3GPP TSG-SA WG1 Meeting #91e S1-203002

Electronic Meeting, 24 August - 2 September 2020

Title: 2nd Draft Agenda for SA1#91e

Ag. Item: 1.1

Source: SA1 Chairman

Contact: Jose Almodovar

Submission Guidelines

* **Submission deadlines:**
  + **Tdoc number** and **CR number** requests: **Friday,** 14 August 2020, 23:00 UTC
  + Document **submission**: **Friday**, 14 August 2020, 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#88)
* Please use the document templates available at <https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_91e_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>

**GoToMeeting SESIONS:**

From **Monday 24th to Friday 28th** and on **Wednesday 2nd**there will be a daily session of two hours from **13:00 to 15:00 UTC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **UTC** | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| **13:00**  **15:00** | **General intro (S1-203008)**  **3. LSs**  **6. Rel-17 and earlier** | **4.New WIDs**  **6. Rel-17 and earlier** | **4.New WIDs**  **6. Rel-17 and earlier**  **5. Quality improvement contributions**  **3.LS** | **6.Rel-17 and earlier**  **5. Quality improvement contributions**  **3.LS**  **4.New WIDs** | **3.LS**  **4.New WIDs**  **7. Rel18 contributions** |

**MODERATORS**

Jose Almodovar – REP (Sec 1+2), LS (Sec 3), CRs (Sec 5+6), 5GET, OffNetRail, 5GSEI

