3GPP TSG-SA WG1 Meeting #92e S1-204002

Electronic Meeting, 10-19 November 2020

Title: 2nd Draft Agenda for SA1#92e

Ag. Item: 1.1

Source: SA1 Chairman

Contact: Jose Almodovar

Submission Guidelines

* **Submission deadlines:**
  + **Tdoc number** and **CR number** requests: **Tuesday,** 3 November 2020, 23:00 UTC
  + Document **submission**: **Tuesday**, 3 November 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#92e)
* Please use the document templates available at <https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_92e_ElectronicMeeting/templates>
* For CRs:
  + **TEI16 CRs will only be accepted if there is no impact to Stage 2 or Stage 3 or for alignment purposes**
  + **CRs** **MUST have a CR number** allocated by the secretary BEFORE being submitted
  + **CRs MUST have a Work Item code**, and the WI code must be valid for the specific release (i.e. Rel-14 CR with Rel-13 WI is not permitted)
  + Work Item Codes for the CRs are available at <http://www.3gpp.org/ftp/Specs/html-info/FeatureListFrameSet.htm>
  + SA1-specific WI codes are available at <http://www.3gpp.org/ftp/Specs/html-info/TSG-WG--s1--wis.htm>

**LEGEND**

**Doc Type**: AGE (Agenda), CC (Incoming Liaison Statement Copied to SA1), Cont (Contribution), CR (Change request), , LS OUT(Outgoing Liaison Statement), REP (Report), SID(Study Item Description), TO (Incoming Liaison Statement To SA1), TR (Technical Report), TS (Technical Specification), 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**Conclusion**: Agreed, Approved, Revised to S1-16xxxx, Noted, Withdrawn, Moved to section xxx, Rejected, Postponed, Email Approval, Not Handled, Unallocated, Drafting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| CR | S1-19xxxx | Source | Title | Withdrawn |  |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 |  |

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| Opening of the meeting | | | | | | |
| Opening of the meeting at 23:00 on Monday 9 November 2020 | | | | | | |
| Agenda and scheduling | | | | | | |
| AGE | [S1-204000](Docs/S1-204000.zip) | SA1 Chairman | Draft agenda for SA1#92e | Revised to S1-204001 |  |
| AGE | [S1-204001](Docs/S1-204001.zip) | SA1 Chairman | 2nd Draft agenda for SA1#92e | Revised to S1-204002 |  |
| AGE | [S1-204002](docs\S1-204002.zip) | SA1 Chairman | Agenda for SA1#92e with tdoc allocation | Agreed | Revision of S1-204001. |
| IPR, antitrust and competition laws | | | | | | |
|  | | **IPR call reminder**  I draw your attention to your obligations under the 3GPP Partner Organizations’ IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.  Delegates are asked to take note that they are thereby invited:   * to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP. * to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms.   **Antitrust policy Reminder**  I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this WG meeting including the Chairman and Vice Chairman. In case of question I recommend that you contact your legal counsel.  The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.  Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG meetings is important to allow for full and fair consideration of such matters. | | |  |
| Previous SA1 meeting report | | | | | | |
| The report of the last meeting will be approved at the start of the meeting. | | | | | | |
| REP | [S1-204004](Docs/S1-204004.zip) | ETSI | Draft minutes of SA1#91e | Revised to S1-204005 |  | |
| REP | [S1-204005](docs\S1-204005.zip) | ETSI | Draft minutes of SA1#91e | Agreed | Revision of S1-204004. | |
| 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 e-Thread: [SA1\_Reports] | | | | | | |
| REP | [S1-204003](Docs/S1-204003.zip) | SA1 chairman | SA1-related topics at SA#89e | Noted |  |
| WP | [S1-204006](Docs/S1-204006.zip) | MCC | Workplan presentation for SA1#92e | Noted |  |
| REP | [S1-204300](Docs/S1-204300.zip) | SA1 chairman | Guidelines SA1#92e | Noted |  |
| REP | [S1-204301](Docs/S1-204301.zip) | SA1 chairman | Slides Rel-18 proposals | Noted |  |
| Liaison Statements (including related contributions) | | | | | | |
| **High priority service exempt from release due to SOR e-Thread: [LS S1-204274]** | | | | | | |
| TO | [S1-204274](Docs/S1-204274.zip) | C1-204941 | LS on high priority service exempt from release due to SOR | Noted |  | |
| OUT | [S1-204079](Docs/S1-204079.zip) | Nokia, Nokia Shanghai Bell | Reply LS on high priority service exempt from release due to SOR | Noted |  | |
| CR | [S1-204080](Docs/S1-204080.zip) | Nokia, Nokia Shanghai Bell | CR 22.261v17.4.0 Clarification of high priority service for Steering of Roaming | Noted | *WI code* SMARTER\_Ph2 *Rel-17 CR0477R- Cat F*  *Wrong WI code.* | |
| OUT | [S1-204250](Docs/S1-204250.zip) | Qualcomm | Draft LS reply on services exempt from release due to SOR | Noted |  | |
| OUT | [S1-204266](Docs/S1-204266.zip) | NTT DOCOMO INC. | [DRAFT] Reply LS on high priority service exempt from release due to SOR | Agreed(\*) | Missing one CR to attach.  S1-204266r1 provided for approval day | |
| CR | [S1-204186](Docs/S1-204186.zip) | NTT DOCOMO | CR22.261v17.4.0 Clarification of a steering of roaming requirement | Agreed(\*) | *WI code* eCPSOR\_CON *Rel-17 CR0477R- Cat F*  S1-204186r7 provided for approval day | |
| CR | [S1-204187](Docs/S1-204187.zip) | NTT DOCOMO | CR22.261v18.0.0 Clarification of a steering of roaming requirement | Agreed(\*) | *WI code* eCPSOR\_CON *Rel-17 CR0477R- Cat A*  Orig. version provided for approval day  TO OPEN S1-204187r1 (o: chairman, Qualcomm) - Announce | |
| **New satellite radio access technologies for PLMN selection e-Thread: [LS S1-204275]** | | | | | | |
| TO | [S1-204275](Docs/S1-204275.zip) | C1-206507 | LS on New satellite radio access technologies for PLMN selection |  |  | |
| OUT | [S1-204218](Docs/S1-204218.zip) | TNO | Reply LS on New satellite radio access technologies for PLMN selection | Noted |  | |
| CR | [S1-204212](Docs/S1-204212.zip) | TNO, Thales | CR22.011v17.2.0 Addition of new Core Network RAT types for satellite access | Noted | *WI code* TEI17 *Rel-17 CR0317R- Cat C* | |
| OUT | [S1-204252](Docs/S1-204252.zip) | Qualcomm | Draft LS reply on Satellite RAT for PLMN-RAT selection |  | S1-204252r1 provided for approval day  TO OPEN S1-204252r2 (o: Thales, DT) | |
| Cont | [S1-204253](Docs/S1-204253.zip) | Qualcomm | Discussion on Satellite RAT for PLMN selection | Noted |  | |
| CR | [S1-204254](Docs/S1-204254.zip) | Qualcomm | CR 22.011v17.2.0 Satellite RAT indicator for PLMN selection | Agreed | *WI code* TEI17 *Rel-17 CR0477R- Cat F*  *Delete the “-“.*  Orig. version provided for approval day | |
| **MuDe functionality e-Thread: [LS S1-204276]** | | | | | | |
| TO | [S1-204276](Docs/S1-204276.zip) | C1-206625 | LS on MuDe functionality | Noted |  | |
| OUT | [S1-204070](Docs/S1-204070.zip) | Vivo | Reply LS on MuDe functionality | Agreed(\*) | S1-204070r1 provided for approval day | |
| CR | [S1-204071](Docs/S1-204071.zip) | Vivo | CR 22.173v17.1.0 Clarification on MuDE activation / deactivation | Revised to S1-204328 | *WI code MuDE Rel-17 CR0131R- Cat F* | |
| CR | [S1-204328](Docs/S1-204328.zip) | Vivo | CR 22.173v17.1.0 Clarification on MuDE activation / deactivation | Agreed | *WI code MuDE Rel-17 CR0131R- Cat F*  Revision of S1-204071.  Same as *S1-204071r1* | |
| **MINT requirements e-Thread: [LS S1-204277]** | | | | | | |
| TO | [S1-204277](Docs/S1-204277.zip) | C1-206649 | LS on MINT requirements |  |  | |
| OUT | [S1-204028](Docs/S1-204028.zip) | LG Electronics | Reply LS on MINT requirements (C1-206649) | Noted |  | |
| OUT | [S1-204251](Docs/S1-204251.zip) | Qualcomm | Draft LS reply on MINT requirements | Revised to S1-204329 |  | |
| OUT | [S1-204329](Docs/S1-204329.zip) | Qualcomm | Draft LS reply on MINT requirements | Agreed | Revision of S1-204251.  Same as *S1-204251r1* | |
| **Use Cases for providing IMS services to SNPN e-Thread: [LS S1-204280]** | | | | | | |
| TO | [S1-204280](Docs/S1-204280.zip) | S2-2006029 | LS on Use Cases for providing IMS services to SNPN |  |  | |
| OUT | [S1-204008](Docs/S1-204008.zip) | Ericsson | [DRAFT] Reply LS on Use Cases for providing IMS services to SNPN |  | S1-204008r4 provided for approval day  TO OPEN S1-204008r5 | |
| OUT | [S1-204142](Docs/S1-204142.zip) | China Mobile | Reply LS on use cases for providing IMS services to SNPN | Noted |  | |
| OUT | [S1-204259](Docs/S1-204259.zip) | Qualcomm | Draft LS reply on providing IMS services to SNPN |  | S1-204259r2 provided for approval day  TO OPEN | |
| **Extending PLMN selection to include SNPN selection for UEs with a PLMN subscription e-Thread: [LS S1-204281]** | | | | | | |
| TO | [S1-204281](Docs/S1-204281.zip) | S2-2006030 | LS on extending PLMN selection to include SNPN selection for UEs with a PLMN subscription | Noted |  | |
| OUT | [S1-204073](Docs/S1-204073.zip) | Deutsche Telekom | Reply LS on extending PLMN selection to include SNPN selection for UEs with a PLMN subscription | Agreed (\*) | S1-204073r4 provided for approval day | |
| Cont | [S1-204072](Docs/S1-204072.zip) | Deutsche Telekom | Discussion paper on extending PLMN selection to include SNPN selection for UEs with a PLMN subscription | Noted |  | |
| CR | [S1-204029](Docs/S1-204029.zip) | LG Electronics | CR 22.011v17.20.0 Clarification on PLMN selection for non-public networks | Noted | *WI code TEI18 Rel-18 CR0316R- Cat F* | |
| OUT | [S1-204188](Docs/S1-204188.zip) | Ericsson | Reply LS on extending PLMN selection to include SNPN selection for UEs with a PLMN subscription | Noted |  | |
| OUT | [S1-204213](Docs/S1-204213.zip) | Intel | Reply LS on extending PLMN selection to include SNPN selection for UEs with a PLMN subscription | Noted |  | |
| CR | [S1-204214](Docs/S1-204214.zip) | Intel | CR 22.011v17.2.0 Clarification of network selection for PLMN or NPN | Noted | *WI code TEI17 Rel-17 CR0318R- Cat F* | |
| OUT | [S1-204256](Docs/S1-204256.zip) | Qualcomm | Draft LS reply on SNPN selection | Noted |  | |
| Cont | [S1-204257](Docs/S1-204257.zip) | Qualcomm | Considerations on SNPN selection for UEs with PLMN subscription | Noted |  | |
| CR | [S1-204258](Docs/S1-204258.zip) | Qualcomm | CR22.011v17.2.0 Requirements on SNPN selection for UEs with PLMN subscription | Noted | *WI code TEI17 Rel-17 CR032R- Cat*  *Delete the “-“.* | |
| **Credentials for SNPN service continuity e-Thread: [LS S1-204282]** | | | | | | |
| TO | [S1-204282](Docs/S1-204282.zip) | S2-2007828 | LS on credentials for SNPN service continuity | Postponed |  | |
| OUT | [S1-204069](Docs/S1-204069.zip) | Deutsche Telekom | Reply LS on credentials for SNPN service continuity | Noted |  | |
| Cont | [S1-204068](Docs/S1-204068.zip) | Deutsche Telekom | Discussion Paper on credentials for SNPN service continuity | Noted |  | |
| OUT | [S1-204146](Docs/S1-204146.zip) | China Mobile | Reply LS on credentials for SNPN service continuity | Noted |  | |
| OUT | [S1-204189](Docs/S1-204189.zip) | Ericsson | Reply LS on credentials for SNPN service continuity | Noted |  | |
| OUT | [S1-204215](Docs/S1-204215.zip) | Intel | Reply LS on credentials for SNPN service continuity | Noted |  | |
| CR | [S1-204216](Docs/S1-204216.zip) | Intel | CR 22.261v17.4.0 Clarification for credentials for SNPN service continuity | Revised to S1-204291 | *WI code TEI17 Rel-17 CR0491R- Cat F* | |
| CR | [S1-204291](Docs/S1-204291.zip) | Intel | CR 22.261v17.4.0 Clarification for credentials for SNPN service continuity | Noted | *WI code TEI17 Rel-17 CR0491R- Cat F*  Revision of S1-204216. | |
| **SNPN determination on the PLMN subscription e-Thread: [LS S1-204284]** | | | | | | |
| TO | [S1-204284](Docs/S1-204284.zip) | S2-2007959 | LS on SNPN determination on the PLMN subscription to use for PLMN selection | Noted |  | |
| OUT | [S1-204143](Docs/S1-204143.zip) | China Mobile | Reply LS on SNPN determination on the PLMN subscription | Noted |  | |
| CR | [S1-204144](Docs/S1-204144.zip) | China Mobile | CR22.261v17.4.0 Addition of NPN determination on the PLMN subscription | Noted | *WI code FS\_eNPN Rel-17 CR0485R-Cat F*  *Moved from 6.1* | |
| OUT | [S1-204180](Docs/S1-204180.zip) | Ericsson | Reply LS on SNPN determination on the PLMN subscription to use for PLMN | Noted |  | |
| OUT | [S1-204260](Docs/S1-204260.zip) | Qualcomm | Draft LS reply on SNPN subscription for PLMN selection | Revised to S1-204344 |  | |
| OUT | [S1-204344](Docs/S1-204344.zip) | Qualcomm | Draft LS reply on SNPN subscription for PLMN selection | Agreed | Revision of S1-204260. Delete word DRAFT and correct typo | |
| **LS on Clarification on problematic UAV e-Thread: [LS S1-204325]** | | | | | | |
| TO | [S1-204325](Docs/S1-204325.zip) | S6-202227 | LS on Clarification on problematic UAV |  |  | |
| OUT | [S1-204326](Docs/S1-204326.zip) | Qualcomm | Reply QC |  | S1-204326r4 provided for approval day  TO OPEN S1-204326r5 (o: Futerwei) | |
| OUT | [S1-204327](Docs/S1-204327.zip) | Samsung | Reply Samsung | Noted |  | |
| **Others e-Thread: [LS others]** | | | | | | |
| TO | [S1-204287](Docs/S1-204287.zip) | SP-200888 | LS on Rel-17 schedule | Noted |  | |
| TO | [S1-204285](Docs/S1-204285.zip) | S3-200625 | Clarifications on LI requirements applicable to FS\_PALS | Noted |  | |
| TO | [S1-204286](Docs/S1-204286.zip) | SP-200877 | Reply LS on request for information from IALA | Postponed |  | |
| CC | [S1-204289](Docs/S1-204289.zip) | GSMA ACJA | LS on Support of UAVs in 3GPP system and interfacing with USS/UTM | Noted |  | |
| TO | [S1-204032](Docs/S1-204032.zip) | UIC FRMCS Steering Committee | LS on FRMCS Evolution |  |  | |
| **Incoming LS proposed to be noted e-Thread: [LS CC]** | | | | | | |
| CC | [S1-204278](Docs/S1-204278.zip) | RP-202097 | Reply LS on 3GPP NR Rel-16 URLLC and IIoT performance evaluation | Noted |  | |
| CC | [S1-204279](Docs/S1-204279.zip) | S2-2005911 | Reply LS on human-readable network name (HRNN) | Noted |  | |
| CC | [S1-204283](Docs/S1-204283.zip) | S2-2007880 | LS on Use of Survival Time for Deterministic Applications in 5GS | Noted |  | |
| CC | [S1-204288](Docs/S1-204288.zip) | GSMA | LS response to TCCA on Public Safety | Noted |  | |
| OUT | [S1-204261](Docs/S1-204261.zip) | Qualcomm Incorporated | Draft LS reply on credentials for SNPN service continuity | Withdrawn |  | |
| New Study and Work Items (including related contributions) | | | | | | |
| **New SIDS** | | | | | | |
| Cont | [S1-204033](Docs/S1-204033.zip) | UIC | Motivation for Rel-18 SID proposal: study on FRMCS Evolution | Noted | **e-Thread: [NewSID - FS\_eFRMCS]** | |
| SID | [S1-204034](Docs/S1-204034.zip) | UIC | Study on FRMCS Evolution |  | **e-Thread: [NewSID - FS\_eFRMCS]**  S1-204034r2 provided for approval day  TO OPEN (o:Qualcomm) | |
| Cont | [S1-204112](Docs/S1-204112.zip) | China Mobile, Xiaomi | DP on tactile and multi-modality communication services in 5GS | Noted | **e-Thread: [NewSID - FS\_TMMin5GS]** | |
| SID | [S1-204114](Docs/S1-204114.zip) | China Mobile, Xiaomi | Study on supporting tactile and multi-modality communication services in 5GS | Agreed(\*) | **e-Thread: [NewSID - FS\_TMMin5GS]**  S1-204114r2 provided for approval day | |
| SID | [S1-204140](Docs/S1-204140.zip) | LG Electronics | Study on 5G System Support for Service-Oriented Robots with Human Interactions |  | **e-Thread: [NewSID - FS\_SOBOT]**  S1-204140r3 provided for approval day  TO OPEN (o:Nokia) | |
| Cont | [S1-204295](Docs/S1-204295.zip) | LG Electronics | Some examples for time bounded communication for FS\_SOBOT | Noted | **e-Thread: [NewSID - FS\_SOBOT]**  *New document* | |
| Cont | [S1-204141](Docs/S1-204141.zip) | LG Electronics | DP: References and Definitions regarding Robots and their operation | Noted | **e-Thread: [NewSID - FS\_SOBOT]** | |
| SID | [S1-204182](Docs/S1-204182.zip) | NTT DOCOMO | Study on Guidelines for Communication in Space | Noted | **e-Thread: [NewSID - FS\_Guide\_CS]** | |
| SID | [S1-204183](Docs/S1-204183.zip) | NTT DOCOMO | Study on Sustainable development via cyber physical system | Noted | **e-Thread: [NewSID - FS\_SDCPS]** | |
| SID | [S1-204184](Docs/S1-204184.zip) | NTT DOCOMO | Study on Cybernetic avatar | Noted | **e-Thread: [NewSID - FS\_CyberA]** | |
| Cont | [S1-204171](Docs/S1-204171.zip) | China Unicom | Discussion on Enhancing 5G System with NTN | Noted | **e-Thread: [NewSID - FS\_e5GNTN]** | |
| SID | [S1-204167](Docs/S1-204167.zip) | China Unicom | Study on enhancing 5G system with Non-terrestrial Network (NTN) |  | **e-Thread: [NewSID - FS\_e5GNTN]**  S1-204167r7 provided for approval day  TO OPEN S1-204167r9 (o: Qualcomm, LG, KPN) | |
| SID | [S1-204271](Docs/S1-204271.zip) | Hansung University | SID\_FS\_RAILSS update | Agreed(\*) | S1-204271r2 provided for approval day | |
| **New WIDS** | | | | | | |
| **WID: Usage and Accounting Information requirements for Shared E-UTRANNG-RAN e-Thread: [NewWID - UAI]** | | | | | | |
| WID | [S1-204042](Docs/S1-204042.zip) | China Unicom | WID-Usage and Accounting Information requirements for Shared E-UTRANNG-RAN | Revised to S1-204293 |  | |
| WID | [S1-204293](Docs/S1-204293.zip) | China Unicom | WID-Usage and Accounting Information requirements for Shared E-UTRANNG-RAN | Noted | Revision of S1-204042. | |
| CR | [S1-204041](Docs/S1-204041.zip) | China Unicom | CR22.101v17.3.0-Usage and Accounting Information requirements for Shared E-UTRANNG-RAN | Revised to S1-204292 | *WI code XXX Rel-18 CRXXXXR1Cat B* | |
| CR | [S1-204292](Docs/S1-204292.zip) | China Unicom | CR22.101v17.3.0-Usage and Accounting Information requirements for Shared E-UTRANNG-RAN | Noted | *WI code XXX Rel-18 CRXXXXR1Cat B*  Revision of S1-204041.  S1-204292r1 provided for approval day  TO OPEN (announced it was noted) | |
| Cont | [S1-204040](Docs/S1-204040.zip) | China Unicom | Discussion on Usage and Accounting Information requirements for Shared E-UTRANNG-RAN | Noted |  | |
| **WID: Inner Trustiness e-Thread: [NewWID -** IT**]** | | | | | | |
| WID | [S1-204044](Docs/S1-204044.zip) | China Unicom | New WID on Inner Trustiness |  | S1-204044r4 provided for approval day  TO OPEN | |
| CR | [S1-204043](Docs/S1-204043.zip) | China Unicom | CR of Addition of requirements on Inner Trustiness |  | S1-204043r5 provided for approval day  TO OPEN S1-204043r6 (o: KPN, Qualcomm, LG) | |
| Cont | [S1-204045](Docs/S1-204045.zip) | China Unicom | Discussion paper of Addition of requirements on Inner Trustiness Network Function | Noted | *WI code XXX Rel-18 CRXXXXR-Cat B* | |
| **WID: Mobile Indication for Network Information Of NPNs e-Thread: [NewWID - MINION]** | | | | | | |
| WID | [S1-204056](Docs/S1-204056.zip) | vivo Mobile Com. (Chongqing), Apple, Ericsson | New WID on Mobile Indication for Network Information Of NPNs |  | S1-204056r1 provided for approval day  TO OPEN | |
| CR | [S1-204191](Docs/S1-204191.zip) | Ericsson, Vivo Mobile Communications Co. LTD, Apple | CR22.261v18.0.0 Storing the human-readable network name in the UE |  | *WI code Dummy Rel-18 CR0490R-Cat B*  S1-204194r3 provided for approval day  TO OPEN | |
| CR | [S1-204160](Docs/S1-204160.zip) | Apple, Vivo | CR22.042v16.0.0 to 22.042 on Human-Readable Network Name for NPN via NITZ | Noted | *WI code Dummy Rel-18 CR0006R1Cat B*  *R1*  S1-204160r1 provided for approval day | |
| **WID: Support for Service Function Chaining in 5G System e-Thread: [NewWID -** **SFCin5GS]** | | | | | | |
| WID | [S1-204123](Docs/S1-204123.zip) | Intel Corporation, Deutsche Telekom AG, Tencent, Affirmed Network, AT&T, Sandvine, Convida Wireless, InterDigital, KPN, Verizon UK Ltd., KDDI, Vodafone, Telecom Italia, Cisco, b<>com, Spirent Communications, Matrixx | Work Item on Support for Service Function Chaining in 5G System |  | S1-204123r6 provided for approval day  TO OPEN | |
| CR | [S1-204124](Docs/S1-204124.zip) | Intel, Deutsche Telekom AG, Convida Wireless, KDDI, Matrixx | CR22.101v17.2.0 Service requirements for enabling SFC service support |  | *WI code Dummy Rel-18 CR0570R-Cat B*  S1-204124r3 provided for approval day  TO OPEN | |
| CR | [S1-204125](Docs/S1-204125.zip) | Intel, Deutsche Telekom AG, Convida Wireless, KDDI, Matrixx | CR22.61v18.0.0 Service requirements for enabling service function chaining support in 5GS |  | *WI code Dummy Rel-18 CR0478R-Cat B*  S1-204125r5 provided for approval day  TO OPEN | |
| CR | [S1-204126](Docs/S1-204126.zip) | Intel, Deutsche Telekom AG, Convida Wireless, KDDI, Matrixx | CR22.115v0105 Charging Service requirements for enabling SFC service support |  | *WI code Dummy Rel-18 CR0105R-Cat B*  S1-204126r2 provided for approval day | |
| **WID:5G system with satellite access by considering NF on Satellite and ISL e-Thread: [NewWID - 5GSSAT1]** | | | | | | |
| WID | [S1-204134](Docs/S1-204134.zip) | Xiaomi | New WID on 5G system with satellite access by considering NF on Satellite and ISL |  | S1-204134r1 provided for approval day  TO OPEN S1-204134r2 (o: Qualcomm, LG) | |
| CR | [S1-204135](Docs/S1-204135.zip) | Xiaomi | CR22.261v18.0.0 Update to KPIs for a 5G system with satellite access in the case gNB and CN components are on the satellite |  | *WI code Dummy Rel-18 CRXXXXR-Cat B*  S1-204135r2 provided for approval day  TO OPEN | |
| CR | [S1-204136](Docs/S1-204136.zip) | Xiaomi | CR22.261v18.0.Update to KPIs for a 5G system with satellite access in the case Inter Satellite Links are used |  | *WI code Dummy Rel-18 CRXXXXR-Cat B*  S1-204136r1 provided for approval day  TO OPEN | |
| **WID: enhancing 5G system with satellite backhaul e-Thread: [NewWID - e5GSATB]** | | | | | | |
| WID | [S1-204163](Docs/S1-204163.zip) | CATT, China Telecom | New WID on enhancing 5G system with satellite backhaul |  | S1-204163r4 provided for approval day  TO OPEN (o: LG) | |
| Cont | [S1-204161](Docs/S1-204161.zip) | CATT | Discussion on satellite backhaul | Noted |  | |
| CR | [S1-204164](Docs/S1-204164.zip) | CATT, China Telecom | CR22.261v18.00 Requirements for satellite backhaul |  | *WI code Dummy Rel-18 CR0486R-Cat B*  S1-204164r6 provided for approval day  TO OPEN S1-204164R7 (o: Qualcomm, LG) | |
| **WID: Adding energy efficiency related requirements for industrial IoT positioning scenarios e-Thread: [NewWID - EEHPP]** | | | | | | |
| WID | [S1-204168](Docs/S1-204168.zip) | Huawei | New WID on Energy Efficient High Precision Positioning for industrial IoT scenarios |  | S1-204168r5 provided for approval day  TO OPEN S1-204168r6 (o: Nokia, Sony) | |
| Cont | [S1-204166](Docs/S1-204166.zip) | Huawei | Discussion paper on Energy Efficient High Precision Positioning for industrial IoT | Noted |  | |
| CR | [S1-204169](Docs/S1-204169.zip) | Huawei | CR22.104v17.4.0 on adding energy efficiency related requirements for industrial IoT positioning scenarios |  | *WI code Dummy Rel-18 CR0060R-Cat B*  S1-204169r7 provided for approval day  TO OPEN S1-204169r8 (o: Nokia, Sony) | |
| **WID: User Privacy Consideration for Network Slicing e-Thread: [NewWID - UP\_NS]** | | | | | | |
| WID | [S1-204178](Docs/S1-204178.zip) | Apple | New WID on User Privacy Consideration for Network Slicing | Noted |  | |
| Cont | [S1-204177](Docs/S1-204177.zip) | Apple, KDDI | User Privacy Consideration for Network Slicing\_x00B\_ | Noted |  | |
| CR | [S1-204179](Docs/S1-204179.zip) | Apple, KDDI | CR22.261v18.0.0 Consideration of user privacy with network slicing | Noted | *WI code Dummy Rel-18 CR0487R-Cat B* | |
| **WID: PWS support for NPN e-Thread: [NewWID - NPN\_PWS]** | | | | | | |
| WID | [S1-204249](Docs/S1-204249.zip) | Qualcomm Incorporated | New WID: PWS support for NPN |  | S1-204249r1 provided for approval day  TO OPEN (o: Huawei, KPN) | |
| CR | [S1-204078](Docs/S1-204078.zip) | Nokia, Nokia Shanghai Bell, KPN, Vivo | CR22.268v16.4.0 Non public network support for PWS |  | *WI code TEI17 Rel-17 CR0067R-Cat F*  *Moved from 6.1*  S1-204078r4 provided for approval day  TO OPEN (o: Huawei) | |
| Quality improvement contributions Quality improvements to requirements in TRs or TSs are encouraged (pCRs or CRs). In order to allow delegates to provide quality improvement contributions for work/study items where they do not want to attend drafting sessions, contributions submitted to this agenda item are handled in plenary. | | | | | | |
| CR | [S1-204132](Docs/S1-204132.zip) | China Telecom | CR22.261v17.4.0 Quality improvement of TS 22.261 | Revised to S1-204303 | e**-Thread: [CR\_Quality]**  *WI code SMARTER\_Ph2* *CR0481R-Cat D*  *Wrong WI Code*  *Moved from 9* | |
| CR | [S1-204303](Docs/S1-204303.zip) | China Telecom | CR22.261v17.4.0 Quality improvement of TS 22.261 | Agreed | *e****-Thread: [CR\_Quality]***  *WI code TEI17 Rel-18 CR0482R1Cat D*  Revision of S1-204132. Same as 4132r3. | |
| CR | [S1-204133](Docs/S1-204133.zip) | China Telecom | CR22.261v18.0.0 Quality improvement of TS 22.261 | Revised to S1-204304 | **e-Thread: [CR\_Quality]**  *WI code SMARTER\_Ph2* *Rel-18 CR0482R-Cat D*  *Wrong WI Code. Should be Cat A?*  *Moved from 9* | |
| CR | [S1-204304](Docs/S1-204304.zip) | China Telecom | CR22.261v18.0.0 Quality improvement of TS 22.261 | Agreed | ***e-Thread: [CR\_Quality]***  *WI code TEI17 Rel-18 CR0482R1Cat A*  Revision of S1-204133. Same as 4133r3 | |
| Rel-17 and earlier contributions | | | | | | |
| CR | S1-204039 | BDBOS, Nokia | CR22.280v17.3.0 Add definition for “MCX Service System” to clause 3.1 | Moved to 6.1 | *WI code TEI17 Rel-17 CR0142R-Cat F*  To Move | |
| CR | S1-204078 | Nokia, Nokia Shanghai Bell, KPN, Vivo | CR22.268v16.4.0 Non public network support for PWS | Moved to 4 | *WI code TEI17 Rel-17 CR0067R-Cat F*  To Move | |
| Rel-17 correction and clarification CRs | | | | | | |
| CR | [S1-204039](Docs/S1-204039.zip) | BDBOS, Nokia | CR22.280v17.3.0 Add definition for “MCX Service System” to clause 3.1 | Noted | **e-Thread: [CR\_R17-1]**  *WI code TEI17 Rel-17 CR0142R- Cat F*  *Moved from 6.1* | |
| CR | [S1-204077](Docs/S1-204077.zip) | Perspecta Labs | CR22.153v17.1.0 Editorial Cleanup of MPS Phase 2 Additions | Agreed | **e-Thread: [CR\_R17-2]**  *WI code MPS2 Rel-17 CR0047R- Cat D* | |
| CR | [S1-204082](Docs/S1-204082.zip) | Perspecta Labs | CR22.156v17.1.0 Alignment of descriptive text with associated requirement for MPS invocation from a non-subscribed UE | Revised to S1-204305 | **e-Thread: [CR\_R17-2]**  *WI code MPS2 Rel-17 CR0048R- Cat F* | |
| CR | [S1-204305](Docs/S1-204305.zip) | Perspecta Labs | CR22.156v17.1.0 Alignment of descriptive text with associated requirement for MPS invocation from a non-subscribed UE | Agreed | ***e-Thread: [CR\_R17-2]***  *WI code MPS2 Rel-17 CR0048R- Cat F*  Revision of S1-204082. Same as 4082r1 | |
| CR | [S1-204115](Docs/S1-204115.zip) | China Mobile | CR22.104v17.4.0 Modify requirement to support enhancement for deterministic transport services | Noted | **e-Thread: [CR\_R17-3]**  *WI code eCAV Rel-17 CR00597R- Cat F* | |
| CR | [S1-204137](Docs/S1-204137.zip) | China Mobile | CR22.263v17.2.0 Support deterministic transport services in VIAPA | Noted | **e-Thread: [CR\_R17-3]**  *WI code AVPROD Rel-17 CR0011R- Cat F* | |
| CR | [S1-204130](Docs/S1-204130.zip) | China Telecom | CR22.261v17.4.0 Correction of Access Identities Table in clause 6.22.2.2 | Revised to S1-204306 | **e-Thread: [CR\_R17-4]**  *WI code* SMARTER\_Ph2 *Rel-17 CR0479R- Cat F*  *WI-code?* | |
| CR | [S1-204306](Docs/S1-204306.zip) | China Telecom | CR22.261v17.4.0 Correction of Access Identities Table in clause 6.22.2.2 | Agreed | ***e-Thread: [CR\_R17-4]***  *WI code TEI17 Rel-17 CR0479R1Cat F*  Revision of S1-204130 where WICode will be change to TEI17 and revision counter will be upgraded to 1. | |
| CR | [S1-204131](Docs/S1-204131.zip) | China Telecom | CR22.261v18.0.0 Correction of Access Identities Table in clause 6.22.2.2 | Revised to S1-204307 | **e-Thread: [CR\_R17-4]**  *WI code Smarter\_Ph2 Rel-18 CR0480R -Cat F*  *Why not Rel-17 and mirror? WI-code?* | |
| CR | [S1-204307](Docs/S1-204307.zip) | China Telecom | CR22.261v18.0.0 Correction of Access Identities Table in clause 6.22.2.2 | Agreed | ***e-Thread: [CR\_R17-4]***  *WI code TEI17 Rel-18 CR0480R1 Cat A*  Revision of S1-204131 where WICode will be change to TEI17, category should be A and revision counter will be upgraded to 1. | |
| CR | [S1-204192](Docs/S1-204192.zip) | Ericsson | CR22.263v17.2.0 Update and clarification of UE reconnection time | Agreed | **e-Thread: [CR\_R17-6]**  *WI code AVPROD Rel-17 CR0012R- Cat F* | |
| CR | [S1-204225](Docs/S1-204225.zip) | BDBOS, FirstNet, Police of the Netherlands | CR22.280v17.3.0 Enhancement to MCX User request queue operation | Revised to S1-204308 | **e-Thread: [CR\_R17-7]**  *WI code TEI17 Rel-17 CR0143R0 Cat B* | |
| CR | [S1-204308](Docs/S1-204308.zip) | BDBOS, FirstNet, Police of the Netherlands | CR22.280v17.3.0 Enhancement to MCX User request queue operation | Agreed | ***e-Thread: [CR\_R17-7]***  *WI code TEI17 Rel-17 CR0143R1 Cat B*  Revision of S1-204225. Same as S1-204225r1. | |
| CR | [S1-204273](Docs/S1-204273.zip) | LG Electronics | CR22.011v17.2.0 R17 CR to TS22.011 Requirement Alignment related to PLMN reselection | Revised to S1-204309 | **e-Thread: [CR\_R17-8]**  *WI code TEI17 Rel-17 CR0321R- Cat F*  *No track changes on cover page.* | |
| CR | [S1-204309](Docs/S1-204309.zip) | LG Electronics | CR22.011v17.2.0 R17 CR to TS22.011 Requirement Alignment related to PLMN reselection | Agreed | ***e-Thread: [CR\_R17-8]***  *WI code TEI17 Rel-17 CR0321R- Cat F*  *Revision of S1-204273 where the cover page will have no track changes.* | |
| CR | [S1-204055](Docs/S1-204055.zip) | Nokia, Nokia Shanghai Bell | CR22.261v17.4.0 Clarification of “High accuracy positioning” power consumption requirement | Noted | **e-Thread: [CR\_R17-9]**  *WI code TEI17 Rel-17 CR0475R- Cat D*  *Moved from 8*  Orig. version provided for approval day  TO OPEN (Announced it was noted in thread NewWID – EEHPP) | |
| CR | [S1-204076](Docs/S1-204076.zip) | Nokia, Nokia Shanghai Bell | CR22.261v18.0.0 Quality improvement: Clarification of “High accuracy positioning” power consumption requirement | Noted | **e-Thread: [CR\_R17-9]**  *WI code TEI17 Rel-18 CR0476R- Cat A*  *Moved from 8*  Orig. version provided for approval day  TO OPEN (Announced it was noted in thread NewWID – EEHPP) | |
| CR | [S1-204144](Docs/S1-204144.zip) | China Mobile | CR22.261v17.4.0 Addition of NPN determination on the PLMN subscription | Moved to 3 | *WI code FS\_eNPN Rel-17 CR0485R- Cat F* | |
| 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 | [S1-204024](Docs/S1-204024.zip) | LG Electronics | CR22.278v16.2.0 R16 TS22.278 Relay Alignment | Revised to S1-204272 | **e-Thread: [CR\_R16-1]**  *WI code REAR Rel-16 CR0279R-Cat F*  Moved from 7.13  Revised into **20472**  *No track changes on cover page.* | |
| CR | [S1-204272](Docs/S1-204272.zip) | LG Electronics | CR22.278v16.2.0 R16 TS22.278 Relay Alignment | Noted | **e-Thread: [CR\_R16-1]**  *WI code REAR Rel-16 CR0279R-Cat F*  *No track changes on cover page.*  **Revision of S1-204024.**  Orig. version provided for approval day  TO OPEN (o: Nokia, KPN) it was propose to note. | |
| Rel-16 and earlier CRs (other than alignment) | | | | | | |
| Rel18 contributions | | | | | | |
| MMTELin5G | | | | | | |
| FS\_MMTELin5G: Study on evolution of IMS multimedia telephony service [[SP-190836](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1047354)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Yan Di (China Mobile)  Latest version: TR22.873 v0.3.0  Target completion date: SA#91 (03/2021)  Percentage completion: 15% | | | | **Details e-mail discussion** :  **Details e-mail discussion** :  Moderator :Toon Norp  # e-threads: 6  Block B | | |
| **Existing Use Cases cont.** | | | | | | |
| Cont | [S1-204116](Docs/S1-204116.zip) | China Mobile | FS\_MMTELin5G Add requirements to use case on Conference call with AR holography | Approved(\*) | **e-Thread: [FS\_MMTELin5G-1]**  S1-204116r7 provided for approval day | |
| **New Use Cases** | | | | | | |
| Cont | [S1-204117](Docs/S1-204117.zip) | China Mobile | FS\_MMTELin5G Use case on AR call |  | **e-Thread: [FS\_MMTELin5G-2]**  S1-204117r3 provided for approval day  TO OPEN S1-204117r3 (o:Qualcomm) | |
| Cont | [S1-204207](Docs/S1-204207.zip) | Huawei | Use case on Multimedia CLIP and COLP | Noted | **e-Thread: [FS\_MMTELin5G-3]**  S1-204207r3 provided for approval day  TO OPEN (Announce it) | |
| Cont | [S1-204208](Docs/S1-204208.zip) | Huawei | Use case on real-time visual interactive menu during a call | Noted | **e-Thread: [FS\_MMTELin5G-4]**  S1-204208r3 provided for approval day  TO OPEN (Announce it) | |
| Cont | [S1-204209](Docs/S1-204209.zip) | Huawei | Use case on real-time screen sharing during a call | Approved(\*) | **e-Thread: [FS\_MMTELin5G-5]**  S1-204209r2 provided for approval day | |
| **Others** | | | | | | |
| Cont | [S1-204118](Docs/S1-204118.zip) | China Mobile | FS\_MMTELin5G Consolidated potential requirements | Noted | **e-Thread: [FS\_MMTELin5G-6]** | |
| Cont | [S1-204119](Docs/S1-204119.zip) | China Mobile | FS\_MMTELin5G TR Overview | Withdrawn | **e-Thread: [FS\_MMTELin5G-6]** | |
| FS\_MMTELin5G output | | | | | | |
| TR | [S1-204350](Docs/S1-204350.zip) | Rapporteur (China Mobile) | TR22.873 v.0.4.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 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: TR22.881v0.3.0  Target completion date: SA#91 (06/2021)  Percentage completion: 20% | | | |  | | |
| 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: TR22.890v0.2.0  Target completion date: SA#91 (03/2021)  Percentage completion : 5% | | | | **Details e-mail discussion** :  Moderator :Toon Norp  # e-threads: 2  Block A | | |
| Cont | [S1-204262](Docs/S1-204262.zip) | Hansung University | Emergency use case of smart station - fire in station |  | **e-Thread: [FS\_RAILSS-1]**  S1-204262 provided for approval day  TO OPEN (o:Qualcomm) | |
| Cont | [S1-204270](Docs/S1-204270.zip) | Hansung University | Use cases of smart station in FRMCS | Noted | **e-Thread: [FS\_RAILSS-2]** | |
| FS\_RAILSS output | | | | | | |
| TR | [S1-204351](Docs/S1-204351.zip) | Rapporteur (Hansung University) | TR22.890 v.0.3.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 23:00 UTC | |
| 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 v0.1.0  Target completion date: SA#91 (03/2021)  Percentage completion: 40% | | | | **Details e-mail discussion** :  **Details e-mail discussion** :  Moderator :Greg Schumacher  # e-threads: 17  Block B | | |
| **Existing Use Cases cont.** | | | | | | |
| Cont | [S1-204009](Docs/S1-204009.zip) | InterDigital, OPPO | FS\_AMMT – Including device-to-device aspects in the use case for Split Image Recognition |  | **e-Thread: [****FS\_AMMT-1]**  S1-204009r4 provided for approval day  TO OPEN S1-204009r5 (o:Nokia, DT) | |
| Cont | [S1-204152](Docs/S1-204152.zip) | OPPO | Updates to AMMT use case – Split image recognition | Approved(\*) | **e-Thread: [FS\_AMMT-1]**  S1-204152r2 provided for approval day | |
| Cont | [S1-204013](Docs/S1-204013.zip) | InterDigital | FS\_AMMT – Removal of Editor’s Notes on other DNN models for the use-case on real time media editing with on-board AI inference | Approved(\*) | **e-Thread: [FS\_AMMT-2]**  S1-204013r2 provided for approval day | |
| Cont | [S1-204014](Docs/S1-204014.zip) | InterDigital | FS\_AMMT – Updating of existing features related with the use-case on real time media editing with on-board AI inference | Approved | **e-Thread: [FS\_AMMT-2]** | |
| Cont | [S1-204015](Docs/S1-204015.zip) | InterDigital | FS\_AMMT – Updating of new requirements and KPIs for the use-case on real time media editing with on-board AI inference |  | **e-Thread: [FS\_AMMT-2]**  S1-204015r2 provided for approval day  TO OPEN: S1-204015r3 (o:Nokia) | |
| Cont | [S1-204113](Docs/S1-204113.zip) | LG Electronics Inc. | Update for Data Transfer Disturbance in Multi-agent multi-device ML |  | **e-Thread:** **[FS\_AMMT-3]**  S1-204113r4 provided for approval day  TO OPEN S1-204113r5 (o:Nokia) | |
| Cont | [S1-204153](Docs/S1-204153.zip) | OPPO | Updates to AMMT use case – Split robot control use case | Revised to S1-204339 | **e-Thread: [FS\_AMMT-4]** | |
| Cont | [S1-204339](Docs/S1-204339.zip) | OPPO | Updates to AMMT use case – Split robot control use case | Approved | ***e-Thread: [FS\_AMMT-4]***  Revision of S1-204153. Same as 4153r1 | |
| Cont | [S1-204154](Docs/S1-204154.zip) | OPPO | Updates to AMMT use case – AI/ML model downloading for image recognition | Approved(\*) | **e-Thread: [FS\_AMMT-5]**  S1-204154r7 provided for approval day | |
| Cont | [S1-204155](Docs/S1-204155.zip) | OPPO | Updates to AMMT use case – AI/ML model downloading for speech recognition | Approved(\*) | **e-Thread: [FS\_AMMT-6]**  S1-204155r1 provided for approval day | |
| Cont | [S1-204156](Docs/S1-204156.zip) | OPPO | Updates to AMMT use case – Federated Learning for image recognition |  | **e-Thread: [FS\_AMMT-7]**  S1-204156r2 provided for approval day  TO OPEN S1-204156r3 (o: Nokia) | |
| Cont | [S1-204245](Docs/S1-204245.zip) | Qualcomm | Update of Use case on enhanced media recognition |  | **e-Thread: [FS\_AMMT-8]**  S1-204245r1 provided for approval day  TO OPEN S1-204245r2 (o: Nokia) | |
| Cont | [S1-204246](Docs/S1-204246.zip) | Qualcomm | Update of Use case on media quality enhancement |  | **e-Thread: [FS\_AMMT-9]**  S1-204246r1 provided for approval day  TO OPEN: S1-204246r2 (o:Nokia) | |
| Cont | [S1-204159](Docs/S1-204159.zip) | OPPO | Update to Session-specific model transfer split computation decision operation |  | **e-Thread: [FS\_AMMT-10]**  S1-204159r5 provided for approval day  TO OPEN S1-204159r6 (o: Samsung, Nokia) | |
| Cont | [S1-204048](Docs/S1-204048.zip) | Samsung | FS\_AMMT: Update of Session-specific model transfer split computation operations | Merge into 4159r2 | **e-Thread: [FS\_AMMT-10]**  S1-204048r1 provided for approval day  TO OPEN (Announce it) | |
| **New Use Cases** | | | | | | |
| Cont | [S1-204012](Docs/S1-204012.zip) | InterDigital | FS\_AMMT – New use-case on local AI/ML model split on factory robots |  | **e-Thread: [FS\_AMMT-11]**  S1-204012r5 provided for approval day  TO OPEN S1-204012r6 (o: DT) | |
| Cont | [S1-204031](Docs/S1-204031.zip) | China Telecommunications | Use Case of AI Model Management as a Service |  | **e-Thread: [FS\_AMMT-12]**  S1-204031r6 provided for approval day  TO OPEN S1-204031r7 (o:Nokia) | |
| Cont | [S1-204046](Docs/S1-204046.zip) | Samsung | FS\_AMMT: Flocking Use Case | Approved(\*) | **e-Thread: [FS\_AMMT-13]**  S1-204046r9 provided for approval day | |
| Cont | [S1-204047](Docs/S1-204047.zip) | Samsung | FS\_AMMT: Data Set Compression Service Enabler for DNN Applications Use Case | Noted | **e-Thread: [FS\_AMMT-14]** | |
| Cont | [S1-204158](Docs/S1-204158.zip) | OPPO | New use case - Federated learning under network organization | Merge into 4046 | **e-Thread: [FS\_AMMT-15]** | |
| Cont | [S1-204247](Docs/S1-204247.zip) | Qualcomm | New Use case: Intelligent automotive system |  | **e-Thread: [FS\_AMMT-16]**  S1-204247r2 provided for approval day  TO OPEN (o: Nokia) | |
| **Others** | | | | | | |
| Cont | [S1-204248](Docs/S1-204248.zip) | Qualcomm | Discussion on data models for KPI consolidation | Noted | **e-Thread: [FS\_AMMT-17]** | |
| FS\_AMMT output | | | | | | |
| TR | [S1-204352](Docs/S1-204352.zip) | Rapporteur (OPPO) | TR22.874 v0.2.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 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: TR22.926 v0.1.0  Target completion date: SA#91 (03/2021)  Percentage completion: 20% | | | | **Details e-mail discussion**:  Moderator: Mona Mustapha  # e-threads: 7  Block A | | |
| Cont | [S1-204193](Docs/S1-204193.zip) | Samsung | FS\_5GET: Regulations at borders | Approved(\*) | **e-Thread: [FS\_ 5GET-1]**  S1-204193r3 provided for approval day | |
| Cont | [S1-204194](Docs/S1-204194.zip) | Samsung | FS\_5GET: Extra-territorial Data Retention Considerations | Revised to S1-204323 | **e-Thread: [FS\_ 5GET-2]** | |
| Cont | [S1-204323](Docs/S1-204323.zip) | Samsung | FS\_5GET: Extra-territorial Data Retention Considerations | Approved | ***e-Thread: [FS\_ 5GET-2]***  Revision of S1-204194.  Same as 4194r1. No comments in e-meet list by Friday 13th 23:00 UTC | |
| Cont | [S1-204197](Docs/S1-204197.zip) | TNO, Thales | FS\_GET Feature affected by Extraterritoriality - PWS | Approved(\*) | **e-Thread: [FS\_ 5GET-3]**  S1-204197r3 provided for approval day | |
| Cont | [S1-204205](Docs/S1-204205.zip) | TNO, Thales | FS\_GET Feature affected by Extraterritoriality – Network Access | Revised to S1-204324 | **e-Thread: [FS\_ 5GET-4]** | |
| Cont | [S1-204324](Docs/S1-204324.zip) | TNO, Thales | FS\_GET Feature affected by Extraterritoriality – Network Access | Approved | ***e-Thread: [FS\_ 5GET-4]***  Revision of S1-204205.  Same as 4205r1. No comments in e-meet list by Friday 13th 23:00 UTC | |
| Cont | [S1-204210](Docs/S1-204210.zip) | TNO, Thales | FS\_GET Feature affected by Extraterritoriality – Charging and Billing | Approved | **e-Thread: [FS\_ 5GET-5]**  No comments in e-meet list by Friday 13th 23:00 UTC | |
| Cont | [S1-204224](Docs/S1-204224.zip) | TNO, Thales | FS\_GET Feature affected by Extraterritoriality – Emergency calls | Approved(\*) | **e-Thread: [FS\_ 5GET-6]**  S1-204224r1 provided for approval day | |
| Cont | [S1-204228](Docs/S1-204228.zip) | TNO, Thales | FS\_GET Feature affected by Extraterritoriality – lawful intercept | Approved(\*) | **e-Thread: [FS\_ 5GET-7]**  S1-204228r1 provided for approval day | |
| FS\_ 5GET output | | | | | | |
| TR | [S1-204353](Docs/S1-204353.zip) | Rapporteur (THALES) | TR22.926 v0.2.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 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: TR22.835v0.1.0  Target completion date: SA#91 (03/2021)  Percentage completion: 20% | | | | **Details e-mail discussion**:  Moderator: Mark Younge  # e-threads: 18  Block A | | |
| **Existing Use Cases cont.** | | | | | | |
| Cont | [S1-204016](Docs/S1-204016.zip) | LG Electronics | Update of section 5.1 | Approved(\*) | **e-Thread: [FS\_EASNS-1]**  S1-204016r2 provided for approval day | |
| Cont | [S1-204111](Docs/S1-204111.zip) | Huawei, CMCC, Tencent | Update service scenario for disjoint network slices | Approved(\*) | **e-Thread: [FS\_EASNS-2]**  S1-204111r3 provided for approval day. | |
| Cont | [S1-204128](Docs/S1-204128.zip) | Intel | Clarification for use case 5.3 for disjoint network slices | Merge into  S1-204111r1 | **e-Thread: [FS\_EASNS-2]** | |
| Cont | [S1-204086](Docs/S1-204086.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS: Use case on access to network slices when roaming clarification | Revised to S1-204310 | **e-Thread: [FS\_EASNS-3]** | |
| Cont | [S1-204310](Docs/S1-204310.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS: Use case on access to network slices when roaming clarification | Approved | ***e-Thread: [FS\_EASNS-3]***  **Revision of S1-204086.**  Same as 4086r2 + fixing typos | |
| Cont | [S1-204129](Docs/S1-204129.zip) | Intel | Clarification of Use case 5.5 on access to slices when roaming | Noted | **e-Thread: [FS\_EASNS-3]** | |
| Cont | [S1-204107](Docs/S1-204107.zip) | Huawei, CMCC | Discussion on mobility handling scenario for a network slice | Noted | **e-Thread: [FS\_EASNS-4]** | |
| Cont | [S1-204108](Docs/S1-204108.zip) | Huawei, CMCC | Update mobility handling scenario for a network slice | Revised to S1-204311 | **e-Thread: [FS\_EASNS-4]** | |
| Cont | [S1-204311](Docs/S1-204311.zip) | Huawei, CMCC | Update mobility handling scenario for a network slice | Approved | ***e-Thread: [FS\_EASNS-4]***  **Revision of S1-204108.**  Same as 4108r1. | |
| Cont | [S1-204103](Docs/S1-204103.zip) | Huawei, CMCC | Discussion on initial access scenario for a network slice | Noted | **e-Thread: [FS\_EASNS-5]** | |
| Cont | [S1-204106](Docs/S1-204106.zip) | Huawei, CMCC | Update initial access scenario for a network slice service | Revised to S1-204312 | **e-Thread: [FS\_EASNS-5]** | |
| Cont | [S1-204312](Docs/S1-204312.zip) | Huawei, CMCC | Update initial access scenario for a network slice service | Approved | ***e-Thread: [FS\_EASNS-5]***  **Revision of S1-204106.**  Same as 4106r1. | |
| Cont | [S1-204030](Docs/S1-204030.zip) | Tencent, China Unicom | Update to Use Case 5.7 for FS\_EANS | Approved(\*) | **e-Thread: [FS\_EASNS-6]**  S1-204030r2 provided for approval day | |
| Cont | [S1-204088](Docs/S1-204088.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS: Simultaneous access to multiple slices on different VPLMNs clarification | Approved(\*) | **e-Thread: [FS\_EASNS-7]**  Orig. version goes for approval day | |
| Cont | [S1-204162](Docs/S1-204162.zip) | Apple | FS\_EASNS: Clarification on PLMN selection in service flow | Revised to S1-204313 | **e-Thread: [FS\_EASNS-8]** | |
| Cont | [S1-204313](Docs/S1-204313.zip) | Apple | FS\_EASNS: Clarification on PLMN selection in service flow | Approved | ***e-Thread: [FS\_EASNS-8]***  **Revision of S1-204162.**  Same as 4162r1 | |
| Cont | [S1-204195](Docs/S1-204195.zip) | ETRI | Update of use case 5.4 for using Multi-RATs for network slices | Revised to S1-204314 | **e-Thread: [FS\_EASNS-9]** | |
| Cont | [S1-204314](Docs/S1-204314.zip) | ETRI | Update of use case 5.4 for using Multi-RATs for network slices | Approved | ***e-Thread: [FS\_EASNS-9]***  **Revision of S1-204195.**  Same as 4195r1 | |
| **Existing Use Cases cont.** | | | | | | |
| Cont | [S1-204087](Docs/S1-204087.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS: Use case for application-based preference and its associated network slice for cell (re-)selection. | Approved(\*) | **e-Thread: [FS\_EASNS-10]**  S1-204087r3 provided for approval day | |
| Cont | [S1-204017](Docs/S1-204017.zip) | LG Electronics | Regionally different resources for network slice | Revised to S1-204315 | **e-Thread: [FS\_EASNS-11]** | |
| Cont | [S1-204315](Docs/S1-204315.zip) | LG Electronics | Regionally different resources for network slice | Approved | ***e-Thread: [FS\_EASNS-11]***  **Revision of S1-204017.**  Same as 4017r2 | |
| Cont | [S1-204018](Docs/S1-204018.zip) | LG Electronics | Isolation of resource for network slice | Approved(\*) | **e-Thread: [FS\_EASNS-12]**  Orig. version goes for approval day | |
| Cont | [S1-204019](Docs/S1-204019.zip) | LG Electronics | Consideration for different type of frequency | Revised to S1-204316 | **e-Thread: [FS\_EASNS-13]** | |
| Cont | [S1-204316](Docs/S1-204316.zip) | LG Electronics | Consideration for different type of frequency | Approved | ***e-Thread: [FS\_EASNS-13]***  **Revision of S1-204019.**  Same as 4019r1 | |
| Cont | [S1-204020](Docs/S1-204020.zip) | LG Electronics | Relaying and backhauling data for nework slice | Noted | **e-Thread: [FS\_EASNS-14]** | |
| Cont | [S1-204021](Docs/S1-204021.zip) | LG Electronics | Interaction with Third party for network slice | Revised to S1-204317 | **e-Thread: [FS\_EASNS-15]** | |
| Cont | [S1-204317](Docs/S1-204317.zip) | LG Electronics | Interaction with Third party for network slice | Approved | ***e-Thread: [FS\_EASNS-15]***  **Revision of S1-204021.**  Same as 4021r3 | |
| Cont | [S1-204022](Docs/S1-204022.zip) | LG Electronics | Multicast Broadcast for network slice | Revised to S1-204318 | **e-Thread: [FS\_EASNS-16]** | |
| Cont | [S1-204318](Docs/S1-204318.zip) | LG Electronics | Multicast Broadcast for network slice | Approved | ***e-Thread: [FS\_EASNS-16]***  **Revision of S1-204022.**  Same as 4022r4 | |
| Cont | [S1-204023](Docs/S1-204023.zip) | LG Electronics | Congestion and Maintenance Handling for network slice |  | **e-Thread: [FS\_EASNS-17]**  S1-204023r2 provided for approval day  TO OPEN S1-204023r3 (o: Nokia, Qualcomm) | |
| Cont | [S1-204185](Docs/S1-204185.zip) | NTT DOCOMO | FS\_EASNS new use case: Slice access with the network updating UE's configuration | Noted | **e-Thread: [FS\_EASNS-18]**  S1-204085r1 provided for approval day | |
| FS\_EASNS output | | | | | | |
| TR | [S1-204354](Docs/S1-204354.zip) | Rapporteur (LG Electronics) | TR22.835 v0.2.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 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 v0.1.0  Target completion date: SA#91 (06/2021)  Percentage completion: 10% | | | | **Details e-mail discussion**:  Moderator :Toon Norp  # e-threads: 2  Block B | | |
| Cont | [S1-204035](Docs/S1-204035.zip) | UIC | Introduce “Train integrity monitoring data communication” use case | Approved | **e-Thread: [FS\_OffNetRail-1]** | |
| Cont | [S1-204036](Docs/S1-204036.zip) | UIC | Introduce “Shunting communication” use case | Approved | **e-Thread: [FS\_OffNetRail-1]** | |
| Cont | [S1-204037](Docs/S1-204037.zip) | UIC | Introduce “Train ready for departure communication” use case | Approved | **e-Thread: [FS\_OffNetRail-1]** | |
| Cont | [S1-204089](Docs/S1-204089.zip) | KRRI | Autonomous Train Control and Operation | Approved(\*) | **e-Thread: [FS\_OffNetRail-1]**  S1-204089r4 provided for approval day | |
| Cont | [S1-204090](Docs/S1-204090.zip) | KRRI | Virtual Coupling | Approved(\*) | **e-Thread: [FS\_OffNetRail-1]**  S1-204090r4 provided for approval day | |
| Cont | [S1-204148](Docs/S1-204148.zip) | UIC | Identified issue: Communication range | Approved | **e-Thread: [FS\_OffNetRail-2]** | |
| FS\_OffNetRail output | | | | | | |
| TR | [S1-204355](Docs/S1-204355.zip) | