion date: SA#91 (03/2021)  Percentage completion: 85% | | | | **Details e-mail discussion** :  Moderator: Mark Younge  # e-threads: 4  Block A | |
| Cont | [S1-211012](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211012r1.zip) | LG Electronics | CR22.835v18.0.0 Resolution of Editor’s NOTE and consolidation of remaining requirements in TR 22.835 | Noted | **e-Thread: [FS\_ EASNS - 1]** |
| CR | [S1-211010](C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\docs\\S1-211010r3.zip) | LG Electronics | CR22.835v18.0.0 on Resolution of Editor’s NOTE and consolidation of remaining requirements | Revised to S1-211420 | **e-Thread: [FS\_ EASNS - 1]**  *WI code*  *Rel-18 CR0001R- Cat B*  010r5 agreed |
| CR | [S1-211420](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211420.zip) | LG Electronics | CR22.835v18.0.0 on Resolution of Editor’s NOTE and consolidation of remaining requirements | Agreed | ***e-Thread: [FS\_ EASNS - 1]***  *WI code FS\_EASNS Rel-18 CR0001R- Cat B*  *Same as 010r5*  **Revision of S1-211010.** |
| CR | [S1-211018](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211018.zip) | Nokia, Nokia Shanghai Bell | CR22.835v18.0.0 Clarification on charging requirement | Agreed | **e-Thread: [FS\_ EASNS - 2]**  *WI code*  *Rel-18 CR0002R- Cat F* |
| CR | [S1-211169](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211169r2.zip) | Apple | CR22.835v18.0.0 Clarification for simultaneous access to multiple slices on different PLMNs | Revised to S1-211421 | **e-Thread: [FS\_ EASNS - 3]**  *WI code*  *Rel-18 CR0003R- Cat C*  169r4 agreed |
| CR | [S1-211421](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211421.zip) | Apple | CR22.835v18.0.0 Clarification for simultaneous access to multiple slices on different PLMNs | Agreed | ***e-Thread: [FS\_ EASNS - 3]***  *WI code FS\_EASNS Rel-18 CR0003R- Cat C*  *Same as 169r4*  **Revision of S1-211169.** |
| Cont | [S1-211177](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211177.zip) | Huawei | Discussion on network slice selection mechanism | Noted | **e-Thread: [FS\_ EASNS – 4]** |
| CR | [S1-211178](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211178r02.zip) | Huawei | CR22.835v18.0.0 Update to the requirements of application-based preference | Revised to S1-211422 | **e-Thread: [FS\_ EASNS - 4]**  *WI code*  *Rel-18 CR0004R- Cat B*  178r5 agreed |
| CR | [S1-211422](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211422.zip) | Huawei | CR22.835v18.0.0 Update to the requirements of application-based preference | Agreed | ***e-Thread: [FS\_ EASNS - 4]***  *WI code FS\_EASNS Rel-18 CR0004R- Cat B*  *Same as 178r5*  **Revision of S1-211178.** |
| EASNS: Enhanced Access to and Support of Network Slice [[SP-210210](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1201169)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: SungDuck Chun (LG Electronics)  Target completion date: SA#93 (09/2021)  Percentage completion: 0% | | | | **Details e-mail discussion** :  Moderator: Mark Younge  # e-threads: 1  Block A | |
| CR | [S1-211011](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211011r2.zip) | LG Electronics | New service requirements for EASNS | Revised to S1-211423 | **e-Thread: [EASNS - 1]**  011r4 |
| CR | [S1-211423](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211423.zip) | LG Electronics | New service requirements for EASNS | Agreed | ***e-Thread: [EASNS - 1]***  *Same as 011r4*  **Revision of S1-211011.** |
| OffNetRail | | | | | |
| FS\_OffNetRail: Study on Off-Network for Rail [[SP-200572](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1133449)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Guillaume Gach (UIC)  Latest version: [TR22.990v0.3.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.990/22990-030.zip)  Target completion date: SA#91 (06/2021)  Percentage completion: 50% | | | | | |
| Cont | [S1-211021](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211021.zip) | KRRI | “Virtual coupling” use case | Noted | Authors agreed to bring back the contribution next SA1#95. |
| 5TRS | | | | | |
| FS\_5TRS: Study New SID on 5G Timing Resiliency System [[SP-200573](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1133450)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Betsy Covell (Nokia)  Latest version: [TR22.878v18.0.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.878/22878-i00.zip)  Target completion date: SA#91 (03/2021)  Percentage completion: 97% | | | | **Details e-mail discussion** :  Moderator: Jose Almodovar  # e-threads: 3  Block B | |
| CR | [S1-211013](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211013.zip) | Nokia, Nokia Shanghai Bell | CR22.878v18.0.0.0 Update of inclusive language | Agreed | **e-Thread: [FS\_5TRS - 1]**  *WI code* FS\_5TRS *Rel-18 CR0001R- Cat D* |
| Cont | [S1-211147](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211147.zip) | Huawei | Discussion on Holdover | Noted | **e-Thread: [FS\_5TRS - 2]** |
| CR | [S1-211148](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211148r3.zip) | Huawei | CR22.878v18.0.0.0 Corrections of holdover related aspects | Revised to S1-211424 | **e-Thread: [FS\_5TRS - 2]**  *WI code* FS\_5TRS *Rel-18 CR0002 R- Cat F*  *R5 (no changes on cover page)* |
| CR | [S1-211424](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211424.zip) | Huawei | CR22.878v18.0.0.0 Corrections of holdover related aspects | Agreed | ***e-Thread: [FS\_5TRS - 2]***  *WI code FS\_5TRS Rel-18 CR0002 R- Cat F*  *Same as r5*  **Revision of S1-211148.** |
| CR | [S1-211255](C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\docs\\S1-211255r1.zip) | Qualcomm | CR22.878v18.0.0.0 Clarifications to 5TRS requirements | Noted | **e-Thread: [FS\_5TRS - 3]**  Needs to be converted to a CR |
| 5TRS: 5G Timing Resiliency System [[SP-210211](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1201170)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Betsy Covell (Nokia)  Target completion date: SA#93 (09/2021)  Percentage completion: 0% | | | | **Details e-mail discussion** :  Moderator: Jose Almodovar  # e-threads: 2  Block B | |
| CR | [S1-211016](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211016r6.zip) | Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 5G timing resiliency | Revised to S1-211425 | **e-Thread: [5TRS - 1]**  *WI code*  *Rel-18 CR0507 R- Cat B*  016r7 (no x in the requirements and clean changes on changes) |
| CR | [S1-211425](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211425.zip) | Nokia, Nokia Shanghai Bell | CR22.261v18.2.0 5G timing resiliency | Agreed | ***e-Thread: [5TRS - 1]***  *WI code 5TRS Rel-18 CR0507 R- Cat B*  *Same as 016r7*  **Revision of S1-211016.** |
| CR | [S1-211017](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211017r1.zip) | Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 5G timing resiliency | Revised to S1-211426 | **e-Thread: [5TRS - 2]**  *WI code*  *Rel-18 CR0065 R- Cat B*  017r2 |
| CR | [S1-211426](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211426.zip) | Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 5G timing resiliency | Agreed | ***e-Thread: [5TRS - 2]***  *WI code 5TRS Rel-18 CR0065 R- Cat B*  *Same as 017r2*  **Revision of S1-211017.** |
| 5GSEI | | | | | |
| FS\_5GSEI: Study on 5G Smart Energy and Infrastructure (FS\_5GSEI) [[SP-200574](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1133451)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: XIA Xu (China Telecom)  Latest version: [TR22.867v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.867/22867-100.zip)  Target completion date: SA#92 (06/2021)  Percentage completion: 75% | | | | **Details e-mail discussion** :  Moderator: Jose Almodovar  # e-threads: 10  Block B | |
| **Former use cases** | | | | | |
| Cont | [S1-211101](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211101.zip) | CEPRI, ZTE Corporation, China Telecom | remove the editor notes in section 5.1.5 and 5.1.6 | Agreed | **e-Thread: [FS\_5GSEI - 1]** |
| Cont | [S1-211102](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211102.zip) | CEPRI, ZTE Corporation, China Telecom | Add reference for KPI in section 5.2 | Revised to S1-211427 | **e-Thread: [FS\_5GSEI - 2]**  102r1 agreed |
| Cont | [S1-211427](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211427.zip) | CEPRI, ZTE Corporation, China Telecom | Add reference for KPI in section 5.2 | Agreed | ***e-Thread: [FS\_5GSEI - 2]***  *Same as 102r1*  **Revision of S1-211102.** |
| Cont | [S1-211103](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211103.zip) | CEPRI, ZTE, China Telecom | remove the editor notes in section 5.3 | Revised to S1-211428 | **e-Thread: [FS\_5GSEI - 3]**  103r1 agreed |
| Cont | [S1-211428](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211428.zip) | CEPRI, ZTE, China Telecom | remove the editor notes in section 5.3 | Agreed | ***e-Thread: [FS\_5GSEI - 3]***  *Same as 103r1*  **Revision of S1-211103.** |
| Cont | [S1-211104](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211104.zip) | ZTE, China Telecom, CEPRI | update KPI table and question to section 5.5.6 | Revised to S1-211429 | **e-Thread: [FS\_5GSEI - 4]**  104r1 agreed |
| Cont | [S1-211429](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211429.zip) | ZTE, China Telecom, CEPRI | update KPI table and question to section 5.5.6 | Agreed | ***e-Thread: [FS\_5GSEI - 4]***  *Same as 104r1*  **Revision of S1-211104.** |
| Cont | [S1-211206](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211206.zip) | Samsung, EUTC | Availability considerations for critical energy distribution substations | Noted | **e-Thread: [FS\_5GSEI - 5]** |
| Cont | [S1-211208](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211208r7.zip) | Samsung, EUTC | 22.867 P-CR: FS\_5GSEI P-CR for 5.7 – revisiting requirements | Revised to S1-211430 | **e-Thread: [FS\_5GSEI - 5]**  208r8 (inclusion Editor’s NOTE: This use case does not suggest a mandated industrial approach or standard. This sentence will be revisited.) |
| Cont | [S1-211430](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211430.zip) | Samsung, EUTC | 22.867 P-CR: FS\_5GSEI P-CR for 5.7 – revisiting requirements | Agreed | ***e-Thread: [FS\_5GSEI - 5]***  *Same as 208r8*  **Revision of S1-211208.** |
| Cont | [S1-211109](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211109.zip) | CEPRI, ZTE, China Telecom | Add a KPI table for section 5.8 | Revised to S1-211431 | **e-Thread: [FS\_5GSEI - 6]**  109r1 agreed |
| Cont | [S1-211431](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211431.zip) | CEPRI, ZTE, China Telecom | Add a KPI table for section 5.8 | Agreed | ***e-Thread: [FS\_5GSEI - 6]***  *Same as 109r1 agreed*  **Revision of S1-211109.** |
| Cont | [S1-211141](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211141r1.zip) | Huawei | Update to the Use Case of 5\_13 supporting communication for the transmission of synchrophasors in wide-area smart grid | Revised to S1-211432 | **e-Thread: [FS\_5GSEI - 7]**  **r2 (correcting typos in req.**  [CPR 017] The 5G System should support the IEC 61850-9-3 [29] profile and IEEE Std C37.238-2017 [24.) |
| Cont | [S1-211432](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211432.zip) | Huawei | Update to the Use Case of 5\_13 supporting communication for the transmission of synchrophasors in wide-area smart grid | Agreed | ***e-Thread: [FS\_5GSEI - 7]***  *Same as 432****r2***  **Revision of S1-211141.** |
| Cont | [S1-211170](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211170r1.zip) | Huawei | Update to the Use Case of 5\_16 Protection of DER and grid interconnection | Revised to S1-211433 | **e-Thread: [FS\_5GSEI - 8]**  170r3 |
| Cont | [S1-211433](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211433.zip) | Huawei | Update to the Use Case of 5\_16 Protection of DER and grid interconnection | Agreed | ***e-Thread: [FS\_5GSEI - 8]***  *Same as 170r3*  **Revision of S1-211170.** |
| **Former use cases** | | | | | |
| Cont | [S1-211153](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211153r5.zip) | China Telecom | Proposal for consolidated potential requirements in FS\_5GSEI | Revised to S1-211434 | **e-Thread: [FS\_5GSEI - 9]**  153r6 (correcting typos in req [CPR 017] The 5G System should support the IEC 61850-9-3 [29] profile and IEEE Std C37.238-2017 [24]) |
| Cont | [S1-211434](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211434.zip) | China Telecom | Proposal for consolidated potential requirements in FS\_5GSEI | Agreed | ***e-Thread: [FS\_5GSEI - 9]***  *Same as 153r6*  **Revision of S1-211153.** |
| Cont | [S1-211152](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211152r4.zip) | China Telecom | Consolidated KPI for FS\_SEI | Revised to S1-211435 | **e-Thread: [FS\_5GSEI - 10]**  152r5 (deleting comments)  (o: New version) |
| Cont | [S1-211435](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211435.zip) | China Telecom | Consolidated KPI for FS\_SEI | Agreed | ***e-Thread: [FS\_5GSEI - 10]***  *Same as 152r5*  **Revision of S1-211152.** |
| Cont | [S1-211143](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211143.zip) | Huawei | Update to the Use Case of 5\_16 Protection of DER and grid interconnection | Withdrawn |  |
| FS\_5GSEI output | | | | | |
| TR | S1-211305 | Rapporteur (China Telecom) | Cover page for presentation/approval of TR22.867v1.1.0 | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| TR | S1-211306 | Rapporteur (China Telecom) | TR22.867v1.1.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| Ranging | | | | | |
| FS\_Ranging: Study on Ranging-based Services [[SP-200575](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1133452)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Xiaowei jiang (Xiaomi)  Latest version: [TR22.855v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.855/22855-100.zip)  Target completion date: SA#91 (03/2021)  Percentage completion: 80% | | | | **Details e-mail discussion** :  Moderator: Erik Guttman  # e-threads: 2  Block A | |
| Cont | [S1-211125](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211125.zip) | Spreadtrum Communications | FS\_Ranging: Update on the use case of 5.12 Finding pets in a long distance based on energy efficient Ranging | Agreed | **e-Thread: [FS\_** **Ranging - 1]** |
| Cont | [S1-211015](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211015.zip) | Xiaomi | FS\_Ranging consolidated requirements | Revised to S1-211436 | **e-Thread: [FS\_** **Ranging - 2]**  015r4 |
| Cont | [S1-211436](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211436.zip) | Xiaomi | FS\_Ranging consolidated requirements | Agreed | ***e-Thread: [FS\_******Ranging - 2]***  *Same as 015r4*  **Revision of S1-211015.** |
| Cont | [S1-211053](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211053.zip) | Huawei | CR for Ranging Consolidation | Agreed | **e-Thread: [FS\_** **Ranging - 2]**  orig. |
| Ranging: Ranging-based Services [[SP-210212](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1201171)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Xiaowei jiang (Xiaomi)  Target completion date: SA#92 (06/2021)  Percentage completion: 0% | | | | **Details e-mail discussion** :  Moderator: Erik Guttman  # e-threads: 1  Block A | |
| CR | [S1-211014](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211014r10.zip) | Xiaomi | CR22.261v18.2.0 Adding High-level and Performance Requirements for Ranging | Revised to S1-211437 | **e-Thread: [Ranging - 1]**  *WI code Ranging Rel-18 CR0506 R- Cat B*  014r11 (removing first column table R**anging service level”)** |
| CR | [S1-211437](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211437.zip) | Xiaomi | CR22.261v18.2.0 Adding High-level and Performance Requirements for Ranging | Agreed | ***e-Thread: [Ranging - 1]***  *WI code Ranging Rel-18 CR0506 R- Cat B*  *Same as 014r11*  **Revision of S1-211014.** |
| FS\_5GSEI output | | | | | |
| TR | S1-211506 | Rapporteur (Xiaomi) | Cover page for approval of TR22.855v1.1.0 | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| TR | S1-211505 | Rapporteur (Xiaomi) | TR22.855v1.1.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| Resident | | | | | |
| FS\_Resident: Study on Enhancements for Residential 5G [[SP-200576](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1133453)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Toon Norp (KPN)  Latest version: [TR22.858v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.858/22858-100.zip)  Target completion date: SA#92 (06/2021)  Percentage completion: 75% | | | | **Details e-mail discussion** :  Moderator: Mona Mustapha  # e-threads: 23  Block A | |
| **General** | | | | | |
| Cont | [S1-211127](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211127.zip) | Spreadtrum Communications | Editorial update for TR 22858 v1.0.0 | Agreed | **e-Thread: [FS\_Resident - 1]** |
| Cont | [S1-211183](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211183.zip) | Nokia, Nokia Shanghai Bell | FS\_RESIDENT terminology cleanup | Agreed | **e-Thread: [FS\_Resident - 1]** |
| Cont | [S1-211232](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211232.zip) | KPN | Removal of considerations sections | Agreed | **e-Thread: [FS\_Resident - 2]** |
| Cont | [S1-211226](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211226.zip) | KPN | Architecture description for Resident | Revised to S1-211438 | **e-Thread: [FS\_Resident - 3]**  226r3 |
| Cont | [S1-211438](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211438.zip) | KPN | Architecture description for Resident | Agreed | ***e-Thread: [FS\_Resident - 3]***  *Same as 226r3*  **Revision of S1-211226.** |
| Cont | [S1-211204](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211204.zip) | Apple | eRG and PRAS support of regulatory requirements | Noted | **e-Thread: [FS\_Resident - 4]** |
| Cont | S1-211293 | Apple | eRG and PRAS support of regulatory requirements | Revised to S1-211439 | **e-Thread: [FS\_Resident - 4]**  293r1 |
| Cont | [S1-211439](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211439.zip) | Apple | eRG and PRAS support of regulatory requirements | Agreed | ***e-Thread: [FS\_Resident - 4]***  *Same as 293r1*  **Revision of S1-211293.** |
| **Former use cases** | | | | | |
| Cont | [S1-211182](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211182.zip) | Nokia, Nokia Shanghai Bell | FS\_RESIDENT: eRG roles | Revised to S1-211440 | **e-Thread: [FS\_Resident - 5]**  182r4 |
| Cont | [S1-211440](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211440.zip) | Nokia, Nokia Shanghai Bell | FS\_RESIDENT: eRG roles | Agreed | ***e-Thread: [FS\_Resident - 5]***  *Same as 182r4*  **Revision of S1-211182.** |
| Cont | [S1-211047](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211047r8.zip) | Convida Wireless | FS\_Resident - Update eRG supporting multiple connectivity use case | Revised to S1-211441 | **e-Thread: [FS\_Resident - 6]**  047r9 (new editors note  Editor’s Note : When related to 5G-RG [PR 5.19.6-001] is fullfill and [PR 5.19.6-002] does not apply.  And remove req3) |
| Cont | [S1-211441](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211441.zip) | Convida Wireless | FS\_Resident - Update eRG supporting multiple connectivity use case | Agreed | ***e-Thread: [FS\_Resident - 6]***  *Same as 047r9*  **Revision of S1-211047.** |
| Cont | [S1-211054](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211054.zip) | InterDigital | FS\_Resident: Resolving the Editor’s note on the use case of seamless switching to a service hosting environment via an evolved residential gateway | Revised to S1-211442 | **e-Thread: [FS\_Resident - 7]**  054r4 |
| Cont | [S1-211442](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211442.zip) | InterDigital | FS\_Resident: Resolving the Editor’s note on the use case of seamless switching to a service hosting environment via an evolved residential gateway | Agreed | ***e-Thread: [FS\_Resident - 7]***  *Same as 054r4*  **Revision of S1-211054.** |
| Cont | [S1-211056](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211056.zip) | InterDigital | FS\_Resident: Replacing the term service hosting environment | Revised to S1-211443 | **e-Thread: [FS\_Resident - 7]**  056r2 |
| Cont | [S1-211443](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211443.zip) | InterDigital | FS\_Resident: Replacing the term service hosting environment | Agreed | ***e-Thread: [FS\_Resident - 7]***  *Same as 056r2*  **Revision of S1-211056.** |
| Cont | [S1-211126](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211126.zip) | China Telecom | Update on the use case on the connection of 5G LAN with fixed IP VPN | Noted | **e-Thread: [FS\_Resident - 8]** |
| Cont | [S1-211129](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211129.zip) | Spreadtrum Communications | Clarification on PRAS sharing | Revised to S1-211444 | **e-Thread: [FS\_Resident - 9]**  129r1 |
| Cont | [S1-211444](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211444.zip) | Spreadtrum Communications | Clarification on PRAS sharing | Agreed | ***e-Thread: [FS\_Resident - 9]***  *Same as 129r1*  **Revision of S1-211129.** |
| Cont | [S1-211132](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211132.zip) | China Telecom | Resolving the Editor's Note on Use case of QoS maintenance from outdoor to indoor | Revised to S1-211445 | **e-Thread: [FS\_Resident - 10]**  132r1 |
| Cont | [S1-211445](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211445.zip) | China Telecom | Resolving the Editor's Note on Use case of QoS maintenance from outdoor to indoor | Agreed | ***e-Thread: [FS\_Resident - 10]***  *Same as 132r1*  **Revision of S1-211132.** |
| Cont | [S1-211133](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211133.zip) | Huawei, Hisilicon | Update use case 5.15 for multicast service access control for legacy device behind an eRG | Revised to S1-211446 | **e-Thread: [FS\_Resident - 11]**  133r6 |
| Cont | [S1-211446](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211446.zip) | Huawei, Hisilicon | Update use case 5.15 for multicast service access control for legacy device behind an eRG | Agreed | ***e-Thread: [FS\_Resident - 11]***  *Same as 133r6*  **Revision of S1-211133.** |
| Cont | [S1-211145](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211145.zip) | Huawei | Update to the use case of IP traffic offload by eRG in clause 5\_13 | Revised to S1-211447 | **e-Thread: [FS\_Resident - 12]**  145r1 |
| Cont | [S1-211447](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211447.zip) | Huawei | Update to the use case of IP traffic offload by eRG in clause 5\_13 | Agreed | ***e-Thread: [FS\_Resident - 12]***  *Same as 145r1*  **Revision of S1-211145.** |
| Cont | [S1-211166](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211166.zip) | Apple | Clarification for loss of connectivity to 5GC use case | Revised to S1-211448 | **e-Thread: [FS\_Resident - 13]**  166r5 |
| Cont | [S1-211448](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211448.zip) | Apple | Clarification for loss of connectivity to 5GC use case | Agreed | ***e-Thread: [FS\_Resident - 13]***  *Same as 166r5*  **Revision of S1-211166.** |
| Cont | [S1-211167](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211167.zip) | Apple | Clean-up of 'off-the-shelf' | Revised to S1-211449 | **e-Thread: [FS\_Resident - 14]**  167r1 agreed |
| Cont | [S1-211449](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211449.zip) | Apple | Clean-up of 'off-the-shelf' | Agreed | ***e-Thread: [FS\_Resident - 14]***  *Same as 167r1*  **Revision of S1-211167.** |
| **New use cases** | | | | | |
| Cont | [S1-211078](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211078.zip) | InterDigital | FS\_Resident: Providing 5G Multicast-Broadcast Services (5MBS) for devices through eRG | Revised to S1-211450 | **e-Thread: [FS\_Resident - 15]**  078r7 |
| Cont | [S1-211450](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211450.zip) | InterDigital | FS\_Resident: Providing 5G Multicast-Broadcast Services (5MBS) for devices through eRG | Agreed | ***e-Thread: [FS\_Resident - 15]***  *Same as 078r7*  **Revision of S1-211078.** |
| Cont | [S1-211131](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211131.zip) | Spreadtrum Communications | New use case on supporting MBMS | Noted | **e-Thread: [FS\_Resident - 15]**  orig. |
| Cont | [S1-211142](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211142.zip) | Toyota | FS\_Resident: New use case on Multicast/Broadcast | Merge to S1-211078r3 | **e-Thread: [FS\_Resident - 15]**  Moved from 7.1.1 |
| Cont | [S1-211209](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211209r6.zip) | Intel | Enable support for PRAS in Customer Premises Network | Revised to S1-211451 | **e-Thread: [FS\_Resident - 16]**  209r7 (adding Editor’s Note: Authentication and authorization in these req. need to be clarified.) |
| Cont | [S1-211451](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211451.zip) | Intel | Enable support for PRAS in Customer Premises Network | Agreed | ***e-Thread: [FS\_Resident - 16]***  *Same as 209r7*  **Revision of S1-211209.** |
| Cont | [S1-211082](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211082r2.zip) | InterDigital | FS\_Resident: Use case on enabling minimum user interaction for a relocated evolved residential gateway | Noted | **e-Thread: [FS\_Resident - 17]**  082r2 |
| Cont | [S1-211083](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211083.zip) | InterDigital | FS\_Resident: Use case on seamless and low latency access for a remote UE in a customer premises network | Noted | **e-Thread: [FS\_Resident - 18]**  083r1 |
| Cont | [S1-211128](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211128.zip) | Spreadtrum Communications | New use case on default unlicensed spectrum usage | Revised to S1-211452 | **e-Thread: [FS\_Resident - 19]**  128r4 |
| Cont | [S1-211452](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211452.zip) | Spreadtrum Communications | New use case on default unlicensed spectrum usage | Revised to S1-211504 | ***e-Thread: [FS\_Resident - 19]***  *Same as 128r4*  **Revision of S1-211128.** |
| Cont | [S1-211504](docs\S1-211504.zip) | Spreadtrum Communications | New use case on default unlicensed spectrum usage | Agreed | ***e-Thread: [FS\_Resident - 19]***  *Same as 128r4*  ***Revision of S1-211128.***  **Revision of S1-211452.** |
| Cont | [S1-211207](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211207r5.zip) | Intel | Use Case for Identity provisioning to external services behind eRG in CPN | Revised to S1-211453 | **e-Thread: [FS\_Resident - 20]**  207r5 |
| Cont | [S1-211453](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211453.zip) | Intel | Use Case for Identity provisioning to external services behind eRG in CPN | Agreed | ***e-Thread: [FS\_Resident - 20]***  *Same as 207r5*  **Revision of S1-211207.** |
| Cont | [S1-211140](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211140.zip) | Toyota | FS\_Resident: New use case on dual connectivity of PRAS and macro base | Noted | **e-Thread: [FS\_Resident - 21]** |
| **Consolidation** | | | | | |
| Cont | [S1-211224](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211224r1.zip) | KPN | Resident and PINs consolidation spreadsheet | Noted |  |
| Cont | [S1-211297](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211297.zip) | Rapporteur (KPN) | Proposed way forward the Resident+PINs requirements consolidation | Noted |  |
| Cont | [S1-211225](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211225r3.zip) | KPN | Consolidated potential requirements | Revised to S1-211454 | **e-Thread: [FS\_Resident - 22]**  225r4 (correcting typos) |
| Cont | [S1-211454](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211454.zip) | KPN | Consolidated potential requirements | Agreed | ***e-Thread: [FS\_Resident - 22]***  *Same as 225r4*  **Revision of S1-211225.** |
| Cont | [S1-211325](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211325.zip) | KPN | Consolidated potential requirements – way forward | Revised to S1-211455 | 225r2 (including any last requirement added) Endorsed as base contribution for following work. – **This will not be included in the TR.** |
| Cont | [S1-211455](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211455.zip) | KPN | Consolidated potential requirements – way forward | Endorsed | *Same as 225r2 (including any last requirement added) Endorsed as base contribution for following work. –* ***This will not be included in the TR.***  Revision of S1-211325. |
| Cont | [S1-211227](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211227.zip) | KPN | Resident conclusion section | Revised to S1-211456 | **e-Thread: [FS\_Resident - 23]**  227r1 |
| Cont | [S1-211456](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211456.zip) | KPN | Resident conclusion section | Agreed | ***e-Thread: [FS\_Resident - 23]***  *Same as 227r1*  **Revision of S1-211227.** |
| Cont | [S1-211114](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211114.zip) | Huawei | Update use case 5.15 for multicast service access control for legacy device behind an eRG | Withdrawn |  |
| FS\_Resident output | | | | | |
| TR | [S1-211307](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211307.zip) | Rapporteur (KPN) | TR22.858v1.1.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| TR | [S1-211308](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211308.zip) | Rapporteur (KPN) | Cover page for presentation of TR22.855v1.1.0 | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| PIN | | | | | |
| FS\_PIN: Study on Study on Personal IoT Networks [[SP-200592](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1133471)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Adrian Buckley (Vivo)  Latest version: [TR22.859v1.0.0](https://ftp.3gpp.org/Specs/archive/22_series/22.859/22859-100.zip)  Target completion date: SA#91 (06/2021)  Percentage completion: 75% | | | | **Details e-mail discussion** :  Moderator: Mark Younge  # e-threads: 18  Block B | |
| **General** | | | | | |
| Cont | [S1-211085](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211085.zip) | Vivo | PIN – Definitions update – PIN, PIN Element, PIN Gateway | Revised to S1-211457 | **e-Thread: [FS\_PIN - 1]**  085r05 |
| Cont | [S1-211457](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211457.zip) | Vivo | PIN – Definitions update – PIN, PIN Element, PIN Gateway | Agreed | ***e-Thread: [FS\_PIN - 1]***  *Same as 085r05*  **Revision of S1-211085.** |
| Cont | [S1-211095](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211095.zip) | Vivo | PIN – Definitions update - PIN direct connection | Revised to S1-211458 | **e-Thread: [FS\_PIN - 1]**  095r04 |
| Cont | [S1-211458](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211458.zip) | Vivo | PIN – Definitions update - PIN direct connection | Agreed | ***e-Thread: [FS\_PIN - 1]***  *Same as 095r04*  **Revision of S1-211095.** |
| Cont | [S1-211087](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211087.zip) | Vivo | PIN - Overview update | Revised to S1-211459 | **e-Thread: [FS\_PIN - 2]**  087r01 agreed |
| Cont | [S1-211459](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211459.zip) | Vivo | PIN - Overview update | Agreed | ***e-Thread: [FS\_PIN - 2]***  *Same as 087r01*  **Revision of S1-211087.** |
| Cont | [S1-211094](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211094.zip) | Vivo | PIN – Connectivity Models | Revised to S1-211460 | **e-Thread: [FS\_PIN - 3]**  094r03 agreed |
| Cont | [S1-211460](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211460.zip) | Vivo | PIN – Connectivity Models | Agreed | ***e-Thread: [FS\_PIN - 3]***  *Same as 094r03*  **Revision of S1-211094.** |
| Cont | [S1-211091](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211091.zip) | Vivo | PIN – Update considerations section – references to technologies + data rates | Noted | **e-Thread: [FS\_PIN - 4]** |
| **Former use cases** | | | | | |
| Cont | [S1-211088](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211088r01.zip) | Vivo | PIN – Usecase 5.1 update – clarification of re-configuration and PRs | Revised to S1-211461 | **e-Thread: [FS\_PIN - 5]**  088r07 |
| Cont | [S1-211461](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211461.zip) | Vivo | PIN – Usecase 5.1 update – clarification of re-configuration and PRs | Agreed | ***e-Thread: [FS\_PIN - 5]***  *Same as 088r07*  **Revision of S1-211088.** |
| Cont | [S1-211052](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211052.zip) | Deutsche Telekom | Update of guest PIN element use case | Revised to S1-211462 | **e-Thread: [FS\_PIN - 6]**  052r1 agreed |
| Cont | [S1-211462](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211462.zip) | Deutsche Telekom | Update of guest PIN element use case | Agreed | ***e-Thread: [FS\_PIN - 6]***  *Same as 052r1*  **Revision of S1-211052.** |
| Cont | [S1-211089](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211089.zip) | Vivo | PIN – Usecase update - The lost dog | Noted | **e-Thread: [FS\_PIN - 6]** |
| Cont | [S1-211092](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211092.zip) | Vivo | PIN – Update existing usecases - KPI’s information additions | Agreed | **e-Thread: [FS\_PIN - 7]** |
| Cont | [S1-211205](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211205.zip) | Intel | Update Use Case 5.5 for UEs to access PIN | Revised to S1-211463 | **e-Thread: [FS\_PIN - 8]**  205r1 agreed |
| Cont | [S1-211463](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211463.zip) | Intel | Update Use Case 5.5 for UEs to access PIN | Revised to S1-211507 | ***e-Thread: [FS\_PIN - 8]***  *Same as 205r1*  **Revision of S1-211205.** |
| Cont | [S1-211507](docs\S1-211507.zip) | Intel | Update Use Case 5.5 for UEs to access PIN | Agreed | ***e-Thread: [FS\_PIN - 8]***  *Same as 205r1*  ***Revision of S1-211205.***  **Revision of S1-211463.** |
| Cont | [S1-211036](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211036.zip) | InterDigital | FS\_PIN: Resolving Editor's Notes on the Use Case UE accessing PIN applications hosted by gateways | Revised to S1-211464 | **e-Thread: [FS\_PIN - 9]**  036r4 |
| Cont | [S1-211464](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211464.zip) | InterDigital | FS\_PIN: Resolving Editor's Notes on the Use Case UE accessing PIN applications hosted by gateways | Agreed | ***e-Thread: [FS\_PIN - 9]***  *Same as 036r4*  **Revision of S1-211036.** |
| Cont | [S1-211157](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211157.zip) | Huawei, Huawei Device | FS\_PIN: Addition of Edge Computing solutions to clause 5.6.5 | Agreed | **e-Thread: [FS\_PIN - 10]** |
| Cont | [S1-211090](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211090.zip) | Vivo | PIN –usecase update – The tour guide | Noted | **e-Thread: [FS\_PIN - 11]** |
| Cont | [S1-211158](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211158.zip) | Huawei, Huawei Device | FS\_PIN: Security concerns on broadcast-based service discovery | Agreed | **e-Thread: [FS\_PIN - 12]** |
| Cont | [S1-211046](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211046r6.zip) | Convida Wireless, Vivo | FS\_PIN - Update Personal Health Monitoring use case | Revised to S1-211465 | **e-Thread: [FS\_PIN - 13]**  046r6 agreed |
| Cont | [S1-211465](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211465.zip) | Convida Wireless, Vivo | FS\_PIN - Update Personal Health Monitoring use case | Agreed | ***e-Thread: [FS\_PIN - 13]***  *Same as 046r6*  **Revision of S1-211046.** |
| Cont | [S1-211184](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211184.zip) | Futurewei, Philips, Vivo | use case update and New requirements for FS\_PIN: dynamic creation of an on-demand 5G PIN at home | Revised to S1-211466 | **e-Thread: [FS\_PIN - 14]**  184r3 |
| Cont | [S1-211466](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211466.zip) | Futurewei, Philips, Vivo | use case update and New requirements for FS\_PIN: dynamic creation of an on-demand 5G PIN at home | Agreed | ***e-Thread: [FS\_PIN - 14]***  *Same as 184r3*  **Revision of S1-211184.** |
| **New use cases** | | | | | |
| Cont | [S1-211198](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211198.zip) | Lenovo, Motorola, Vivo, Intel | Use case for Operator managed PIN | Revised to S1-211467 | **e-Thread: [FS\_PIN - 15]**  198r2 |
| Cont | [S1-211467](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211467.zip) | Lenovo, Motorola, Vivo, Intel | Use case for Operator managed PIN | Agreed | ***e-Thread: [FS\_PIN - 15]***  *Same as 198r2*  **Revision of S1-211198.** |
| Cont | [S1-211289](C:\\Users\\almodovarchicojl\\Desktop\\TSGS1_94e_ElectronicMeeting\\docs\\S1-211289.zip) | Philips | New use case on smart hospital beds | Revised to S1-211468 | **e-Thread: [FS\_PIN - 16]**  289r4 |
| Cont | [S1-211468](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211468.zip) | Philips | New use case on smart hospital beds | Agreed | ***e-Thread: [FS\_PIN - 16]***  *Same as 289r4*  **Revision of S1-211289.** |
| **Consolidation** | | | | | |
| Cont | [S1-211093](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211093r06.zip) | Vivo | PIN – requirements consolidation | Revised to S1-211469 | **e-Thread: [FS\_PIN - 17]**  093r07 (delete all req and delete last column of the table Equivalent CPR in TR 22.858 [6])  (o: way forward) |
| Cont | [S1-211469](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211469.zip) | Vivo | PIN – requirements consolidation | Agreed | ***e-Thread: [FS\_PIN - 17]***  *Same as 093r07*  **Revision of S1-211093.** |
| Cont | [S1-211096](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211096.zip) | Vivo | PIN - Conclusions | Noted | **e-Thread: [FS\_PIN - 18]** |
| FS\_PIN output | | | | | |
| TR | S1-211309 | Rapporteur (vivo) | TR22.859 v1.1.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| TR | S1-211310 | Rapporteur (vivo) | Cover page for presentation/approval of TR22.855 v1.1.0 | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| PALS | | | | | |
| FS\_PALS: Study on 5G Networks Providing Access to Localized Services [[SP-200799](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1152348)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Jack Nasielski (Qualcomm)  Latest version: [TR22.844v0.2.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.844/22844-020.zip)  Target completion date: SA#91 (06/2021)  Percentage completion: 77% | | | | **Details e-mail discussion** :  Moderator: Jose Almodovar  # e-threads: 16  Block A | |
| **General** | | | | | |
| Cont | [S1-211154](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211154.zip) | Ericsson | Update terminology throughout TR 22.844 (e.g. remove “PALS”) | Revised to S1-211470 | **e-Thread: [FS\_PALS - 1]**  154r2 agreed |
| Cont | [S1-211470](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211470.zip) | Ericsson | Update terminology throughout TR 22.844 (e.g. remove “PALS”) | Agreed | ***e-Thread: [FS\_PALS - 1]***  *Same as 154r2*  **Revision of S1-211154.** |
| Cont | [S1-211197](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211197.zip) | Samsung | 22.844 P-CR: Overview | Agreed | **e-Thread: [FS\_PALS - 2]** |
| **Former use cases** | | | | | |
| Cont | [S1-211079](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211079.zip) | Futurewei | Update potential new requirements for use case 5.2 on roaming service | Noted | **e-Thread: [FS\_PALS - 3]** |
| Cont | [S1-211210](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211210.zip) | Intel | Update Use Case 5.3 for home network services via hosting networks | Revised to S1-211471 | **e-Thread: [FS\_PALS - 4]**  210r3 |
| Cont | [S1-211471](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211471.zip) | Intel | Update Use Case 5.3 for home network services via hosting networks | Agreed | ***e-Thread: [FS\_PALS - 4]***  *Same as 210r3*  **Revision of S1-211210.** |
| Cont | [S1-211149](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211149.zip) | Ericsson | Minor clarification to chapter 5.3 | Merge into S1-211210r2 | **e-Thread: [FS\_PALS - 4]** |
| Cont | [S1-211080](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211080.zip) | Futurewei | Update use case 5.4 for UEs using on demand services via hosting | Revised to S1-211472 | **e-Thread: [FS\_PALS - 5]**  080r04 agreed |
| Cont | [S1-211472](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211472.zip) | Futurewei | Update use case 5.4 for UEs using on demand services via hosting | Agreed | ***e-Thread: [FS\_PALS - 5]***  *Same as 080r04*  **Revision of S1-211080.** |
| Cont | [S1-211211](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211211.zip) | Intel | Update Use Case 5.4 for on demand services via hosting networks | Revised to S1-211473 | **e-Thread: [FS\_PALS - 5]**  211r3 agreed |
| Cont | [S1-211473](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211473.zip) | Intel | Update Use Case 5.4 for on demand services via hosting networks | Agreed | ***e-Thread: [FS\_PALS - 5]***  *Same as 211r3*  **Revision of S1-211211.** |
| Cont | [S1-211150](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211150.zip) | Ericsson | Changes to chapter 5.4.6 | Revised to S1-211474 | **e-Thread: [FS\_PALS - 5]**  150r2 agreed |
| Cont | [S1-211474](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211474.zip) | Ericsson | Changes to chapter 5.4.6 | Agreed | ***e-Thread: [FS\_PALS - 5]***  *Same as 150r2*  **Revision of S1-211150.** |
| Cont | [S1-211081](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211081.zip) | Futurewei | modification of use case 5.6: Automatic discovery and selection of 3rd party provider services over Hosting network access | Revised to S1-211475 | **e-Thread: [FS\_PALS - 6]**  081r02 |
| Cont | [S1-211475](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211475.zip) | Futurewei | modification of use case 5.6: Automatic discovery and selection of 3rd party provider services over Hosting network access | Agreed | ***e-Thread: [FS\_PALS - 6]***  *Same as 081r02*  **Revision of S1-211081.** |
| Cont | [S1-211076](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211076.zip) | OTD | FS\_PALS Update of requirement for use case | Revised to S1-211476 | **e-Thread: [FS\_PALS - 7]**  076r2 |
| Cont | [S1-211476](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211476.zip) | OTD | FS\_PALS Update of requirement for use case | Agreed | ***e-Thread: [FS\_PALS - 7]***  *Same as 076r2*  **Revision of S1-211076.** |
| Cont | [S1-211230](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211230r2.zip) | Qualcomm | Update to FS\_PALS: steering based on signal quality | Revised to S1-211477 | **e-Thread: [FS\_PALS - 8]**  230r2 |
| Cont | [S1-211477](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211477.zip) | Qualcomm | Update to FS\_PALS: steering based on signal quality | Agreed | ***e-Thread: [FS\_PALS - 8]***  *Same as 230r2*  **Revision of S1-211230.** |
| Cont | [S1-211051](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211051.zip) | Deutsche Telekom | Clarification of PALS steering requirement | Agreed | **e-Thread: [FS\_PALS - 9]** |
| Cont | [S1-211159](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211159.zip) | Ericsson | Changes to chapter 5.12 (e.g. split the single requirement into two requirements) | Revised to S1-211478 | **e-Thread: [FS\_PALS - 10]**  159r2 agreed |
| Cont | [S1-211478](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211478.zip) | Ericsson | Changes to chapter 5.12 (e.g. split the single requirement into two requirements) | Agreed | ***e-Thread: [FS\_PALS - 10]***  *Same as 159r2*  **Revision of S1-211159.** |
| **New use cases** | | | | | |
| Cont | [S1-211049](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211049.zip) | InterDigital | FS\_PALS: Use case on managing a high number of UEs returning from a local hosting network to home network | Revised to S1-211479 | **e-Thread: [FS\_PALS - 11]**  049r1 |
| Cont | [S1-211479](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211479.zip) | InterDigital | FS\_PALS: Use case on managing a high number of UEs returning from a local hosting network to home network | Agreed | ***e-Thread: [FS\_PALS - 11]***  *Same as 049r1*  **Revision of S1-211049.** |
| Cont | [S1-211258](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211258r4.zip) | Philips | FS\_PALS New use case on localized 5G network access on a cruise ship | Revised to S1-211480 | **e-Thread: [FS\_PALS - 12]**  258r4 |
| Cont | [S1-211480](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211480.zip) | Philips | FS\_PALS New use case on localized 5G network access on a cruise ship | Agreed | ***e-Thread: [FS\_PALS - 12]***  *Same as 258r4*  **Revision of S1-211258.** |
| Cont | [S1-211259](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211259.zip) | Philips | FS\_PALS New use case on localized network for a mass casualty incident | Revised to S1-211481 | **e-Thread: [FS\_PALS - 13]**  259r3 |
| Cont | [S1-211481](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211481.zip) | Philips | FS\_PALS New use case on localized network for a mass casualty incident | Agreed | ***e-Thread: [FS\_PALS - 13]***  *Same as 259r3*  **Revision of S1-211259.** |
| Cont | [S1-211172](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211172.zip) | Ericsson | New use case for steering of UEs between hosting local networks and PLMNs | Revised to S1-211482 | **e-Thread: [FS\_PALS - 14]**  172r4 |
| Cont | [S1-211482](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211482.zip) | Ericsson | New use case for steering of UEs between hosting local networks and PLMNs | Agreed | ***e-Thread: [FS\_PALS - 14]***  *Same as 172r4*  **Revision of S1-211172.** |
| **Consolidation** | | | | | |
| Cont | [S1-211231](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211231r7.zip) | Qualcomm | FS\_PALS proposal for consolidated requirements | Revised to S1-211483 | **e-Thread: [FS\_PALS - 15]**  231r7  (o: new version) |
| Cont | [S1-211483](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211483.zip) | Qualcomm | FS\_PALS proposal for consolidated requirements | Agreed | ***e-Thread: [FS\_PALS - 15]***  *Same as 231r7*  *(o: new version)*  **Revision of S1-211231.** |
| Cont | [S1-211233](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211233.zip) | Qualcomm | Proposal for FS\_PALS TR conclusions | Agreed | **e-Thread: [FS\_PALS - 16]** |
| FS\_PALS output | | | | | |
| TR | [S1-211311](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211311.zip) | Rapporteur (Qualcomm) | TR22.844 v0.3.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| TR | [S1-211234](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211234.zip) | Rapporteur (Qualcomm) | Cover page for presentation/approval of TR22.844 v0.3.0 | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| VMR | | | | | |
| FS\_VMR: Study on vehicle-mounted relays [[SP-200798](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1152347)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Francesco Pica (Qualcomm)  Latest version: [TR22.839v0.2.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.839/22839-020.zip)  Target completion date: SA#91 (06/2021)  Percentage completion: 60% | | | | **Details e-mail discussion** :  Moderator: Erik Guttman  # e-threads: 13  Block B | |
| **General** | | | | | |
| Cont | [S1-211238](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211238.zip) | Qualcomm | Update to Overview (sec.4) | Agreed | **e-Thread: [FS\_VMR - 1]**  orig. |
| Cont | [S1-211240](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211240.zip) | Qualcomm | Update to Other Aspects - sec.6 | Revised to S1-211484 | **e-Thread: [FS\_VMR - 2]**  240r2 |
| Cont | [S1-211484](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211484.zip) | Qualcomm | Update to Other Aspects - sec.6 | Agreed | ***e-Thread: [FS\_VMR - 2]***  *Same as 240r2*  **Revision of S1-211240.** |
| Cont | S1-211315 | Qualcomm | FS\_VMR terminology options | Noted |  |
| **Former use cases** | | | | | |
| Cont | [S1-211019](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211019.zip) | SyncTechno | Update to UC Multiple working modes of vehicle mounted base station | Noted | **e-Thread: [FS\_VMR - 3]** |
| Cont | [S1-211241](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211241.zip) | Qualcomm | Update to sec 5.10 - Incentives and Charging | Revised to S1-211485 | **e-Thread: [FS\_VMR - 4]**  241r1 |
| Cont | [S1-211485](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211485.zip) | Qualcomm | Update to sec 5.10 - Incentives and Charging | Agreed | ***e-Thread: [FS\_VMR - 4]***  *Same as 241r1*  **Revision of S1-211241.** |
| Cont | [S1-211244](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211244.zip) | Qualcomm | Update to use case on relay-macro connectivity | Revised to S1-211486 | **e-Thread: [FS\_VMR - 5]**  244\_r2 (@author please correct the format) |
| Cont | [S1-211486](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211486.zip) | Qualcomm | Update to use case on relay-macro connectivity | Agreed | ***e-Thread: [FS\_VMR - 5]***  *Same as 244\_r2*  **Revision of S1-211244.** |
| Cont | [S1-211242](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211242.zip) | Qualcomm | Update to use case on mobile relays sharing | Revised to S1-211487 | **e-Thread: [FS\_VMR - 6]**  242r1 |
| Cont | [S1-211487](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211487.zip) | Qualcomm | Update to use case on mobile relays sharing | Agreed | ***e-Thread: [FS\_VMR - 6]***  *Same as 242r1*  **Revision of S1-211242.** |
| **New Use Cases** | | | | | |
| Cont | [S1-211020](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211020.zip) | SyncTechno | New UC Monitoring of vehicle-mounted relays | Revised to S1-211488 | **e-Thread: [FS\_VMR - 7]**  020r2 |
| Cont | [S1-211488](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211488.zip) | SyncTechno | New UC Monitoring of vehicle-mounted relays | Agreed | ***e-Thread: [FS\_VMR - 7]***  *Same as 020r2*  **Revision of S1-211020.** |
| Cont | [S1-211115](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211115.zip) | Philips | Use case on VMR for improved connectivity through data caching | Revised to S1-211489 | **e-Thread: [FS\_VMR - 8]**  115r4 |
| Cont | [S1-211489](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211489.zip) | Philips | Use case on VMR for improved connectivity through data caching | Agreed | ***e-Thread: [FS\_VMR - 8]***  *Same as 115r4*  **Revision of S1-211115.** |
| Cont | [S1-211185](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211185.zip) | CATT | New Use case: Mobility between Non-terrestrial coverage and terrestrial coverage for Mobile Vehicular | Revised to S1-211490 | **e-Thread: [FS\_VMR - 9]**  185r2 |
| Cont | [S1-211490](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211490.zip) | CATT | New Use case: Mobility between Non-terrestrial coverage and terrestrial coverage for Mobile Vehicular | Agreed | ***e-Thread: [FS\_VMR - 9]***  *Same as 185r2*  **Revision of S1-211185.** |
| Cont | [S1-211186](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211186.zip) | CATT | New Use case: Mobile Vehicular Relays using Non-terrestrial and terrestrial access simultaneously | Revised to S1-211491 | **e-Thread: [FS\_VMR - 10]**  186r4 |
| Cont | [S1-211491](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211491.zip) | CATT | New Use case: Mobile Vehicular Relays using Non-terrestrial and terrestrial access simultaneously | Agreed | ***e-Thread: [FS\_VMR - 10]***  *Same as 186r4*  **Revision of S1-211186.** |
| Cont | [S1-211245](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211245.zip) | Qualcomm | New use case on multi-relay connectivity | Revised to S1-211492 | **e-Thread: [FS\_VMR - 11]**  245r2 |
| Cont | [S1-211492](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211492.zip) | Qualcomm | New use case on multi-relay connectivity | Agreed | ***e-Thread: [FS\_VMR - 11]***  *Same as 245r2*  **Revision of S1-211245.** |
| Cont | [S1-211247](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211247.zip) | Qualcomm | New use case on relay traffic over a 5G transport NW | Revised to S1-211493 | **e-Thread: [FS\_VMR - 12]**  247r2 |
| Cont | [S1-211493](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211493.zip) | Qualcomm | New use case on relay traffic over a 5G transport NW | Agreed | ***e-Thread: [FS\_VMR - 12]***  *Same as 247r2*  **Revision of S1-211247.** |
| **Consolidation** | | | | | |
| Cont | [S1-211248](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211248r5.zip) | Qualcomm | Initial proposal for consolidated requirements | Revised to S1-211502 | **e-Thread: [FS\_VMR - 13]**  248r4 |
| Cont | [S1-211502](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211502.zip) | Qualcomm | Initial proposal for consolidated requirements | Noted | ***e-Thread: [FS\_VMR - 13]***  Same as *248r4*  **Revision of S1-211248.** |
| Cont | [S1-211171](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211171.zip) | CATT | New Use case: Mobility between Non-terrestrial coverage and terrestrial coverage for Mobile Vehicular | Withdrawn |  |
| Cont | [S1-211174](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211174.zip) | CATT | New Use case: Mobile Vehicular Relays using Non-terrestrial and terrestrial access simultaneously | Withdrawn |  |
| FS\_VMR output | | | | | |
| TR | [S1-211312](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211312.zip) | Rapporteur (Qualcomm) | TR22.839 v0.3.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| TR | [S1-211250](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211250.zip) | Rapporteur (Qualcomm) | Cover page for presentation of TR22.839 v0.3.0 | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| eFRMCS | | | | | |
| FS\_eFRMCS: Study on FRMCS Evolution [[SP-201038](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1175962)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Guillaume Gach (UIC)  Latest version: [TR22.989v18.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.989/22989-i10.zip)  Target completion date: SA#94 (12/2021)  Percentage completion: 20% | | | | | |
| TACMM | | | | | |
| FS\_TACMM: Study on supporting tactile and multi-modality communication services [[SP-201039](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1175963)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Wang, Shuo (China Mobile)  Latest version: [TR22.847v0.1.0](https://www.3gpp.org/ftp/Specs/archive/22_series/22.847/22847-010.zip)  Target completion date: SA#92 (06/2021)  Percentage completion: 30% | | | | **Details e-mail discussion** :  Moderator: Greg Schumacher  # e-threads: 18  Block B | |
| **General** | | | | | |
| Cont | [S1-211065](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211065r4.zip) | Xiaomi | TACMM-3.1 Definitions section | Revised to S1-211494 | **e-Thread: [FS\_TACMM - 1]**  065r5 (remove **~~Multi-modality QoS definition)~~** |
| Cont | [S1-211494](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211494.zip) | Xiaomi | TACMM-3.1 Definitions section | Agreed | ***e-Thread: [FS\_TACMM - 1]***  *Same as 065r5*  **Revision of S1-211065.** |
| Cont | [S1-211228](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211228.zip) | China Mobile | pCR TR 22.847 Update overview | Agreed | **e-Thread: [FS\_TACMM - 1]**  orig. |
| Cont | [S1-211100](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211100.zip) | Qualcomm | Proposal for FS\_TACMM TR Update | Agreed | **e-Thread: [FS\_TACMM - 2]**  orig. |
| Cont | [S1-211214](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211214.zip) | LG Electronics | Proposed updates for TACMM TR 22.847 | Agreed | **e-Thread: [FS\_TACMM – 3]**  orig. |
| **Former use cases** | | | | | |
| Cont | [S1-211188](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211188.zip) | InterDigital | FS\_TACMM: Clarifications to the use case on immersive multi-modal VR application | Revised to S1-211495 | **e-Thread: [FS\_TACMM - 4]**  188r1 |
| Cont | [S1-211495](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211495.zip) | InterDigital | FS\_TACMM: Clarifications to the use case on immersive multi-modal VR application | Agreed | ***e-Thread: [FS\_TACMM - 4]***  *Same as 188r1*  **Revision of S1-211188.** |
| Cont | [S1-211216](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211216r1.zip) | China Mobile | TACMM Adding potential requirement of Immersive VR games | Revised to S1-211496 | **e-Thread: [FS\_TACMM - 5]**  216r2 (remove requirement number 2)  (o: Nokia, Qualcomm) |
| Cont | [S1-211496](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211496.zip) | China Mobile | TACMM Adding potential requirement of Immersive VR games | Agreed | ***e-Thread: [FS\_TACMM - 5]***  *Same as 216r2*  **Revision of S1-211216.** |
| Cont | [S1-211213](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211213r4.zip) | LG Electronics | Update for a UC on Support of Skillset Sharing for Cooperative Perception and Maneuvering of Robots | Noted | **e-Thread: [FS\_TACMM - 6]**  213r4  (o: Nokia) |
| **New use cases** | | | | | |
| Cont | [S1-211061](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211061r5.zip) | Xiaomi | TACMM-use cases new-Living Room Multi-modality Interaction System | Noted | **e-Thread: [FS\_TACMM - 7]**  061r5  (o: Nokia) |
| Cont | [S1-211062](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211062r3.zip) | Xiaomi | TACMM-use cases new-Multi-modality Conference Assistant | Noted | **e-Thread: [FS\_TACMM - 8]**  062r3  (o: Nokia) |
| Cont | [S1-211063](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211063r5.zip) | Xiaomi | TACMM-use case new-Multi-Modality Gaming System | Noted | **e-Thread: [FS\_TACMM - 9]**  063r1  (o: DT, Nokia, Qualcomm) |
| Cont | [S1-211064](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211064r5.zip) | Xiaomi | TACMM-use cases new-Online Concert | Noted | **e-Thread: [FS\_TACMM - 10]**  064r3  (o: Nokia) |
| Cont | [S1-211130](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211130r4.zip) | China Telecom | Use case of Online shopping for the blind | Noted | **e-Thread: [FS\_TACMM - 11]**  130r3  (o: Nokia) |
| Cont | [S1-211187](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211187r5.zip) | InterDigital | FS\_TACMM: Haptic feedback for a personal exclusion zone | Revised to S1-211497 | **e-Thread: [FS\_TACMM - 12]**  187r6 (number in **Reliability in [] )** |
| Cont | [S1-211497](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211497.zip) | InterDigital | FS\_TACMM: Haptic feedback for a personal exclusion zone | Agreed | ***e-Thread: [FS\_TACMM - 12]***  *Same as 187r6* **Revision of S1-211187.** |
| Cont | [S1-211189](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211189r3.zip) | InterDigital, Telefónica | FS\_TACMM: Augmented robotic telepresence | Revised to S1-211499 | **e-Thread: [FS\_TACMM - 13]**  189r3 (new tdoc)  (o: Nokia) |
| Cont | [S1-211499](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211499.zip) | InterDigital, Telefónica | FS\_TACMM: Augmented robotic telepresence | Noted | ***e-Thread: [FS\_TACMM - 13]***  *189r3*  **Revision of S1-211189.** |
| Cont | [S1-211218](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211218.zip) | China Mobile | TACMM use case Haptics Feedback Surgery | Noted | **e-Thread: [FS\_TACMM - 14]**  orig.  (o: Nokia) |
| Cont | [S1-211219](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211219r1.zip) | China Mobile | TACMM use case Real time haptic beat for music education | Noted | **e-Thread: [FS\_TACMM - 15]**  219r1  (o: Nokia) |
| Cont | [S1-211220](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211220.zip) | China Mobile | TACMM use case Remote Automated Mining | Noted | **e-Thread: [FS\_TACMM - 16]**  orig.  (o: Nokia) |
| Cont | [S1-211221](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211221r1.zip) | China Mobile | TACMM use case Smart Prosthesis and Its Safety Model | Noted | **e-Thread: [FS\_TACMM - 17]**  221r1  (o: Nokia) |
| Cont | [S1-211222](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211222r1.zip) | China Mobile | TACMM use case On-board Multiple Sensor Fusion | Noted | **e-Thread: [FS\_TACMM - 18]**  222r1  (o: Nokia) |
| FS\_TACMM output | | | | | |
| TR | [S1-211313](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211313.zip) | Rapporteur (China Mobile) | TR22.847 v0.2.0 to include agreements at this meeting | Agreed | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC |
| LPHAP | | | | | |
| LPHAP: Low Power High Accuracy Positioning for industrial IoT scenarios[[SP-210216](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1201176)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Yuan Wang (Huawei)  Target completion date: SA#92 (06/2021)  Percentage completion: 40% | | | | **Details e-mail discussion** :  Moderator: Jose Almodovar  # e-threads: 2  Block B | |
| CR | [S1-211040](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211040r2.zip) | Huawei, Hisilicon, Sony | CR22.104v18.0.0 Adding LPHAP requirements for Industrial IoT | Revised to S1-211498 | **e-Thread: [LPHAP - 1]**  *WI code* LPHAP *Rel-18 CR0072 R- Cat B*  040r4 |
| CR | [S1-211498](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211498.zip) | Huawei, Hisilicon, Sony | CR22.104v18.0.0 Adding LPHAP requirements for Industrial IoT | Agreed | ***e-Thread: [LPHAP - 1]***  *WI code LPHAP Rel-18 CR0072 R- Cat B*  *Same as 040r4*  **Revision of S1-211040.** |
| CR | [S1-211181](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211181.zip) | Nokia, Nokia Shanghai Bell | CR22.104v18.0.0 Alignment of positioning power consumption aspects between 22.261 and 22.104 | Agreed | **e-Thread: [LPHAP - 1]**  *WI code* LPHAP *Rel-18 CR0073 R- Cat B*  *Orig.* |
| CR | [S1-211041](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211041.zip) | Huawei, Hisilicon, Sony | CR22.261v18.2.0 Clarification of LPHAP requirements | Agreed | **e-Thread: [LPHAP - 2]**  *WI code* LPHAP *Rel-18 CR0515 R- Cat C* |
| CR | [S1-211180](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\docs\S1-211180.zip) | Nokia, Nokia Shanghai Bell | CR22.261v18.0.0 Alignment of positioning power consumption aspects between 22.261 and 22.104 | Agreed | **e-Thread: [LPHAP - 2]**  *WI code* LPHAP *Rel-18 CR0526 R- Cat D*  *Orig.* |
| Other technical contributions | | | | | |
| CR | [S1-211108](file:///C:\Users\almodovarchicojl\Desktop\TSGS1_94e_ElectronicMeeting\Docs\S1-211108r5.zip) | Xiaomi | CR22.261v18.2.0 Clarification to services provided by 5G satellite access | Revised to S1-211500 | **e-Thread: [Other - 1]**  *WI code* TEI18 *Rel-18 CR0520R- Cat F*  Moved from 4  108r5 |
| CR | [S1-211500](file:///C:\Users\Sultan\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1KU9YBN7\docs\S1-211500.zip) | Xiaomi | CR22.261v18.2.0 Clarification to services provided by 5G satellite access | Noted | ***e-Thread: [Other - 1]***  *WI code TEI18 Rel-18 CR0520R- Cat F*  *Same as 108r5*  **Revision of S1-211108.** |
| Other non-technical contributions | | | | | |
| Work Item/Study Item progress | | | | | |
| Session information outputs | | | | | |
| Work Item/Study Item status update | | | | | |
| REP | S1-211330 | China Mobile | FS\_MMTELin5G – Status report | Noted |  |
| REP | S1-211331 | BDBOS | FS\_SACI\_MCS – Status report | Noted |  |
| REP | S1-211332 | Hansung University | FS\_RAILSS – Status report | Withdrawn |  |
| REP | S1-211333 | OPPO | FS\_AMMT – Status report | Noted |  |
| REP | S1-211334 | THALES | FS\_5GET– Status report | Noted |  |
| REP | S1-211335 | LG Electronics | FS\_EASNS – Status report | Noted |  |
| REP | S1-211336 | UIC | FS\_OffNetRail – Status report | Withdrawn |  |
| REP | S1-211337 | Nokia | FS\_5TRS – Status report | Noted |  |
| REP | S1-211338 | China Telecom | FS\_5GSEI – Status report | Noted |  |
| REP | S1-211339 | Xiaomi | FS\_Ranging – Status report | Noted |  |
| REP | S1-211340 | KPN | FS\_Resident – Status report | Noted |  |
| REP | S1-211341 | Vivo | FS\_PIN – Status report | Noted |  |
| REP | S1-211342 | Qualcomm | FS\_PALS – Status report | Noted |  |
| REP | S1-211343 | Qualcomm | FS\_VMR – Status report | Noted |  |
| REP | S1-211344 | UIC | FS\_eFRMCS – Status report | Withdrawn |  |
| REP | S1-211345 | China Mobile | FS\_TACMM – Status report | Noted |  |
| REP | S1-211346 | Nokia | 5TRS– Status report | Noted |  |
| REP | S1-211347 | LGE | EASNS– Status report | Noted |  |
| REP | S1-211348 | Xiaomi | Ranging– Status report | Noted |  |
| REP | S1-211349 | China Unicom | DI\_5G– Status report | Withdrawn | 100% completed at SA1#93e |
| REP | S1-211350 | Huawei | LPHAP– Status report | Noted |  |
| REP | S1-211351 | China Mobile | MMTELin5G – Status report | Noted |  |
| REP | S1-211352 | OPPO | AMMT– Status report | Noted |  |
| REP | S1-211353 | Qualcomm | PALS – Status report | Noted |  |
| REP | S1-211354 | China Telecom | 5GSEI – Status report | Noted |  |
| REP | S1-211355 | China Mobile | TACMM – Status report | Withdrawn |  |
| REP | S1-211356 | Qualcomm | VRM – Status report | Withdrawn |  |
| REP | S1-211357 | VIVO | NETNET– Status report | Withdrawn |  |
| REP | S1-211358 | Deutsche Telekom | SENSE – Status report | Noted |  |
| REP | S1-211359 | Xiaomi | SCVS – Status report | Noted |  |
| REP | S1-211360 | Xiaomi | 5GHAPS – Status report | Withdrawn |  |
| REP | S1-211361 | CATT | 5GSATB – Status report | Noted |  |
| Next meetings | | | | | |
| Calendar | | | | | |
| **2021 meetings:**  SA1#95e 23 Aug-2 Sep 2021 e-meeting  SA1#96 8-18 Nov 2021 e-meeting | | | | | |
| Any other business | | | | | |
| Close | | | | | |
| Close latest by 16:00 UTC on Thursday 20 May 2021 | | | | | |