Greg Schumacher – WIDs(Sec 4), FS\_AMMT, 5TRS

Mona Mustapha – Ranging, Resident

Toon Norp – FS\_MMTELin5G, SACI\_MCS

Mark Younge – FS\_EASNS, PIN

**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 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opening of the meeting | | | | | |
| Opening of the meeting at 23:00 on Sunday 23 August 2020 | | | | | |
| Agenda and scheduling | | | | | |
| AGE | [S1-203000](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203000.zip) | SA1 Chairman | 1st Draft agenda for SA1#91e | Noted |  |
| AGE | [S1-203001](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203001.zip) | SA1 Chairman | 2nd Draft agenda for SA1#91e | Noted |  |
| AGE | [S1-203002](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203002.zip) | SA1 Chairman | Agenda for SA1#91e | Approved |  |
| 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 e-Thread: [Reports-1] | | | | | |
| The report of the last meeting will be approved at the start of the meeting. | | | | | |
| REP | [S1-203005](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203005.zip) | ETSI | Draft minutes of SA1#90e | Revised to S1-203004 |  |
| REP | [S1-203004](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203004.zip) | ETSI | Draft minutes of SA1#90e | Approved | Revision of S1-203005. |
| 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 as 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 | | | | | |
| Reports and action items | | | | | |
| REP | [S1-203003](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203003.zip) | SA1 chairman | SA1-related topics at SA#88e | Noted | **e-Thread: [Reports-1]** |
| REP | [S1-203006](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203006.zip) | ETSI | Workplan presentation for SA1#91e | Noted | **e-Thread: [Reports-1]** |
| Cont | [S1-203007](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203007.zip) | SA1 chairman | Guidelines SA1#91e | Noted | **e-Thread: [Reports-1]** |
| Cont | [S1-203008](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203008.zip) | SA1 chairman | Chairman’s views on Rel-18 | Noted | **e-Thread: [Reports-2]** |
| Liaison Statements (including related contributions) | | | | | |
| **Human-readable network name (HRNN) e-Thread: [LS S1-203197]** | | | | | |
| TO | [S1-203197](file:///D:\\3GPP_SA1\\TSGS1_91e_ElectronicMeeting\\Docs\\S1-203197.zip) | CT-201361 | LS on human-readable network name (HRNN) | Noted |  |
| OUT | [S1-203013](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203013.zip) | vivo | Reply LS on human-readable network name (HRNN) (CP-201361/S1-203197) | Revised to S1-203272 |  |
| OUT | [S1-203272](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203272.zip) | vivo | Reply LS on human-readable network name (HRNN) (CP-201361/S1-203197) | Agreed | Revision of S1-203013.  No presentation – No mention number of release in last sentence. Remove DRAFT |
| Cont | [S1-203012](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203012.zip) | vivo | Discussion manual selection of an NPN | Noted |  |
| CR | [S1-203014](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203014.zip) | vivo, Deutsche Telekom, Qualcomm | CR22.261v16.12.0 Addition of Human Readable Network Name | Revised to S1-203270 | *WI code* cyberCAV *Rel-16 CR0455R- Cat F* |
| CR | [S1-203270](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203270.zip) | vivo, Deutsche Telekom, Qualcomm | CR22.261v16.12.0 Addition of Human Readable Network Name | Agreed | *WI code cyberCAV Rel-16 CR0455R- Cat F*  Revision of S1-203014.  No presentation 3270 = S1-203014-r3 |
| CR | [S1-203015](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203015.zip) | vivo, Deutsche Telekom, Qualcomm | CR22.261v17.3.0 Addition of Human Readable Network Name | Revised to S1-203271 | *WI code* cyberCAV *Rel-17 CR0456R- Cat F* |
| CR | [S1-203271](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203271.zip) | vivo, Deutsche Telekom, Qualcomm | CR22.261v17.3.0 Addition of Human Readable Network Name | Agreed | *WI code cyberCAV Rel-17 CR0456R- Cat F*  Revision of S1-203015.  No presentation - Same changes that in S1-203014-r3 Rel-16 but now for Rel-17. Make it Cat. A  No presentation |
| OUT | [S1-203019](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203019.zip) | Ericsson | Reply LS on human-readable network name (HRNN) | Noted |  |
| Cont | [S1-203017](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203017.zip) | Ericsson | Discussion to LS CP-201361 on human-readable network name (HRNN) | Noted |  |
| CR | [S1-203018](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203018.zip) | Ericsson | CR22.261v16.12.0 Correction for human-readable network name | Noted | *WI code* TEI16 *Rel-16 CR0457R- Cat F* |
| CR | [S1-203053](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203053.zip) | Ericsson | CR22.261v17.3.0 Correction for human-readable network name | Noted | *WI code* TEI16 *Rel-17 CR0461R- Cat A* |
| Cont | [S1-203043](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203043.zip) | LG Electronics | DP on network Names and HRNN | Noted | **e-Thread: [LS S1-203197-2]** |
| CR | [S1-203044](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203044.zip) | LG Electronics | CR22.101v16.2.0 correction to network names | Noted | **e-Thread: [LS S1-203197-2]**  *WI code TEI16 Rel-16 CR0567R- Cat F* |
| CR | [S1-203045](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203045.zip) | LG Electronics | CR22.101v17.2.0 correction to network names | Noted | **e-Thread: [LS S1-203197-2]**  *WI code TEI16 Rel-17 CR0568R- Cat A* |
| CR | [S1-203192](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203192.zip) | Apple | CR 22.042v16.0.0 on Human-Readable Network Name for NPN via NITZ | Noted | **e-Thread: [LS S1-203197-3]**  *WI code TEI16 Rel-16 CR0006R- Cat B* |
| OUT | [S1-203211](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203211.zip) | Huawei | Reply LS on human-readable network name (HRNN) | Noted |  |
| Cont | [S1-203216](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203216.zip) | Huawei | Discussion on HRNN used for manual NPN selection | Noted |  |
| CR | S1-203131 | Qualcomm | CR\_22261\_on NPN HRNN requirement | Withdrawn |  |
| OUT | S1-203130 | Qualcomm | Draft reply LS on HRNN for NPN manual selection | Withdrawn |  |
| **Service area restriction for CIoT 5GS optimization e-Thread: [LS S1-203201]** | | | | | |
| TO | [S1-203201](file:///D:\\3GPP_SA1\\TSGS1_91e_ElectronicMeeting\\Docs\\S1-203201.zip) | S2-2004440 | Reply LS on service area restriction for CIoT 5GS optimization | Noted |  |
| OUT | [S1-203132](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203132.zip) | Qualcomm | Draft reply LS on 5GS CIoT area restrictions | Revised to S1-203274 |  |
| OUT | [S1-203274](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203274.zip) | Qualcomm | Draft reply LS on 5GS CIoT area restrictions | Agreed | Revision of S1-203132.  3274=3132r1  No presentation |
| OUT | [S1-203210](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203210.zip) | Huawei | Reply LS on service area restriction for CIoT 5GS optimization | Noted |  |
| OUT | [S1-203212](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203212.zip) | Samsung | [DRAFT] LS on service area restriction for CIoT 5GS optimization | Noted |  |
| Cont | [S1-203215](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203215.zip) | Samsung | CIoT Exception Data and Service Areas | Noted |  |
| CR | [S1-203228](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203228.zip) | Samsung | CR22.261v16.12.0 Priority mobile originated IoT signalling and resource efficiency in the 5GS | Noted | *WI code* 5G\_CIoT *Rel-16 CR0470R- Cat F* |
| CR | [S1-203229](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203229.zip) | Samsung | CR22.261v17.3.0 Priority mobile originated IoT signalling and resource efficiency in the 5GS | Noted | *WI code* 5G\_CIoT *Rel-17 CR0471R- Cat A* |
| **5GMSG store and forward e-Thread: [LS S1-203206]** | | | | | |
| TO | [S1-203206](file:///D:\\3GPP_SA1\\TSGS1_91e_ElectronicMeeting\\Docs\\S1-203206.zip) | S6-200946 | LS on 5GMSG store and forward | Noted |  |
| OUT | [S1-203093](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203093.zip) | China Mobile | LS reply to SA6 on 5GMSG store and forward | Revised to S1-203275 |  |
| OUT | [S1-203275](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203275.zip) | China Mobile | LS reply to SA6 on 5GMSG store and forward | Agreed | Revision of S1-203093.  3275=3093r2  No presentation – NO track changes. |
| **5GMSG requirement clarifications e-Thread: [LS S1-203207]** | | | | | |
| TO | [S1-203207](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203207.zip) | S6-201315 | LS on 5GMSG requirement clarifications | Noted |  |
| OUT | [S1-203094](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203094.zip) | China Mobile | LS reply to SA6 on 5GMSG requirement clarifications | Noted |  |
| OUT | [S1-203127](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203127.zip) | Convida Wireless LLC | Response LS on 5GMSG requirement clarifications | Revised to S1-203273 |  |
| OUT | [S1-203273](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203273.zip) | Convida Wireless LLC | Response LS on 5GMSG requirement clarifications | Agreed | Revision of S1-203127.  No presentation S1-203272 = S1-203127r2. Remove DRAFT. Remove change marks |
| **5G capabilities exposure for factories of the future e-Thread: [LS S1-203195]** | | | | | |
| CC | [S1-203195](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203195.zip) | 5G-ACIA | 5G capabilities exposure for factories of the future | Noted |  |
| OUT | [S1-203243](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203243.zip) | Huawei | LS out 5G exposure capabilities | Noted | Noted during e-diiscussion. |
| Cont | [S1-203242](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203242.zip) | Huawei | Gap analysis 5G exposure | Noted |  |
| OUT | S1-203218 | Huawei | Reply LS on 5G capabilities exposure for factories of the future | Withdrawn |  |
| Cont | S1-203217 | Huawei | Gap analysis on 5G capabilities exposure for factories of the future | Withdrawn |  |
| **Clarification of the definition of a UAS e-Thread: [LS S1-203253]** | | | | | |
| TO | [S1-203253](file:///D:\\3GPP_SA1\\TSGS1_91e_ElectronicMeeting\\docs\\S1-203253.zip) | S6-200544 | LS on Clarification of the definition of a UAS | Noted | Postponed from SA1#90e by decision at SA#88e |
| CR | [S1-203051](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203051.zip) | InterDigital, Tencent, Qualcomm, Deutsche Telekom | CR22.125v17.1.0 Clarification of the definition of a UAS | Revised to S1-203290 | *WI code* ID\_UAS *Rel-17 CR0028R- Cat F* |
| CR | [S1-203290](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203290.zip) | InterDigital, Tencent, Qualcomm, Deutsche Telekom | CR22.125v17.1.0 Clarification of the definition of a UAS | Agreed | *WI code ID\_UAS Rel-17 CR0028R- Cat F*  Revision of S1-203051.  Agreed on Tuesday 1st. |
| **LS OUT** | | | | | |
| OUT | [S1-203088](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203088.zip) | Nokia, Nokia Shanghai Bell | LS on PWS support by NPNs | Noted | e-Thread: [CR\_Rel17-8]  Link to approval of [S1-203087](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203087.zip)  Noted during e-discussion |
| OUT | [S1-203092](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203092.zip) | Nokia, Nokia Shanghai Bell | LS on UAC applicability to IAB-MT | Noted | e-Thread: [CR\_Rel17-9]  Link to approval of [S1-203090](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203090.zip), [S1-203091](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203091.zip) |
| **Incoming LS proposed to be noted e-Thread: [LS CC]** | | | | | |
| CC | [S1-203196](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203196.zip) | C1-203221 | Reply LS on support of eCall over NR | Noted |  |
| CC | [S1-203204](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203204.zip) | S5-203369 | Reply LS to Reply LS on support for eCall over NR | Noted |  |
| CC | [S1-203200](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203200.zip) | S2-2004335 | Reply LS on manual CAG ID selection and granularity of UAC parameters for PNI-NPNs | Noted |  |
| CC | [S1-203202](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203202.zip) | S2-2004478 | Reply LS on the applicability of LADN in an SNPN | Noted |  |
| CC | [S1-203203](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203203.zip) | S2-2004663 | Reply LS on Statement on UAV Remote ID Priority in Release 17 | Noted |  |
| CC | [S1-203205](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203205.zip) | S5-203370 | LS on SA5 Rel-17 work on SLA | Noted |  |
| CC | [S1-203208](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Docs\S1-203208.zip) | SAE AA TC LS to 3GPP RAN v07a | LS on Sidelink Positioning for advanced V2X applications | Noted |  |
| TO | S1-203198 | R2-2003870 | Reply LS on manual CAG selection | Withdrawn | Answered at SA1#90e |
| TO | S1-203199 | R2-2003941 | LS on UAC applicability to IABs | Withdrawn | Answered at SA1#90e |
| New Study and Work Items (including related contributions) | | | | | |
| **New SIDs** | | | | | |
| **New SID on Improvements Network selection e-Thread: [NewSID - FS\_INS]** | | | | | |
| WID | [S1-203016](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203016.zip) | vivo | New SID on Improvements Network selection | Noted |  |
| **New SID on network efficiency for wideband media services e-Thread: [NewSID - FS\_NEWMedia]** | | | | | |
| Cont | [S1-203149](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203149.zip) | Huawei | motivation for study on network efficiency for wideband media services | Noted |  |
| WID | [S1-203148](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203148r4.zip) | Huawei | New SID on network efficiency for wideband media services | Revised to S1-203291 |  |
| WID | [S1-203291](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203291.zip) | Huawei | New SID on network efficiency for wideband media services | Noted | Revision of S1-203148. |
| **New SID on network providing access to specific services e-Thread: [NewSID - FS\_5G-PASS]** | | | | | |
| Cont | [S1-203154](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203154.zip) | Qualcomm | Study on network providing access to specific services - Motivation | Noted |  |
| WID | [S1-203152](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203152r2.zip) | Qualcomm | New SID: Study on network providing access to specific services | Revised to S1-203276 |  |
| WID | [S1-203276](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203276.zip) | Qualcomm | New SID: Study on network providing access to specific services | Agreed | Revision of S1-203152.  3276=3152r2 + additional supporting companies  No presentation |
| **New SID on Vehicle Relays e-Thread: [NewSID - FS\_VMR]** | | | | | |
| Cont | [S1-203156](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203156.zip) | Qualcomm | Study on Vehicle Relays - Motivations | Noted |  |
| WID | [S1-203155](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203155.zip) | Qualcomm | New SID: Study on Vehicle Relays | Revised to S1-203292 |  |
| WID | [S1-203292](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203292.zip) | Qualcomm | New SID: Study on Vehicle Relays | Agreed | Revision of S1-203155.  Agreed on Tuesday 1st. |
| **New SID on Multimedia Priority Service (MPS) Phase 3 e-Thread: [NewSID - FS\_MPS3]** | | | | | |
| WID | [S1-203159](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203159.zip) | Perspecta Labs | New Feasibility Study on Multimedia Priority Service (MPS) Phase 3 | Noted |  |
| **New SID on Support for Service Function Chaining in 5GS e-Thread: [NewSID -** **FS\_SFCin5GS]** | | | | | |
| Cont | [S1-203161](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203161.zip) | Intel | Study on Support for Service Function Chaining in 5GS - Motivations | Noted |  |
| WID | [S1-203162](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203162.zip) | Intel | New SID: Support for Service Function Chaining in 5GS | Revised to S1-203293 |  |
| WID | [S1-203293](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203293.zip) | Intel | New SID: Support for Service Function Chaining in 5GS | Noted | Revision of S1-203162. |
| **New SID on 5G System Support for Service-Oriented Robots with Human Interactions e-Thread: [NewSID -** **FS\_SOBOT]** | | | | | |
| Cont | [S1-203180](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203180.zip) | LG Electronics Inc. | Study on 5G System Support for Service-Oriented Robots with Human Interactions - Motivation Part I Enhanced Interaction with Application layer | Noted |  |
| Cont | [S1-203181](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203181.zip) | LG Electronics Inc. | Study on 5G System Support for Service-Oriented Robots with Human Interactions - Motivation Part II Use of DLT for Robots | Noted |  |
| WID | [S1-203171](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203171.zip) | LG Electronics Inc. | Study on 5G System Support for Service-Oriented Robots with Human Interactions | Revised to S1-203294 |  |
| WID | [S1-203294](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203294r1.zip) | LG Electronics Inc. | Study on 5G System Support for Service-Oriented Robots with Human Interactions | Noted | Revision of S1-203171. |
| **New SID on supporting tactile and multi-modality communication services in 5GS e-Thread: [NewSID -** **FS\_TMMin5GS]** | | | | | |
| Cont | [S1-203184](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203184.zip) | China Mobile, Xiaomi | Motivation for New Study on tactile and multi modality communication services in 5GS | Noted |  |
| WID | [S1-203183](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203183.zip) | China Mobile, Xiaomi | New SID: Study on supporting tactile and multi-modality communication services in 5GS | Revised to S1-203295 |  |
| WID | [S1-203295](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203295.zip) | China Mobile, Xiaomi | New SID: Study on supporting tactile and multi-modality communication services in 5GS | Noted | Revision of S1-203183. |
| **New SID onlow-power and high-precision positioning services for personnel management in vertical domain e-Thread: [NewSID - FS\_LPHPP]** | | | | | |
| Cont | [S1-203189](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203189.zip) | China Mobile, Huawei | Motivation for low-power and high-precision positioning service for personnel management in vertical domain | Noted |  |
| WID | [S1-203186](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203186.zip) | China Mobile, Huawei | New SID on low-power and high-precision positioning services for personnel management in vertical domain | Noted |  |
| **New SID on communication services for smart medical applications e-Thread: [NewSID - FS\_SMED]** | | | | | |
| WID | [S1-203190](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203190.zip) | China Mobile | New SID: Study on communication services for smart medical applications | Noted |  |
| **New SID on Distributed AIoT Network e-Thread: [NewSID - FS\_DAIoT]** | | | | | |
| Cont | [S1-203219](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203219.zip) | China Unicom | Discussion on New SID:Study on Distributed AIoT Network | Noted |  |
| WID | [S1-203220](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203220.zip) | China Unicom | New SID:Study on Distributed AIoT Network | Noted |  |
| **New SID on supporting 5G delay sensitive services allowing satellite access e-Thread: [NewSID - FS\_5GDSSSAT]** | | | | | |
| Cont | [S1-203177](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203177.zip) | Xiaomi | Feasibility Study on supporting 5G delay sensitive services allowing satellite access | Noted |  |
| WID | [S1-203178](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203178.zip) | Xiaomi | New SID\_Feasibility Study on 5G delay sensitive services allowing satellite access | Noted |  |
| **New SID on enhancing 5G system with satellite backhaul e-Thread: [NewSID - FS\_e5GSATB]** | | | | | |
| Cont | [S1-203226](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203226.zip) | CATT | Motivations for study on enhancing 5G system with satellite backhaul | Noted |  |
| WID | [S1-203223](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203223.zip) | CATT, China Telecom, InterDigital | New Study on enhancing 5G system with satellite backhaul | Noted |  |
| **New SID on backhaul networks for 5G systems e-Thread: [NewSID - FS\_BN5GS]** | | | | | |
| Cont | [S1-203245](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203245.zip) | THALES | Justification to WID on Study on backhaul networks for 5G systems\_x00B\_ | Noted |  |
| WID | [S1-203244](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203244.zip) | THALES, TNO | Study on backhaul networks for 5G systems | Noted |  |
| **New WIDs** | | | | | |
| **New WID on** **Subscriber-aware Northbound API access e-Thread: [NewWID – SNA]** | | | | | |
| WID | [S1-203237](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_91e_ElectronicMeeting/Docs/S1-203237.zip) | NTT DOCOMO INC. | New WID on Subscriber-aware Northbound API access | Revised to S1-203296 |  |
| WID | [S1-203296](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203296.zip) | NTT DOCOMO INC. | New WID on Subscriber-aware Northbound API access | Agreed | Revision of S1-203237.  Agreed on Tuesday 1st. |
| CR | [S1-203238](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_91e_ElectronicMeeting/Docs/S1-203238.zip) | NTT DOCOMO INC. | CR22.261v17.3.0 Addition of requirements on Subscriber-aware Northbound API access | Revised to S1-203297 | *WI code* DUMMY *Rel-18 CR0472R- Cat B* |
| CR | [S1-203297](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203297.zip) | NTT DOCOMO INC. | CR22.261v17.3.0 Addition of requirements on Subscriber-aware Northbound API access | Agreed | *WI code DUMMY Rel-18 CR0472R- Cat B*  Revision of S1-203238.  Agreed on Tuesday 1st. |
| **New WID on Enhancement of authentication of UEs roaming between 4G and 5G** **e-Thread: [NewWID – eAuth45]** | | | | | |
| WID | [S1-203239](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203239.zip) | NTT DOCOMO INC. | New WID on Enhancement of authentication of UEs roaming between 4G and 5G | Noted |  |
| CR | [S1-203240](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203240.zip) | NTT DOCOMO INC. | CR22.261v17.3.0 Addition of requirements on Enhancement of authentication of UEs roaming between 4G and 5G | Noted | *WI code* DUMMY *Rel-18 CR0473R- Cat B* |
|  | S1-203179 | Xiaomi | Motivation for New Study on Supporting tactile and multi-modality communication services in 5GS | Withdrawn |  |
|  | S1-203185 | China Mobile Com. Corporation, Huawei | New SID on low-power and high-precision positioning services for personnel management in vertical domain | Withdrawn |  |
|  | S1-203187 | China Mobile, Huawei | Motivation for low-power and high-precision positioning service for personnel management in vertical domain | Withdrawn |  |
| 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 | [S1-203073](file:///D:\\3GPP_SA1\\TSGS1_91e_ElectronicMeeting\\docs\\S1-203073.zip) | Siemens, Sennheiser, EBU, BMWi, BBC, Bosch | Motivation for enumerating the requirements in TS 22.261 and TS 22.104 | Endorsed | **e-Thread: [CR\_Quality – TR22.261**]  *Endorsed during e-discussion.* |
| **TR 22.261 e-Thread: [CR\_Quality – TR22.261]** | | | | | |
| CR | [S1-203063](file:///D:\\3GPP_SA1\\TSGS1_91e_ElectronicMeeting\\docs\\S1-203063.zip) | Siemens | CR22.261v17.3.0 Editorial modifications | Revised to S1-203373 | *WI code* eCAV *Rel-17 CR0462R- Cat D*  *Wrong Rel in cover page.* |
| CR | [S1-203373](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203373r01.zip) | Siemens | CR22.261v17.3.0 Editorial modifications | Revised to S1-203406 | *WI code eCAV Rel-17 CR0462R- Cat D*  *Wrong Rel in cover page.*  Revision of S1-203063. |
| CR | [S1-203406](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203406.zip) | Siemens | CR22.261v17.3.0 Editorial modifications | Agreed | *WI code eCAV Rel-17 CR0462R- Cat D*  *Wrong Rel in cover page.*  *Revision of S1-203063.*  Revision of S1-203373.  2406 = 3373r1  No presentation |
| CR | [S1-203064](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203064.zip) | Siemens | CR22.261v16.12.0 Editorial modification | Noted | *WI code* cyberCAV *Rel-16 CR0463R- Cat D* |
| CR | [S1-203071](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203071.zip) | Siemens, Sennheiser, EBU, BMWi, BBC, Bosch | CR22.261v16.12.0 Enumeration of requirements in TS 22.261 (R16; this CR does not introduce any technical change) | Revised to S1-203374 | *WI code* cyberCAV *Rel-16 CR0464R- Cat D* |
| CR | [S1-203374](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203374.zip) | Siemens, Sennheiser, EBU, BMWi, BBC, Bosch | CR22.261v16.12.0 Enumeration of requirements in TS 22.261 (R16; this CR does not introduce any technical change) | Agreed | *WI code cyberCAV Rel-16 CR0464R- Cat D*  Revision of S1-203071.  Agreed on Tuesday 1st. |
| CR | [S1-203072](file:///D:\\3GPP_SA1\\TSGS1_91e_ElectronicMeeting\\docs\\S1-203072.zip) | Siemens, Sennheiser, EBU, BMWi, BBC, Bosch | CR22.261v17.3.0 Enumeration of requirements in TS 22.261 (R17; this CR does not introduce any technical change) | Revised to S1-203375 | *WI code* eCAV *Rel-17 CR0465R- Cat D*  *Wrong Rel in cover page* |
| CR | [S1-203375](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203375.zip) | Siemens, Sennheiser, EBU, BMWi, BBC, Bosch | CR22.261v17.3.0 Enumeration of requirements in TS 22.261 (R17; this CR does not introduce any technical change) | Agreed | *WI code eCAV Rel-17 CR0465R- Cat D*  *Wrong Rel in cover page*  Revision of S1-203072.  Agreed on Tuesday 1st. |
| **TR 22.104 e-Thread: [CR\_Quality – TR22.104]** | | | | | |
| CR | [S1-203247](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203247.zip) | ETRI | CR22.104v17.3.0 Cleanup | Revised into S-203252r1 | *WI code* eCAV *Rel-17 CR0056CRR- Cat D* |
| CR | [S1-203067](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203067.zip) | Siemens | CR22.104v17.3.0 Editorial modifications | Revised into S-203252r1 | *WI code* eCAV *Rel-17 CR0052R- Cat D* |
| CR | [S1-203069](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203069.zip) | Siemens, Sennheiser, EBU, BMWi, BBC, Bosch | CR22.104v17.3.0 Enumeration of requirements in TS 22.104 (R17; this CR does not introduce any technical change) | Revised to S1-203376 | *WI code* eCAV *Rel-17 CR0053R- Cat D* |
| CR | [S1-203376](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203376.zip) | Siemens, Sennheiser, EBU, BMWi, BBC, Bosch | CR22.104v17.3.0 Enumeration of requirements in TS 22.104 (R17; this CR does not introduce any technical change) | Agreed | *WI code eCAV Rel-17 CR0053R- Cat D*  Revision of S1-203069.  Agreed on Tuesday 1st. |
| CR | [S1-203070](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203070.zip) | Siemens, Sennheiser, EBU, BMWi, BBC, Bosch | CR22.104v16.5.0 Enumeration of requirements in TS 22.104 (R16; this CR does not introduce any technical change) | Revised to S1-203378 | *WI code* eCAV *Rel-16 CR0054R- Cat D* |
| CR | [S1-203378](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203378.zip) | Siemens, Sennheiser, EBU, BMWi, BBC, Bosch | CR22.104v16.5.0 Enumeration of requirements in TS 22.104 (R16; this CR does not introduce any technical change) | Agreed | *WI code eCAV Rel-16 CR0054R- Cat D*  Revision of S1-203070.  Agreed on Tuesday 1st. |
| CR | [S1-203075](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203075.zip) | Siemens | CR22.104v17.3.0 Burst definition | Agreed | *WI code* eCAV *Rel-17 CR0055R- Cat D*  Agreed on Tuesday 1st. |
| CR | [S1-203252](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203252.zip) | Siemens | CR 22.104 R17.3.0 Editorial Improvements – Decimal Separator | Revised to S1-203379 | *WI code eCAV Rel-17 CR0058R- Cat D* |
| CR | [S1-203379](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203379.zip) | Siemens | CR 22.104 R17.3.0 Editorial Improvements – Decimal Separator | Agreed | *WI code eCAV Rel-17 CR0058R- Cat D*  Revision of S1-203252.  Agreed on Tuesday 1st. |
| CR | [S1-203251](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203251.zip) | Siemens | CR 22.104v16.5.0 Editorial Improvements – Decimal Separator | Noted | *WI code* cyberCAV *Rel-16 CR0057R- Cat F*  *Noted during e-discussion.* |
| **TR 22.832 e-Thread: [CR\_Quality – TR22.832]** | | | | | |
| CR | [S1-203249](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203249.zip) | Siemens | CR 22.832v17.2.0 - Editorial Improvements | Agreed | *WI code* FS\_eCAV *Rel-17 CR0031R- Cat F*  Agreed on Tuesday 1st. |
| CR | [S1-203250](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203250.zip) | Siemens | CR 22.832 v17.2.0 - Editorial Formatting Improvements | Agreed | *WI code* FS\_eCAV *Rel-17 CR0030R- Cat D*  Agreed on Tuesday 1st. |
| Rel-17 and earlier contributions | | | | | |
| Rel-17 correction and clarification CRs | | | | | |
| Cont | [S1-203047](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203047.zip) | LG Electronics | DP on Multicast Requirement | Noted | **e-Thread: [CR\_Rel17-1]** |
| CR | [S1-203048](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203048.zip) | LG Electronics | CR22.263v17.1.0 Correction to Multicast Requirement | Revised to S1-203298 | **e-Thread: [CR\_Rel17-1]**  *WI code* AVPROD *Rel-17 CR0008R- Cat F* |
| CR | [S1-203298](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203298.zip) | LG Electronics | CR22.263v17.1.0 Correction to Multicast Requirement | Noted | ***e-Thread: [CR\_Rel17-1]***  *WI code AVPROD Rel-17 CR0008R- Cat F*  Revision of S1-203048. |
| Cont | [S1-203049](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203049.zip) | LG Electronics | DP on CMAS ETWS for NPN | Noted | **e-Thread: [CR\_Rel17-2]** |
| CR | [S1-203050](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203050.zip) | LG Electronics | CR22.261v17.3.0 DP on CMAS ETWS for NPN | Revised to S1-203299 | **e-Thread: [CR\_Rel17-2]**  *WI code* TEI17 *Rel-17 CR0460R- Cat F* |
| CR | [S1-203299](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203299.zip) | LG Electronics | CR22.261v17.3.0 DP on CMAS ETWS for NPN | Noted | ***e-Thread: [CR\_Rel17-2]***  *WI code TEI17 Rel-17 CR0460R- Cat F*  Revision of S1-203050.  Noted (proposed by LGE after objections from VIVO and Qualcomm on Tuesday 1st). |
| CR | [S1-203065](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203065.zip) | Tencent | CR22.263v17.1.0 Clarification on Clock Synchornicity - Alt. 1 | Noted | **e-Thread: [CR\_Rel17-3]**  *WI code* AVPROD *Rel-17 CR0009R- Cat F* |
| CR | [S1-203066](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203066.zip) | Tencent | CR22.263v17.1.0 Clarification on Clock Synchronicity - Alt. 2 | Revised to S1-203300 | **e-Thread: [CR\_Rel17-3]**  *WI code* AVPROD *Rel-17 CR0010R- Cat F* |
| CR | [S1-203300](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203300.zip) | Tencent | CR22.263v17.1.0 Clarification on Clock Synchronicity - Alt. 2 | Agreed | ***e-Thread: [CR\_Rel17-3]***  *WI code AVPROD Rel-17 CR0010R- Cat F*  Revision of S1-203066.  Agreed on Tuesday 1st. |
| CR | [S1-203105](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203105.zip) | UIC | CR22.889v17.2.0 Complete analysis for Rel-17 On-Network FRMCS requirements | Revised to S1-203301 | **e-Thread: [CR\_Rel17-4]**  *WI code* FS\_FRMCS3*Rel-17 CRXXXXR- Cat F*  Missing CR number |
| CR | [S1-203301](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203301.zip) | UIC | CR22.889v17.2.0 Complete analysis for Rel-17 On-Network FRMCS requirements | Revised to S1-203407 | ***e-Thread: [CR\_Rel17-4]***  *WI code FS\_FRMCS3Rel-17 CRXXXXR- Cat F*  *Missing CR number*  Revision of S1-203105.  Wrong counter – need a revision (new counter r2) |
| CR | [S1-203407](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203407.zip) | UIC | CR22.889v17.2.0 Complete analysis for Rel-17 On-Network FRMCS requirements | Agreed | ***e-Thread: [CR\_Rel17-4]***  *WI code FS\_FRMCS3Rel-17 CRXXXXR- Cat F*  *Missing CR number*  *Revision of S1-203105.*  *Wrong counter – need a revision (new counter r2)*  **Revision of S1-203301.** |
| CR | [S1-203133](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203133.zip) | Qualcomm | CR22.278v17.1.0 Clarification on MUSIM requirements | Noted | **e-Thread: [CR\_Rel17-5]**  *WI code MUSIM Rel-17 CR0280R- Cat F* |
| Cont | [S1-203193](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203193.zip) | Apple | Manual network selection mode with equivalent PLMNs and Steering of Roaming | Noted | **e-Thread: [CR\_Rel17-6]**  Noted during e-discussion |
| CR | [S1-203194](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203194.zip) | Apple | CR22.011v17.1.0 on Manual network selection mode with equivalent PLMNs and Steering of Roaming | Noted | **e-Thread: [CR\_Rel17-6]**  *WI code TEI17 Rel-17 CR0314R- Cat F*  Noted during e-discussion |
| CR | [S1-203227](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203227.zip) | Samsung | CR22.011v17.1.0 Corrections to Service accessibility specification | Revised to S1-203302 | **e-Thread: [CR\_Rel17-7]**  *WI code TEI17 Rel-17 CR0315R- Cat F* |
| CR | [S1-203302](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203302.zip) | Samsung | CR22.011v17.1.0 Corrections to Service accessibility specification | Agreed | ***e-Thread: [CR\_Rel17-7]***  *WI code TEI17 Rel-17 CR0315R- Cat F*  Revision of S1-203227.  Agreed on Tuesday 1st. |
| CR | [S1-203087](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203087.zip) | Nokia, Nokia Shanghai Bell, KPN | CR22.268v16.3.0 Non public network support for PWS | Noted | **e-Thread: [CR\_Rel17-8]**  *WI code* TEI16 *Rel-16 CR0066R- Cat B*  *Wrong Rel in the cover page and maybe WIC*  Noted during e-discussion |
| Cont | [S1-203089](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203089.zip) | Nokia, Nokia Shanghai Bell | Discussion on Access Identify for IAB-MT | Noted | **e-Thread: [CR\_Rel17-9]** |
| CR | [S1-203090](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203090.zip) | Nokia, Nokia Shanghai Bell | CR22.261v16.12.0 UAC enhancement for IAB | Noted | **e-Thread: [CR\_Rel17-9]**  *WI code* SMARTER\_Ph2 *Rel-16 CR0466R- Cat F* |
| CR | [S1-203091](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203091.zip) | Nokia, Nokia Shanghai Bell | CR22.261v17.3.0 UAC enhancement for IAB | Noted | **e-Thread: [CR\_Rel17 -9]**  *WI code* SMARTER\_Ph2 *Rel-16 CR0467R- Cat A* |
| CR | [S1-203249](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203249.zip) | Siemens | CR 22.832v17.2.0 Editorial Improvements | Moved to 5 | *WI code* FS\_eCAV *Rel-17 CR0031R- Cat F* |
| CR | [S1-203250](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203250.zip) | Siemens | CR 22.832 v17.2.0 Editorial Formatting Improvements | Moved to 5 | *WI code* FS\_eCAV *Rel-17 CR0030R- Cat D* |
| CR | [S1-203252](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203252.zip) | Siemens | CR 22.104 R17.3.0 Editorial Improvements – Decimal Separator | Moved to 5 | *WI code eCAV Rel-17 CR0058R- Cat D* |
| CR | [S1-203051](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203051.zip) | InterDigital, Tencent, Qualcomm, Deutsche Telekom | CR22.125v17.1.0 Clarification of the definition of a UAS | Moved to 3 | *WI code* ID\_UAS *Rel-17 CR0028R- Cat F* |
| OUT | [S1-203088](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203088.zip) | Nokia, Nokia Shanghai Bell | LS on PWS support by NPNs | Moved to 3 |  |
| OUT | [S1-203092](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203092.zip) | Nokia, Nokia Shanghai Bell | LS on UAC applicability to IAB-MT | Moved to 3 |  |
| CR | S1-203086 | Nokia, Nokia Shanghai Bell, KPN | Non public network support for PWS | Withdrawn |  |
| 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. | | | | | |
| CR | [S1-203034](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203034.zip) | LG Electronics | CR22.011v16.4.0 Requirement Alignment related to PLMN reselection | Revised to S1-203303 | **e-Thread: [CR\_Rel16-1]**  *WI code TEI16 Rel-16 CR0311R- Cat F*  *Wrong date in cover sheet* |
| CR | [S1-203303](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203303.zip) | LG Electronics | CR22.011v16.4.0 Requirement Alignment related to PLMN reselection | Agreed | ***e-Thread: [CR\_Rel16-1]***  *WI code TEI16 Rel-16 CR0311R- Cat F*  *Wrong date in cover sheet*  Revision of S1-203034.  Agreed on Tuesday 1st. |
| CR | [S1-203035](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203035.zip) | LG Electronics | CR22.011v17.1.0 Requirement Alignment related to PLMN reselection | Noted | **e-Thread: [CR\_Rel16-1]**  *WI code TEI16 Rel-17 CR0312R- Cat A*  *Wrong date in cover sheet* |
| Cont | [S1-203036](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203036.zip) | LG Electronics | DP on Relay alignment and way forward | Noted | **e-Thread: [CR\_Rel16-2]** |
| CR | [S1-203037](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203037.zip) | LG Electronics | CR22.278v16.2.0 Requirement alignment for Relay | Noted | **e-Thread: [CR\_Rel16-2]**  *WI code REAR Rel-16 CR0279R- Cat F*  *Wrong date in cover sheet* |
| CR | [S1-203038](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203038.zip) | LG Electronics | CR22.011v16.4.0 Requirement alignment for Relay | Revised to S1-203264 | **e-Thread: [CR\_Rel16-2]**  *WI code REAR Rel-16 CR0313R- Cat F*  *Wrong date in cover sheet* |
| CR | [S1-203264](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203264.zip) | LG Electronics | CR22.011v16.4.0 Requirement alignment for Relay | Agreed | ***e-Thread: [CR\_Rel16-2]***  *WI code REAR Rel-16 CR0313R- Cat F*  *Wrong date in cover sheet*  **Revision of S1-203038.**  **Correct date and r counter** |
| CR | [S1-203039](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203039.zip) | LG Electronics | CR22.115v16.2.0 Requirement alignment for Relay | Revised to S1-203265 | **e-Thread: [CR\_Rel16-2]**  *WI code REAR Rel-16 CR0103R- Cat F*  *Wrong date in cover sheet* |
| CR | [S1-203265](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203265.zip) | LG Electronics | CR22.115v16.2.0 Requirement alignment for Relay | Agreed | ***e-Thread: [CR\_Rel16-2]***  *WI code REAR Rel-16 CR0103R- Cat F*  *Wrong date in cover sheet*  **Revision of S1-203039.** |
| CR | [S1-203040](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203040.zip) | LG Electronics | CR22.261v16.12.0 Requirement alignment for Relay | Revised to S1-203266 | **e-Thread: [CR\_Rel16-2]**  *WI code REAR Rel-16 CR0458R- Cat F*  *Wrong date in cover sheet* |
| CR | [S1-203266](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203266.zip) | LG Electronics | CR22.261v16.12.0 Requirement alignment for Relay | Agreed | ***e-Thread: [CR\_Rel16-2]***  *WI code REAR Rel-16 CR0458R- Cat F*  *Wrong date in cover sheet*  **Revision of S1-203040.** |
| CR | [S1-203041](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203041.zip) | LG Electronics | CR22.268v16.3.0 Requirement alignment for Relay | Revised to S1-203267 | **e-Thread: [CR\_Rel16-2]**  *WI code REAR Rel-16 CR0064R- Cat F*  *Wrong date in cover sheet* |
| CR | [S1-203267](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203267.zip) | LG Electronics | CR22.268v16.3.0 Requirement alignment for Relay | Agreed | ***e-Thread: [CR\_Rel16-2]***  *WI code REAR Rel-16 CR0064R- Cat F*  *Wrong date in cover sheet*  **Revision of S1-203041.** |
| CR | [S1-203042](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203042.zip) | LG Electronics | CR22.119v16.1.0 Requirement alignment for Relay | Revised to S1-203268 | **e-Thread: [CR\_Rel16-2]**  *WI code REAR Rel-16 CR0003R- Cat F*  *Wrong date in cover sheet* |
| CR | [S1-203268](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203268.zip) | LG Electronics | CR22.119v16.1.0 Requirement alignment for Relay | Agreed | ***e-Thread: [CR\_Rel16-2]***  *WI code REAR Rel-16 CR0003R- Cat F*  *Wrong date in cover sheet*  **Revision of S1-203042.** |
| CR | [S1-203046](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203046.zip) | LG Electronics | CR22.261v16.12.0 Correction on IAB-MT applicability | Noted | **e-Thread: [CR\_Rel16-3]**  *WI code TEI16 Rel-16 CR0315R- Cat F*  *Wrong date in cover sheet* |
| CR | [S1-203057](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203057.zip) | Deutsche Telekom | CR22.101v16.2.0 remove non-implemented UIA requirements | Agreed | **e-Thread: [CR\_Rel16-4]**  *WI code TEI16 Rel-16 CR0569R- Cat F* |
| CR | [S1-203058](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203058.zip) | Deutsche Telekom | CR22.115v16.2.0 remove UIA charging requirements | Agreed | **e-Thread: [CR\_Rel16-4]**  *WI code UIA Rel-16 CR0104R- Cat F* |
| CR | [S1-203119](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203119.zip) | ETRI | CR 22.261v16.12.0 R16 for 5GSAT requirement alignment | Agreed | **e-Thread: [CR\_Rel16-5]**  *WI code* 5GSAT *Rel-16 CR0468R- Cat F* |
| Rel-16 and earlier CRs (other than alignment) | | | | | |
| CR | [S1-203123](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203123.zip) | MCC | CR22.119v16.1.0 Clarification and disambiguation of text, provision of missing abbreviations and references | Revised to S1-203269 | **e-Thread: [CR\_Rel16-others]**  *WI code* 5GSAT *Rel-16 CR0004R- Cat F*  No presentation |
| CR | [S1-203269](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203269.zip) | MCC | CR22.119v16.1.0 Clarification and disambiguation of text, provision of missing abbreviations and references | Agreed | ***e-Thread: [CR\_Rel16-others]***  *WI code 5GSAT Rel-16 CR0004R- Cat F*  *No presentation*  **Revision of S1-203123.**  **No stage 2/3 references** |
| CR | [S1-203251](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203251.zip) | Siemens | CR 22.104v16.5.0 Editorial Improvements – Decimal Separator | Moved to 5 | *WI code* cyberCAV *Rel-16 CR0057R- Cat F* |
| 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: TR22.873 v0.2.0  completion date: SA#91 (03/2021)  Percentage completion: 10% | | | | **Details e-mail discussion:**  Moderator: Toon Norp  # e-threads: 7 | |
| **General** | | | | | |
| Cont | [S1-203176](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203176r3.zip) | China Mobile | FS\_MMTELin5G scope | Revised to S1-203277 | **e-Thread: [FS\_MMTELin5G-1]**  M. Comments: r3 ready to agreed. |
| Cont | [S1-203277](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203277.zip) | China Mobile | FS\_MMTELin5G scope | Approved | ***e-Thread: [FS\_MMTELin5G-1]***  *M. Comments: r3 ready to agreed.*  **Revision of S1-203176.** |
| Cont | [S1-203234](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203234.zip) | Sony Mobile Communications | Addition to scope for MMTelin5G | Merged into 203176r3 | **e-Thread: [FS\_MMTELin5G-1]**  M. Comments: noted |
| **Use cases** | | | | | |
| Cont | [S1-203172](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203172.zip) | China Mobile | FS\_MMTELin5G Use case on AR-enriched call | Revised to S1-203304 | **e-Thread: [FS\_MMTELin5G-2]** |
| Cont | [S1-203304](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203304.zip) | China Mobile | FS\_MMTELin5G Use case on AR-enriched call | Noted | ***e-Thread: [FS\_MMTELin5G-2]***  **Revision of S1-203172.** |
| Cont | [S1-203173](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203173.zip) | China Mobile | FS\_MMTELin5G Use case on real-time interactive call | Revised to S1-203305 | **e-Thread: [FS\_MMTELin5G-3]** |
| Cont | [S1-203305](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203305.zip) | China Mobile | FS\_MMTELin5G Use case on real-time interactive call | Noted | ***e-Thread: [FS\_MMTELin5G-3]***  Revision of S1-203173. |
| Cont | [S1-203174](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203174.zip) | China Mobile | FS\_MMTELin5G Use case on Enhanced conference call | Noted | **e-Thread: [FS\_MMTELin5G-4]** |
| Cont | [S1-203175](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203175.zip) | China Mobile | FS\_MMTELin5G Use case on real-time speech recognition during a call | Revised to S1-203307 | **e-Thread: [FS\_MMTELin5G-5]** |
| Cont | [S1-203307](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203307.zip) | China Mobile | FS\_MMTELin5G Use case on real-time speech recognition during a call | Approved | ***e-Thread: [FS\_MMTELin5G-5]***  Revision of S1-203175.  Approved on Tuesday 1st. |
| Cont | [S1-203213](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203213.zip) | China Mobile | FS\_MMTELin5G Use case on service using image identification in a call | Noted | **e-Thread: [FS\_MMTELin5G-6]** |
| Cont | [S1-203235](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203235.zip) | Sony | Addition to use case conference call with AR holography | Noted | **e-Thread: [FS\_MMTELin5G-7]** |
| Cont | [S1-203308](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203308.zip) | China Mobile | FS\_MMTELin5G Use case on service using image identification in a call | Withdrawn | ***e-Thread: [FS\_MMTELin5G-6]***  Revision of S1-203213. |
| Cont | [S1-203309](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203309.zip) | Sony | Addition to use case conference call with AR holography | Withdrawn | ***e-Thread: [FS\_MMTELin5G-7]***  Revision of S1-203235. |
| Cont | S1-203182 | China Mobile | FS\_MMTELin5G Use case on service using image identification in a call | Withdrawn |  |
| FS\_MMTELin5G output | | | | | |
| TR | [S1-203380](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203380.zip) | Rapporteur (China Mobile) | TR22.873 v.0.3.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| 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: TR22.881v0.2.0  Target completion date: SA#91 (03/2021)  Percentage completion: 5% | | | | **Details e-mail discussion:**  Moderator: Toon Norp  # e-threads: 3 | |
| Cont | [S1-203233](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203233.zip) | BDBOS | Overview clause for 3GPP TR 22.881 | Approved | **e-Thread:** **[FS\_ SACI\_MCS-1]**  M. Comments: ready to agreed. |
| Cont | [S1-203230](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203230.zip) | BDBOS | Use case - Changing group membership in a Partner MCX Service System | Revised to S1-203310 | **e-Thread:** **[FS\_ SACI\_MCS-2]** |
| Cont | [S1-203310](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203310.zip) | BDBOS | Use case - Changing group membership in a Partner MCX Service System | Approved | ***e-Thread: [FS\_ SACI\_MCS-2]***  Revision of S1-203230**.**  Approved on Tuesday 1st. |
| Cont | [S1-203231](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203231.zip) | BDBOS | Security aspects potential requirements for 3GPP TR 22.881 | Revised to S1-203311 | **e-Thread: [FS\_ SACI\_MCS-3]** |
| Cont | [S1-203311](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203311.zip) | BDBOS | Security aspects potential requirements for 3GPP TR 22.881 | Approved | ***e-Thread: [FS\_ SACI\_MCS-3]***  Revision of S1-203231.  Approved on Tuesday 1st. |
| Cont | [S1-203232](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203232.zip) | BDBOS | Discussion on additional security aspects for 3GPP TR 22.881 | Noted | **e-Thread: [FS\_ SACI\_MCS-3]**  Noted during the e-discussion |
| FS\_ SACI\_MCS output | | | | | |
| TR | [S1-203381](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203381.zip) | Rapporteur (BDBOS) | TR22.881 v.0.3.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| FS\_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: TR22.890v0.1.0  Target completion date: SA#91 (03/2021)  Percentage completion : 5% | | | | **Details e-mail discussion:**  Moderator: -  # e-threads: 0 | |
| 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: TR22.874 v0.0.0  Target completion date: SA#91 (03/2021)  Percentage completion: 0% | | | | **Details e-mail discussion:**  Moderator: Greg Schumacher  # e-threads: 16 | |
| **General** | | | | | |
| Cont | [S1-203150](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203150.zip) | OPPO | FS\_AMMT: TR 22.874 skeleton | Approved | **e-Thread: [****FS\_AMMT-1]**  Approved on Tuesday 1st. |
| Cont | [S1-203137](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203137.zip) | OPPO, InterDigital | FS\_AMMT Scope | Approved | **e-Thread: [FS\_AMMT-1]**  Approved on Tuesday 1st. |
| **Use Cases** | | | | | |
| Cont | [S1-203052](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203052.zip) | LG Electronics | Data Transfer Disturbance in Multi-agent multi-device ML Operations | Revised to S1-203284 | **e-Thread: [FS\_AMMT-2]** |
| Cont | [S1-203284](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203284.zip) | LG Electronics | Data Transfer Disturbance in Multi-agent multi-device ML Operations | Approved | ***e-Thread: [FS\_AMMT-2]***  **Revision of S1-203052.**  Approved on Tuesday 1st. |
| Cont | [S1-203074](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203074.zip) | InterDigital | FS\_AMMT – Use case on Real time media editing with on-board AI inference | Approved | **e-Thread: [FS\_AMMT-3]**  Approved on Tuesday 1st. |
| Cont | [S1-203096](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203096.zip) | vivo | use case-Federated Learning | Noted | **e-Thread: [FS\_AMMT-4]** |
| Cont | [S1-203098](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203098.zip) | vivo | use case-Cloud download for AI | Noted | **e-Thread: [FS\_AMMT-5]** |
| Cont | [S1-203135](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203135.zip) | Qualcomm | Use case for FS\_AMMT: enhanced media recognition | Approved | **e-Thread: [FS\_AMMT-6]**  Approved on Tuesday 1st. |
| Cont | [S1-203136](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203136.zip) | Qualcomm | Use case for FS\_AMMT: media quality enhancement | Approved | **e-Thread: [FS\_AMMT-7]**  Approved on Tuesday 1st. |
| Cont | [S1-203138](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203138.zip) | OPPO | FS\_AMMT Use case - Split image recognition | Revised to S1-203312 | **e-Thread: [FS\_AMMT-8]** |
| Cont | [S1-203312](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203312.zip) | OPPO | FS\_AMMT Use case - Split image recognition | Approved | ***e-Thread: [FS\_AMMT-8]***  Revision of S1-203138.  Approved on Tuesday 1st. |
| Cont | [S1-203139](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203139.zip) | OPPO | FS\_AMMT Use case - Split robot control | Revised to S1-203313 | **e-Thread: [FS\_AMMT-9]** |
| Cont | [S1-203313](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203313.zip) | OPPO | FS\_AMMT Use case - Split robot control | Approved | ***e-Thread: [FS\_AMMT-9]***  Revision of S1-203139.  Approved on Tuesday 1st. |
| Cont | [S1-203140](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203140.zip) | OPPO | FS\_AMMT Use case - AI/ML model downloading for image recognition | Revised to S1-203314 | **e-Thread: [FS\_AMMT-10]** |
| Cont | [S1-203314](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203314.zip) | OPPO | FS\_AMMT Use case - AI/ML model downloading for image recognition | Approved | ***e-Thread: [FS\_AMMT-10]***  **Revision of S1-203140.**  Approved on Tuesday 1st. |
| Cont | [S1-203188](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203188.zip) | LG Electronics | Compressed Federated Learning | Revised to S1-203315 | **e-Thread: [FS\_AMMT-11]** |
| Cont | [S1-203315](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203315.zip) | LG Electronics | Compressed Federated Learning | Approved | ***e-Thread: [FS\_AMMT-11]***  Revision of S1-203188.  Approved on Tuesday 1st. |
| Cont | [S1-203225](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203225.zip) | Samsung | Model transfer split computation decision factor | Revised to S1-203316 | **e-Thread: [FS\_AMMT-12]** |
| Cont | [S1-203316](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203316.zip) | Samsung | Model transfer split computation decision factor | Approved | ***e-Thread: [FS\_AMMT-12]***  Revision of S1-203225.  Approved on Tuesday 1st. |
| Cont | [S1-203141](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203141.zip) | OPPO | FS\_AMMT Use case - AI/ML model downloading for speech recognition | Revised to S1-203317 | **e-Thread: [FS\_AMMT-17]** |
| Cont | [S1-203317](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203317.zip) | OPPO | FS\_AMMT Use case - AI/ML model downloading for speech recognition | Approved | ***e-Thread: [FS\_AMMT-17]***  Revision of S1-203141.  Approved on Tuesday 1st. |
| Cont | [S1-203142](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203142.zip) | OPPO | FS\_AMMT Use case - Federated Learning for image recognition | Revised to S1-203318 | **e-Thread: [FS\_AMMT-18]** |
| Cont | [S1-203318](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203318.zip) | OPPO | FS\_AMMT Use case - Federated Learning for image recognition | Approved | ***e-Thread: [FS\_AMMT-18]***  Revision of S1-203142.  Approved on Tuesday 1st. |
| Cont | [S1-203143](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203143.zip) | OPPO | FS\_AMMT Use case - Network information exposure for AI model split | Merge into S1-203225 | **e-Thread: [FS\_AMMT-19]** |
| **Annexes** | | | | | |
| Cont | [S1-203144](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203144.zip) | OPPO | FS\_AMMT Annex - General principle of split AI/ML operation | Approved | **e-Thread: [FS\_AMMT-13]**  Approved on Tuesday 1st. |
| Cont | [S1-203145](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203145.zip) | OPPO | FS\_AMMT Annex - General principle of AI/ML model distribution | Approved | **e-Thread: [FS\_AMMT-14]**  Approved on Tuesday 1st. |
| Cont | [S1-203146](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203146.zip) | OPPO | FS\_AMMT Annex - General principle of Federated Learning over 5GS | Approved | **e-Thread: [FS\_AMMT-15]**  Approved on Tuesday 1st. |
| Cont | [S1-203158](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203158.zip) | OPPO | FS\_AMMT: Annex - Introduction to AI/ML models | Approved | **e-Thread: [FS\_AMMT-16]**  Approved on Tuesday 1st. |
| Cont | S1-203134 | Qualcomm | Use case for FS\_AMMT: smart automotive | Withdrawn |  |
| FS\_AMMT output | | | | | |
| TR | [S1-203382](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203382.zip) | Rapporteur (OPPO) | TR22.874 v0.1.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| 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: Cyril Michel (Thales)  Latest version: TR22.906 v0.0.0  Target completion date: SA#91 (03/2021)  Percentage completion: 0% | | | | **Details e-mail discussion:**  Moderator: Jose Almodovar  # e-threads: 2 | |
| **General** | | | | | |
| Cont | [S1-203246](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203246%20r1.zip) | THALES | FS\_5GET TR Skeleton | Revised to S1-203278 | **e-Thread: [FS\_ 5GET-1]**  M. Comments: r1 Ready for approval |
| Cont | [S1-203278](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203278.zip) | THALES | FS\_5GET TR Skeleton | Approved | ***e-Thread: [FS\_ 5GET-1]***  *M. Comments: r1 Ready for approval*  **Revision of S1-203246.** |
| Cont | [S1-203022](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203022%20r1.zip) | THALES | FS\_5GET TR Scope | Revised to S1-203279 | **e-Thread: [FS\_ 5GET-1]**  M. Comments: r1 is ready for approval |
| Cont | [S1-203279](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203279.zip) | THALES | FS\_5GET TR Scope | Approved | ***e-Thread: [FS\_ 5GET-1]***  *M. Comments: r1 is ready for approval*  **Revision of S1-203022.** |
| Cont | [S1-203023](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203023.zip) | THALES | FS\_5GET TR Overview | Approved | **e-Thread: [FS\_ 5GET-1]**  M. Comments: is ready for approval |
| **Others** | | | | | |
| Cont | [S1-203024](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203024%20r1.zip) | THALES | Input for Section 5 territories affected by regulatory requirements | Revised to S1-203319 | **e-Thread: [FS\_ 5GET-2]** |
| Cont | [S1-203319](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203319.zip) | THALES | Input for Section 5 territories affected by regulatory requirements | Approved | ***e-Thread: [FS\_ 5GET-2]***  Revision of S1-203024.  Approved on Tuesday 1st. |
| Cont | [S1-203020](http://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_91e_ElectronicMeeting/Docs/S1-203020.zip) | THALES | FS\_5GET TR Skeleton | Withdrawn |  |
| Cont | S1-203021 | THALES | FS\_5GET TR Introduction | Withdrawn |  |
| FS\_ 5GET output | | | | | |
| TR | [S1-203383](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203383.zip) | Rapporteur (THALES) | TR22.906 v0.1.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| 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: TR22.835v0.0.0  Target completion date: SA#91 (03/2021)  Percentage completion: 0% | | | | **Details e-mail discussion:**  Moderator: Mark Younge  # e-threads: 11 | |
| **General** | | | | | |
| Cont | [S1-203025](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203025.zip) | LG Electronics (Rapporteur) | FS\_EASNS TR 22.835 skeleton | Approved | **e-Thread: [****FS\_EASNS-1]**  M. Comments: Ready for approval |
| Cont | [S1-203026](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203026r5.zip) | LG Electronics (Rapporteur) | FS\_EASNS TP for Scope section | Revised to S1-203280 | **e-Thread: [FS\_EASNS-1]**  M. Comments: r5 ready for approval |
| Cont | [S1-203280](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203280.zip) | LG Electronics (Rapporteur) | FS\_EASNS TP for Scope section | Approved | ***e-Thread: [FS\_EASNS-1]***  *M. Comments: r5 ready for approval*  **Revision of S1-203026.** |
| **Use Cases** | | | | | |
| Cont | [S1-203027](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203027r4.zip) | LG Electronics, LG Uplus | FS\_EASNS new use case: Initial access scenario for a network slice service | Revised to S1-203320 | **e-Thread: [FS\_EASNS-2]** |
| Cont | [S1-203320](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203320r1.zip) | LG Electronics, LG Uplus | FS\_EASNS new use case: Initial access scenario for a network slice service | Revised to S1-203408 | ***e-Thread: [FS\_EASNS-2]***  Revision of S1-203027. |
| Cont | [S1-203408](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203408.zip) | LG Electronics, LG Uplus | FS\_EASNS new use case: Initial access scenario for a network slice service | Approved | ***e-Thread: [FS\_EASNS-2]***  *Revision of S1-203027.*  Revision of S1-203320.  Remove last two requirements. |
| Cont | [S1-203028](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203028r3.zip) | LG Electronics, LG Uplus | FS\_EASNS new use case: Mobility Handling scenario for a network slice service | Revised to S1-203321 | **e-Thread: [FS\_EASNS-3]** |
| Cont | [S1-203321](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203321.zip) | LG Electronics, LG Uplus | FS\_EASNS new use case: Mobility Handling scenario for a network slice service | Approved | ***e-Thread: [FS\_EASNS-3]***  Revision of S1-203028.  Approved on Tuesday 1st. |
| Cont | [S1-203029](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203029r3.zip) | LG Electronics | FS\_EASNS new use case: Service scenario for disjoint network slices | Revised to S1-203322 | **e-Thread: [FS\_EASNS-4]** |
| Cont | [S1-203322](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203322.zip) | LG Electronics | FS\_EASNS new use case: Service scenario for disjoint network slices | Approved | ***e-Thread: [FS\_EASNS-4]***  Revision of S1-203029.  Approved on Tuesday 1st. |
| Cont | [S1-203030](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203030r2.zip) | LG Electronics | FS\_EASNS new use case: Regionally different resources for network slices | Noted | **e-Thread: [FS\_EASNS-5]**  M. Comments: noted during e-discussion |
| Cont | [S1-203031](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203031r3.zip) | LG Electronics | FS\_EASNS new use case: Use of Multi-RAT for network slice | Revised to S1-203323 | **e-Thread: [FS\_EASNS-6]** |
| Cont | [S1-203323](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203323.zip) | LG Electronics | FS\_EASNS new use case: Use of Multi-RAT for network slice | Approved | ***e-Thread: [FS\_EASNS-6]***  **Revision of S1-203031.**  Approved on Tuesday 1st. |
| Cont | [S1-203032](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203032.zip) | LG Electronics | FS\_EASNS new use case: Isolation of resource for network slice | Noted | **e-Thread: [FS\_EASNS-7]**  Noted during e-discussion |
| Cont | [S1-203068](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203068r03.zip) | Tencent | New use case for FS\_EASNS: Enhanced Slice Access per Application | Revised to S1-203324 | **e-Thread: [FS\_EASNS-8]** |
| Cont | [S1-203324](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203324r1.zip) | Tencent | New use case for FS\_EASNS: Enhanced Slice Access per Application | Revised to S1-203409 | ***e-Thread: [FS\_EASNS-8]***  Revision of S1-203068**.** |
| Cont | [S1-203409](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203409.zip) | Tencent | New use case for FS\_EASNS: Enhanced Slice Access per Application | Approved | ***e-Thread: [FS\_EASNS-8]***  *Revision of S1-203068****.***  **Revision of S1-203324.**  **Last editors note: Potential requirements T.B.D.** This use case can be also revisited. |
| Cont | [S1-203120](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203120r3.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS: Use case on access to network slices when roaming | Revised to S1-203325 | **e-Thread: [FS\_EASNS-9]** |
| Cont | [S1-203325](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203325r1.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS: Use case on access to network slices when roaming | Revised to S1-203410 | ***e-Thread: [FS\_EASNS-9]***  Revision of S1-203120. |
| Cont | [S1-203410](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203410.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS: Use case on access to network slices when roaming | Agreed | ***e-Thread: [FS\_EASNS-9]***  *Revision of S1-203120.*  **Revision of S1-203325.**  Includes Editor’s note: This requirement is FFS. |
| Cont | [S1-203191](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203191r4.zip) | Apple | FS\_EASNS: Access to slices on different networks while roaming | Revised to S1-203326 | **e-Thread: [FS\_EASNS-10]** |
| Cont | [S1-203326](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203326.zip) | Apple | FS\_EASNS: Access to slices on different networks while roaming | Approved | ***e-Thread: [FS\_EASNS-10]***  Revision of S1-203191.  Approved on Tuesday 1st. |
| **Others** | | | | | |
| Cont | [S1-203033](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203033.zip) | LG Electronics | FS\_EASNS Consideration for Different type of frequency | Revised to S1-203327 | **e-Thread: [FS\_EASNS-11]** |
| Cont | [S1-203327](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203327.zip) | LG Electronics | FS\_EASNS Consideration for Different type of frequency | Noted | ***e-Thread: [FS\_EASNS-11]***  Revision of S1-203033.  Noted (proposed by LGE after objections from Qualcomm, Ericsson and Nokia on Tuesday 1st). |
| FS\_EASNS output | | | | | |
| TR | [S1-203384](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203384.zip) | Rapporteur (LG Electronics) | TR22.835 v0.1.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| 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: TR22.990 v0.0.0  Target completion date: SA#91 (03/2021)  Percentage completion: 0% | | | | **Details e-mail discussion:**  Moderator: Jose Almodovar  # e-threads: 3 | |
| **General** | | | | | |
| Cont | [S1-203107](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203107.zip) | UIC | FS\_OFFNETRAIL TR Skeleton | Revised to S1-203281 | **e-Thread: [FS\_OffNetRail-1]**  M. Comments: r1 ready to agreed. |
| Cont | [S1-203281](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203281.zip) | UIC | FS\_OFFNETRAIL TR Skeleton | Approved | ***e-Thread: [FS\_OffNetRail-1]***  *M. Comments: r1 ready to agreed.*  Revision of S1-203107.  No presentation |
| Cont | [S1-203110](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203110.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Scope | Revised to S1-203255 | Needs to be transformed to pCR |
| Cont | [S1-203255](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203255.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Scope | Approved | **e-Thread: [FS\_OffNetRail-1]**  Revision of S1-203110.  M. Comments: ready to agreed.  No presentation |
| Cont | [S1-203111](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203111.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Overview | Revised to S1-203256 | Needs to be transformed to pCR |
| Cont | [S1-203256](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203256.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Overview | Approved | **e-Thread: [FS\_OffNetRail-1]**  Revision of S1-203111.  M. Comments: ready to agreed.  No presentation |
| **Introductions** | | | | | |
| Cont | [S1-203109](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203109.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Introduction | Revised to S1-203254 | Needs to be transformed to pCR |
| Cont | [S1-203254](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203254.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Introduction | Approved | **e-Thread: [FS\_OffNetRail-2]**  Revision of S1-203109.  M. Comments: ready to agreed.  No presentation |
| Cont | [S1-203112](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203112.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Chapter 5 | Revised to S1-203257 | Needs to be transformed to pCR |
| Cont | [S1-203257](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203257.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Chapter 5 | Approved | **e-Thread: [FS\_OffNetRail-2]**  Revision of S1-203112.  M. Comments: ready to agreed.  No presentation |
| Cont | [S1-203114](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203114.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Chapter 6 | Revised to S1-203258 | Needs to be transformed to pCR |
| Cont | [S1-203258](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203258.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Chapter 6 | Approved | **e-Thread: [FS\_OffNetRail-2]**  Revision of S1-203114.  M. Comments: ready to agreed.  No presentation |
| Cont | [S1-203115](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203115.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Chapter 7 | Revised to S1-203259 | Needs to be transformed to pCR |
| Cont | [S1-203259](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203259.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Chapter 7 | Approved | **e-Thread: [FS\_OffNetRail-2]**  Revision of S1-203115.  M. Comments: ready to agreed  No presentation |
| Cont | [S1-203116](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203116.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Key Issues | Revised to S1-203260 | Needs to be transformed to pCR |
| Cont | [S1-203260](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203260.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Key Issues | Revised to S1-203328 | **e-Thread: [FS\_OffNetRail-2]**  Revision of S1-203116. |
| Cont | [S1-203328](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203328.zip) | UIC | FS\_OFFNETRAIL TR 22.990 Key Issues | Approved | ***e-Thread: [FS\_OffNetRail-2]***  *Revision of S1-203116.*  Revision of S1-203260.  Approved on Tuesday 1st. |
| **Use cases** | | | | | |
| Cont | [S1-203117](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203117.zip) | UIC | FS\_OFFNETRAIL TR 22.990 UC Trackside Maintenance Warning System | Revised to S1-203261 | Needs to be transformed to pCR |
| Cont | [S1-203261](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203261r1.zip) | UIC | FS\_OFFNETRAIL TR 22.990 UC Trackside Maintenance Warning System | Revised to S1-203329 | **e-Thread: [FS\_OffNetRail-3]**  Revision of S1-203117. |
| Cont | [S1-203329](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203329.zip) | UIC | FS\_OFFNETRAIL TR 22.990 UC Trackside Maintenance Warning System | Approved | ***e-Thread: [FS\_OffNetRail-3]***  *Revision of S1-203117.*  Revision of S1-203261.  Approved on Tuesday 1st. |
| Cont | [S1-203118](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203118.zip) | UIC | FS\_OFFNETRAIL TR 22.990 UC Remote Control of Engines | Revised to S1-203262 | Needs to be transformed to pCR |
| Cont | [S1-203262](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203262r1.zip) | UIC | FS\_OFFNETRAIL TR 22.990 UC Remote Control of Engines | Revised to S1-203330 | **e-Thread: [FS\_OffNetRail-3]**  Revision of S1-203118. |
| Cont | [S1-203330](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203330.zip) | UIC | FS\_OFFNETRAIL TR 22.990 UC Remote Control of Engines | Approved | ***e-Thread: [FS\_OffNetRail-3]***  *Revision of S1-203118.*  Revision of S1-203262.  Approved on Tuesday 1st. |
| FS\_OffNetRail output | | | | | |
| TR | [S1-203385](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203385.zip) | Rapporteur (UIC) | TR22.990 v0.1.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| 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: TR22.878 v0.0.0  Target completion date: SA#91 (03/2021)  Percentage completion: 0% | | | | **Details e-mail discussion:**  Moderator: Greg Schumacher  # e-threads: 4 | |
| **General** | | | | | |
| Cont | [S1-203080](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203080.zip) | Nokia | TR 22.878 skeleton | Agreed | **e-Thread: [FS\_5TRS-1]**  No presentation |
| Cont | [S1-203081](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203081.zip) | Nokia | FS\_5TRS Scope | Revised to S1-203331 | **e-Thread: [FS\_5TRS-1]** |
| Cont | [S1-203331](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203331.zip) | Nokia | FS\_5TRS Scope | Approved | ***e-Thread: [FS\_5TRS-1]***  Revision of S1-203081.  Approved on Tuesday 1st. |
| Cont | [S1-203082](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203082.zip) | Nokia | FS\_5TRS Overview | Revised to S1-203332 | **e-Thread: [FS\_5TRS-1]** |
| Cont | [S1-203332](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203332.zip) | Nokia | FS\_5TRS Overview | Approved | ***e-Thread: [FS\_5TRS-1]***  Revision of S1-203082.  Approved on Tuesday 1st. |
| **Use Cases** | | | | | |
| Cont | [S1-203083](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203083.zip) | Nokia | Use case on timing accuracy needed for smart grid | Revised to S1-203333 | **e-Thread: [FS\_5TRS-2]** |
| Cont | [S1-203333](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203333.zip) | Nokia | Use case on timing accuracy needed for smart grid | Noted | ***e-Thread: [FS\_5TRS-2]***  Revision of S1-203083. |
| Cont | [S1-203084](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203084.zip) | Nokia | Use case on timing and timing resiliency delivery to smart grid | Revised to S1-203334 | **e-Thread: [FS\_5TRS-3]** |
| Cont | [S1-203334](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203334.zip) | Nokia | Use case on timing and timing resiliency delivery to smart grid | Approved | ***e-Thread: [FS\_5TRS-3]***  Revision of S1-203084.  Approved on Tuesday 1st. |
| Cont | [S1-203241](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203241.zip) | NextNav, Broadcom, Omnispace | New use case for 5G System Timing Resiliency | Revised to S1-203335 | **e-Thread: [FS\_5TRS-3]** |
| Cont | [S1-203335](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203335.zip) | NextNav, Broadcom, Omnispace | New use case for 5G System Timing Resiliency | Approved | ***e-Thread: [FS\_5TRS-3]***  Revision of S1-203241.  Approved on Tuesday 1st. |
| Cont | [S1-203085](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203085.zip) | Nokia | Use case on secure Clock signals to Devices and Application Servers | Revised to S1-203336 | **e-Thread: [FS\_5TRS-4]** |
| Cont | [S1-203336](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203336r1.zip) | Nokia | Use case on secure Clock signals to Devices and Application Servers | Revised to S1-203411 | ***e-Thread: [FS\_5TRS-4]***  Revision of S1-203085. |
| Cont | [S1-203411](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203411.zip) | Nokia | Use case on secure Clock signals to Devices and Application Servers | Approved | ***e-Thread: [FS\_5TRS-4]***  *Revision of S1-203085.*  **Revision of S1-203336.**  **3411=3336r1** |
| FS\_5TRS online | | | | | |
| TR | [S1-203386](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203386.zip) | Rapporteur (Nokia) | TR22.878 v0.1.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| 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: TR22.867 v0.0.0  Target completion date: SA#91 (03/2021)  Percentage completion: 0% | | | | **Details e-mail discussion:**  Moderator: Jose Almodovar  # e-threads: 9 | |
| **General** | | | | | |
| Cont | [S1-203164](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203164r1.zip) | China Telecomunication | TR 22.867 skeleton for 5GSEI | Revised to S1-203286 | **e-Thread: [FS\_5GSEI-1]**  M. Comments: r1 ready to agreed.  **No presentation** |
| Cont | [S1-203286](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203286.zip) | China Telecomunication | TR 22.867 skeleton for 5GSEI | Approved | ***e-Thread: [FS\_5GSEI-1]***  *M. Comments: r1 ready to agreed.*  Revision of S1-203164. |
| Cont | [S1-203165](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203165.zip) | China Telecomunication. | FS\_5GSEI overview | Approved | **e-Thread: [FS\_5GSEI-1]**  M. Comments: ready to agreed.  Approved on Tuesday 1st. |
| Cont | [S1-203166](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203166.zip) | China Telecomunication. | FS\_5GSEI scope | Approved | **e-Thread: [FS\_5GSEI-1]**  M. Comments: ready to agreed. |
| **Use Cases** | | | | | |
| Cont | [S1-203101](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203101.zip) | CEPRI, ZTE | Use Case of Distributed Power Storage | Revised to S1-203337 | **e-Thread: [FS\_5GSEI-2]** |
| Cont | [S1-203337](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203337.zip) | CEPRI, ZTE | Use Case of Distributed Power Storage | Approved | ***e-Thread: [FS\_5GSEI-2]***  Revision of S1-203101.  Approved on Tuesday 1st. |
| Cont | [S1-203104](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203104.zip) | China Southern Power Grid, CEPRI,ZTE | Use Case of Advanced Metering for Smart Grid | Revised to S1-203338 | **e-Thread: [FS\_5GSEI-3]** |
| Cont | [S1-203338](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203338.zip) | China Southern Power Grid, CEPRI,ZTE | Use Case of Advanced Metering for Smart Grid | Approved | ***e-Thread: [FS\_5GSEI-3]***  Merge of S1-203104 and S1-203167  Approved on Tuesday 1st. |
| Cont | [S1-203167](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203167.zip) | China Telecommunications | Use case of Smart Metering | Merge into S1-203338 | **e-Thread: [FS\_5GSEI-3]** |
| Cont | [S1-203106](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203106.zip) | ZTE, China Southern Power Grid | Use Case of Distributed Automation | Revised to S1-203340 | **e-Thread: [FS\_5GSEI-4]** |
| Cont | [S1-203340](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203340.zip) | ZTE, China Southern Power Grid | Use Case of Distributed Automation | Approved | ***e-Thread: [FS\_5GSEI-4]***  Revision of S1-203106.  Approved on Tuesday 1st. |
| Cont | [S1-203108](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203108.zip) | ZTE, China Southern Power Grid, China Telecom | Use Case of smart and accurate on-site patrol & remote maintenance | Noted | **e-Thread: [FS\_5GSEI-5]** |
| Cont | [S1-203124](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203124r2.zip) | Huawei | Use case of line current differential protection in power distribution grid | Revised to S1-203342 | **e-Thread: [FS\_5GSEI-6]** |
| Cont | [S1-203342](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203342.zip) | Huawei | Use case of line current differential protection in power distribution grid | Approved | ***e-Thread: [FS\_5GSEI-6]***  Revision of S1-203124**.**  Approved on Tuesday 1st. |
| Cont | [S1-203221](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203221.zip) | Samsung, Orange, Nokia, Nokia Shanghai Bell | Smart Energy Differentiated QoS for Transported Encrypted Data | Revised to S1-203343 | **e-Thread: [FS\_5GSEI-7]** |
| Cont | [S1-203343](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203343.zip) | Samsung, Orange, Nokia, Nokia Shanghai Bell | Smart Energy Differentiated QoS for Transported Encrypted Data | Approved | ***e-Thread: [FS\_5GSEI-7]***  Revision of S1-203221.  Approved on Tuesday 1st. |
| Cont | [S1-203222](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203222.zip) | Samsung, Orange, Nokia, Nokia Shanghai Bell | Service Lifetime for Utility Communication Services Deployments | Revised to S1-203344 | **e-Thread: [FS\_5GSEI-8]** |
| Cont | [S1-203344](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203344.zip) | Samsung, Orange, Nokia, Nokia Shanghai Bell | Service Lifetime for Utility Communication Services Deployments | Approved | ***e-Thread: [FS\_5GSEI-8]***  Revision of S1-203222.  Approved on Tuesday 1st. |
| Cont | [S1-203224](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203224.zip) | Samsung, Orange, Nokia, Nokia Shanghai Bell | Remote DSO management of connectivity for Smart Energy | Revised to S1-203345 | **e-Thread: [FS\_5GSEI-9]** |
| Cont | [S1-203345](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203345.zip) | Samsung, Orange, Nokia, Nokia Shanghai Bell | Remote DSO management of connectivity for Smart Energy | Approved | ***e-Thread: [FS\_5GSEI-9]***  Revision of S1-203224.  Approved on Tuesday 1st. |
| FS\_5GSEI output | | | | | |
| TR | [S1-203387](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203387.zip) | Rapporteur (China Telecom) | TR22.867 v0.1.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| 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: TR22.855 v0.0.0  Target completion date: SA#91 (03/2021)  Percentage completion: 0% | | | | **Details e-mail discussion:**  Moderator: Mona Mustapha  # e-threads: 13 | |
| **General** | | | | | |
| Cont | [S1-203097](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203097r5.zip) | Xiaomi | TP on Overview | Revised to S1-203346 | **e-Thread: [FS\_Ranging-1]** |
| Cont | [S1-203346](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203346.zip) | Xiaomi | TP on Overview | Approved | ***e-Thread: [FS\_Ranging-1]***  Revision of S1-203097.  Approved on Tuesday 1st. |
| Cont | [S1-203099](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203099r1.zip) | Xiaomi | FS\_Ranging Scope | Revised to S1-203282 | **e-Thread: [FS\_Ranging-1]**  M. Comments: r1 ready to agreed.  No presentation |
| Cont | [S1-203282](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203282.zip) | Xiaomi | FS\_Ranging Scope | Approved | ***e-Thread: [FS\_Ranging-1]***  *M. Comments: r1 ready to agreed.*  *No presentation*  **Revision of S1-203099.** |
| Cont | [S1-203100](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203100.zip) | Xiaomi | FS\_Ranging Skeleton | Approved | **e-Thread: [FS\_Ranging-1]**  M. Comments: ready to agreed. |
| **Use Cases** | | | | | |
| Cont | [S1-203102](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203102r4.zip) | Xiaomi | FS\_Ranging Use case: Distance based Smart Home Device Control | Revised to S1-203347 | **e-Thread: [FS\_Ranging-2]** |
| Cont | [S1-203347](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203347.zip) | Xiaomi | FS\_Ranging Use case: Distance based Smart Home Device Control | Approved | ***e-Thread: [FS\_Ranging-2]***  Revision of S1-203102.  Approved on Tuesday 1st. |
| Cont | [S1-203103](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203103r5.zip) | Xiaomi | FS\_Ranging use case: Smart Home TV Control | Revised to S1-203348 | **e-Thread: [FS\_Ranging-3]** |
| Cont | [S1-203348](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203348.zip) | Xiaomi | FS\_Ranging use case: Smart Home TV Control | Revised to S1-203412 | ***e-Thread: [FS\_Ranging-3]***  Revision of S1-203103. |
| Cont | [S1-203412](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203412.zip) | Xiaomi | FS\_Ranging use case: Smart Home TV Control | Approved | ***e-Thread: [FS\_Ranging-3]***  *Revision of S1-203103.*  **Revision of S1-203348.**  **Introduce in p. requirements** Editor’s note: this requirement is FFS. |
| Cont | [S1-203121](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203121r4.zip) | Spreadtrum Communications | Smart Vehicle Key use case for FS\_Ranging TR22.855 | Revised to S1-203349 | **e-Thread: [FS\_Ranging-4]** |
| Cont | [S1-203349](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203349.zip) | Spreadtrum Communications | Smart Vehicle Key use case for FS\_Ranging TR22.855 | Approved | ***e-Thread: [FS\_Ranging-4]***  Revision of S1-203121.  Approved on Tuesday 1st. |
| Cont | [S1-203122](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203122r4.zip) | Spreadtrum Communications | Finding items in a supermarket use case for FS\_Ranging TR22.855 | Revised to S1-203350 | **e-Thread: [FS\_Ranging-5]** |
| Cont | [S1-203350](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203350.zip) | Spreadtrum Communications | Finding items in a supermarket use case for FS\_Ranging TR22.855 | Approved | ***e-Thread: [FS\_Ranging-5]***  Revision of S1-203122.  Approved on Tuesday 1st. |
| Cont | [S1-203126](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203126r2.zip) | China Telecom | Use case of museum tour based on ranging | Revised to S1-203351 | **e-Thread: [FS\_Ranging-6]** |
| Cont | [S1-203351](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203351r1.zip) | China Telecom | Use case of museum tour based on ranging | Revised to S1-203413 | ***e-Thread: [FS\_Ranging-6]***  **Revision of S1-203126.** |
| Cont | [S1-203413](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203413.zip) | China Telecom | Use case of museum tour based on ranging | Approved | ***e-Thread: [FS\_Ranging-6]***  ***Revision of S1-203126.***  **Revision of S1-203351.**  **3413=3351r1** |
| Cont | [S1-203147](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203147r2.zip) | OPPO | FS\_Ranging Use case - Touchless self-checkout machine control | Revised to S1-203352 | **e-Thread: [FS\_Ranging-7]** |
| Cont | [S1-203352](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203352.zip) | OPPO | FS\_Ranging Use case - Touchless self-checkout machine control | Approved | ***e-Thread: [FS\_Ranging-7]***  Revision of S1-203147.  Approved on Tuesday 1st. |
| Cont | [S1-203168](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203168r6.zip) | China Telecommunications | Use Case of Hands Free Access | Revised to S1-203353 | **e-Thread: [FS\_Ranging-8]** |
| Cont | [S1-203353](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203353r1.zip) | China Telecommunications | Use Case of Hands Free Access | Revised to S1-203414 | ***e-Thread: [FS\_Ranging-8]***  Revision of S1-203168. |
| Cont | [S1-203414](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203414.zip) | China Telecommunications | Use Case of Hands Free Access | Approved | ***e-Thread: [FS\_Ranging-8]***  *Revision of S1-203168.*  **Revision of S1-203353.**  **3414=3353r1 + Adapt requirements**  The 5G system shall be able to support for a UE to discover other UEs supporting Ranging.  The 5G system shall be able to provide ranging service with following performance KPIs. |
| Cont | [S1-203169](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203169r4.zip) | China Telecommunications | Use Case of Smart Transportation Metro/Bus Validation | Revised to S1-203354 | **e-Thread: [FS\_Ranging-9]** |
| Cont | [S1-203354](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203354r1.zip) | China Telecommunications | Use Case of Smart Transportation Metro/Bus Validation | Revised to S1-203415 | ***e-Thread: [FS\_Ranging-9]***  Revision of S1-203169. |
| Cont | [S1-203415](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203415.zip) | China Telecommunications | Use Case of Smart Transportation Metro/Bus Validation | Approved | ***e-Thread: [FS\_Ranging-9]***  *Revision of S1-203169.*  **Revision of S1-203354.**  **3415=3354r1 + Adapt requirements**  The 5G system shall be able to support for a UE to discover other UEs supporting Ranging.  The 5G system shall be able to provide ranging service with following performance KPIs. |
| Cont | [S1-203170](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203170r3.zip) | China Telecommunications | Use Case of Distance based Intelligent Perception for Public Safety | Revised to S1-203355 | **e-Thread: [FS\_Ranging-10]** |
| Cont | [S1-203355](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203355r1.zip) | China Telecommunications | Use Case of Distance based Intelligent Perception for Public Safety | Revised to S1-203416 | ***e-Thread: [FS\_Ranging-10]***  Revision of S1-203170. |
| Cont | [S1-203416](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203416.zip) | China Telecommunications | Use Case of Distance based Intelligent Perception for Public Safety | Approved | ***e-Thread: [FS\_Ranging-10]***  *Revision of S1-203170.*  **Revision of S1-203355.**  **3416=33551 + Adapt requirements**  The 5G system shall be able to support for a UE to discover other UEs supporting Ranging.  The 5G system shall be able to provide ranging service with following performance KPIs. |
| Cont | [S1-203214](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203214r3.zip) | Huawei | Picture and video sharing based on ranging results | Revised to S1-203356 | **e-Thread: [FS\_Ranging-11]** |
| Cont | [S1-203356](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203356.zip) | Huawei | Picture and video sharing based on ranging results | Approved | ***e-Thread: [FS\_Ranging-11]***  Revision of S1-203214.  Approved on Tuesday 1st. |
| Cont | [S1-203236](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203236r3.zip) | Sony | Use case for ranging for vending machine | Revised to S1-203357 | **e-Thread: [FS\_Ranging-12]** |
| Cont | [S1-203357](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203357.zip) | Sony | Use case for ranging for vending machine | Approved | ***e-Thread: [FS\_Ranging-12]***  Revision of S1-203236.  Approved on Tuesday 1st. |
| **Others** | | | | | |
| Cont | [S1-203128](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203128r1.zip) | LG Electronics | TP for Consideration for reference of measurement | Revised to S1-203358 | **e-Thread: [FS\_Ranging-13]** |
| Cont | [S1-203358](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203358.zip) | LG Electronics | TP for Consideration for reference of measurement | Approved | ***e-Thread: [FS\_Ranging-13]***  Revision of S1-203128.  Approved on Tuesday 1st. |
| Cont | [S1-203129](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203129r1.zip) | LG Electronics | TP for Changing Coordinates | Revised to S1-203359 | **e-Thread: [FS\_Ranging-13]** |
| Cont | [S1-203359](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203359.zip) | LG Electronics | TP for Changing Coordinates | Approved | ***e-Thread: [FS\_Ranging-13]***  Revision of S1-203129.  Approved on Tuesday 1st. |
| FS\_Ranging output | | | | | |
| TR | [S1-203388](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203388.zip) | Rapporteur (Xiaomi) | TR22.855 v0.1.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| 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: TR22.858 v0.0.0  Target completion date: SA#91 (03/2021)  Percentage completion: 0% | | | | **Details e-mail discussion:**  Moderator: Mona Mustapha  # e-threads: 7 | |
| **General** | | | | | |
| Cont | [S1-203054](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203054.zip) | KPN | FS\_Resident TR Skeleton | Approved | **e-Thread: [FS\_Resident-1]**  M. Comments: ready to agreed  No presentation |
| Cont | [S1-203055](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203055.zip) | KPN | 22.858 FS\_Resident Scope | Approved | **e-Thread: [FS\_Resident-1]**  M. Comments: ready to agreed  No presentation |
| Cont | [S1-203056](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203056.zip) | KPN | 22.858 FS\_Resident Overview | Revised to S1-203360 | **e-Thread: [FS\_Resident-1]** |
| Cont | [S1-203360](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203360.zip) | KPN | 22.858 FS\_Resident Overview | Approved | ***e-Thread: [FS\_Resident-1]***  Revision of S1-203056.  Approved on Tuesday 1st. |
| **Use Cases** | | | | | |
| Cont | [S1-203076](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203076r2.zip) | KPN | FS\_Resident Use case Base Station QoS | Revised to S1-203361 | **e-Thread: [FS\_Resident-2]** |
| Cont | [S1-203361](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203361.zip) | KPN | FS\_Resident Use case Base Station QoS | Approved | ***e-Thread: [FS\_Resident-2]***  Revision of S1-203076.  Approved on Tuesday 1st. |
| Cont | [S1-203077](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203077r3.zip) | KPN | FS\_Resident Use case Base Station Visitor Access | Revised to S1-203362 | **e-Thread: [FS\_Resident-3]** |
| Cont | [S1-203362](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203362.zip) | KPN | FS\_Resident Use case Base Station Visitor Access | Approved | ***e-Thread: [FS\_Resident-3]***  Revision of S1-203077.  Approved on Tuesday 1st. |
| Cont | [S1-203078](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203078r1.zip) | KPN | FS\_Resident Traffic Scenario | Revised to S1-203363 | **e-Thread: [FS\_Resident-4]** |
| Cont | [S1-203363](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203363r1.zip) | KPN | FS\_Resident Traffic Scenario | Revised to S1-203417 | ***e-Thread: [FS\_Resident-4]***  Revision of S1-203078. |
| Cont | [S1-203417](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203417.zip) | KPN | FS\_Resident Traffic Scenario | Approved | ***e-Thread: [FS\_Resident-4]***  *Revision of S1-203078.*  **Revision of S1-203363.**  **3417=3363r1** |
| Cont | [S1-203125](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203125r7.zip) | China Telecom | Use case of QoS maintenance from outdoor to indoor | Revised to S1-203364 | **e-Thread: [FS\_Resident-5]** |
| Cont | [S1-203364](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203364.zip) | China Telecom | Use case of QoS maintenance from outdoor to indoor | Approved | ***e-Thread: [FS\_Resident-5]***  Revision of S1-203125.  Approved on Tuesday 1st. |
| Cont | [S1-203151](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203151r3.zip) | Huawei | Efficient routing for communications between UE and non-3GPP device via residential gateway | Revised to S1-203365 | **e-Thread: [FS\_Resident-6]** |
| Cont | [S1-203365](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203365.zip) | Huawei | Efficient routing for communications between UE and non-3GPP device via residential gateway | Approved | ***e-Thread: [FS\_Resident-6]***  Revision of S1-203151.  Approved on Tuesday 1st. |
| Cont | [S1-203153](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203153r1.zip) | Huawei | Efficient routing for communications between UEs via residential gateway | Revised to S1-203366 | **e-Thread: [FS\_Resident-7]** |
| Cont | [S1-203366](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203366.zip) | Huawei | Efficient routing for communications between UEs via residential gateway | Approved | ***e-Thread: [FS\_Resident-7]***  Revision of S1-203153.  Approved on Tuesday 1st. |
| FS\_Resident output | | | | | |
| TR | [S1-203389](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203389.zip) | Rapporteur (KPN) | TR22.858 v0.1.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| 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: TR22.859 v0.0.0  Target completion date: SA#91 (03/2021)  Percentage completion: 0% | | | | **Details e-mail discussion:**  Moderator: Mark Younge  # e-threads: 8 | |
| **General** | | | | | |
| Cont | [S1-203059](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203059r01.zip) | vivo | FS\_PIN TR Skeleton TR 22.859 | Revised to S1-203283 | **e-Thread: [FS\_PIN-1]**  M. Comments: r1 ready to agree. |
| Cont | [S1-203283](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203283.zip) | vivo | FS\_PIN TR Skeleton TR 22.859 | Approved | ***e-Thread: [FS\_PIN-1]***  *M. Comments: r1 ready to agree.*  **Revision of S1-203059.** |
| Cont | [S1-203060](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203060r03.zip) | vivo | FS\_PIN TR 22.859 scope | Revised to S1-203367 | **e-Thread: [FS\_PIN-1]** |
| Cont | [S1-203367](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203367.zip) | vivo | FS\_PIN TR 22.859 scope | Revised to S1-203422 | ***e-Thread: [FS\_PIN-1]***  Revision of S1-203060.  Approved on Tuesday 1st. |
| Cont | [S1-203422](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203422.zip) | vivo | FS\_PIN TR 22.859 scope | Approved | ***e-Thread: [FS\_PIN-1]***  *Revision of S1-203060.*  *Approved on Tuesday 1st.*  Revision of S1-203367.  Add Intel support |
| **Use Cases** | | | | | |
| Cont | [S1-203061](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203061.zip) | vivo, Convida Wireless | Usecase - The tour guide | Noted | **e-Thread: [FS\_PIN-2]**  M. Comments: noted during e-discussion |
| Cont | [S1-203062](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203062r04.zip) | vivo Mobile Communication Co., Convida Wireless | Usecase - Home automation | Revised to S1-203368 | **e-Thread: [FS\_PIN-3]** |
| Cont | [S1-203368](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203368r01.zip) | vivo Mobile Communication Co., Convida Wireless | Usecase - Home automation | Revised to S1-203418 | ***e-Thread: [FS\_PIN-3]***  Revision of S1-203062. |
| Cont | [S1-203418](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203418.zip) | vivo Mobile Communication Co., Convida Wireless | Usecase - Home automation | Approved | ***e-Thread: [FS\_PIN-3]***  *Revision of S1-203062.*  **Revision of S1-203368.**  **3418=3368r1** |
| Cont | [S1-203163](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203163-r4.zip) | Intel | Use Case of UE accessing Services of PIN Devices at home | Revised to S1-203369 | **e-Thread: [FS\_PIN-3]** |
| Cont | [S1-203369](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203369-r1.zip) | Intel | Use Case of UE accessing Services of PIN Devices at home | Revised to S1-203419 | ***e-Thread: [FS\_PIN-3]***  Revision of S1-203163. |
| Cont | [S1-203419](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203419.zip) | Intel | Use Case of UE accessing Services of PIN Devices at home | Approved | ***e-Thread: [FS\_PIN-3]***  *Revision of S1-203163.*  **Revision of S1-203369.**  **3419=3369r1 + deleting**   [PSR-003] |
| Cont | [S1-203079](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203079.zip) | KPN. | FS\_PIN Use case Broadcast service discovery | Noted | **e-Thread: [FS\_PIN-4]**  Noted during e-discussion |
| Cont | [S1-203095](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203095r05.zip) | vivo | Positioning with AR and VR | Revised to S1-203370 | **e-Thread: [FS\_PIN-5]** |
| Cont | [S1-203370](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203370r01.zip) | vivo | Positioning with AR and VR | Revised to S1-203420 | ***e-Thread: [FS\_PIN-5]***  Revision of S1-203095**.** |
| Cont | [S1-203420](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203420.zip) | vivo | Positioning with AR and VR | Agreed | ***e-Thread: [FS\_PIN-5]***  *Revision of S1-203095****.***  **Revision of S1-203370.**  **3420=3370r1 + 5.x.6. deleting section and introducing** Editor’s note: T.B.D. |
| Cont | [S1-203113](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203113r03.zip) | vivo | Use case – The Media share within PINs | Revised to S1-203371 | **e-Thread: [FS\_PIN-6]** |
| Cont | [S1-203371](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203371.zip) | vivo | Use case – The Media share within PINs | Approved | ***e-Thread: [FS\_PIN-6]***  Revision of S1-203113.  Approved on Tuesday 1st. |
| Cont | [S1-203157](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203157.zip) | vivo | Use case – Games in PINs | Revised to S1-203160 |  |
| Cont | [S1-203160](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203160.zip) | vivo | Use case – Games in PINs | Noted | **e-Thread: [FS\_PIN-7]**  Revision of S1-203157.  M. Comments: noted during e-discussion |
| Cont | [S1-203248](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\inbox\S1-203248r03.zip) | vivo, Convida Wireless | PINS user case - The movie | Revised to S1-203372 | **e-Thread: [FS\_PIN-8]** |
| Cont | [S1-203372](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203372r02.zip) | vivo, Convida Wireless | PINS user case - The movie | Revised to S1-203421 | ***e-Thread: [FS\_PIN-8]***  Revision of S1-203248. |
| Cont | [S1-203421](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203421.zip) | vivo, Convida Wireless | PINS user case - The movie | Approved | ***e-Thread: [FS\_PIN-8]***  *Revision of S1-203248.*  **Revision of S1-203372.**  **3421=3371r02** |
| FS\_PIN output | | | | | |
| TR | [S1-203390](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203390.zip) | Rapporteur (vivo) | TR22.859 v0.1.0 to include agreements at this meeting | Agreed | Draft version by Thursday 3rd 13:00 UTC.  Comments till Sunday 6th 23:00 UTC  TR by Monday 7th 23:00 UTC |
| Other technical contributions | | | | | |
| Other non-technical contributions | | | | | |
| Work Item/Study Item progress | | | | | |
| Session information outputs | | | | | |
| Work Item/Study Item status update | | | | | |
| REP | [S1-203391](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203391.zip) | China Mobile | FS\_MMTELin5G – Status report | Noted |  |
| REP | [S1-203392](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203392.zip) | BDBOS | FS\_ SACI\_MCS – Status report | Noted |  |
| REP | [S1-203393](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203393.zip) | Hansung University | FS\_RAILSS – Status report | Withdrawn |  |
| REP | [S1-203394](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203394.zip) | OPPO | FS\_AMMT – Status report | Noted |  |
| REP | [S1-203395](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203395.zip) | THALES | FS\_5GET– Status report | Noted |  |
| REP | [S1-203396](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203396.zip) | LG Electronics | FS\_EASNS – Status report | Noted |  |
| REP | [S1-203397](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203397.zip) | UIC | FS\_OffNetRail – Status report | Noted |  |
| REP | [S1-203398](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203398.zip) | Nokia | FS\_5TRS – Status report | Noted |  |
| REP | [S1-203399](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203399.zip) | China Telecom | FS\_5GSEI – Status report | Noted |  |
| REP | [S1-203400](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203400.zip) | Xiaomi | FS\_Ranging – Status report | Noted |  |
| REP | [S1-203401](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203401.zip) | KPN | FS\_Resident – Status report | Noted |  |
| REP | [S1-203402](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\Agendas\docs\S1-203402.zip) | vivo | FS\_PIN – Status report | Noted |  |
| REP | [S1-203403](D:\\3GPP_SA1\\TSGS1_91e_ElectronicMeeting\\Agendas\\docs\\S1-203403.zip) | Qualcomm | FS\_PALS – Status report | Noted |  |
| REP | [S1-203404](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203404.zip) | Qualcomm | FS\_VMR – Status report | Noted |  |
| REP | [S1-203405](file:///D:\3GPP_SA1\TSGS1_91e_ElectronicMeeting\docs\S1-203405.zip) | NTT Docomo | SNA – Status report | Noted |  |
| Next meetings | | | | | |
| Calendar | | | | | |
| **2020 meetings:**  SA1#92e 9-18 Nov 2020 e-meeting  **2021 meetings:**  SA1#92e\_adhoc 11-20 Jan 2021 e-meeting  SA1#93 1-5 Mar 2021 Kyoto, Japan  SA1#94 17-21 May 2021 Wroclaw, Poland  SA1#95 23-27 Aug 2021 TBD, China | | | | | |
| Any other business | | | | | |
| Close | | | | | |
| Close latest by 15:00 UTC on Wednesday 2 September 2021 | | | | | |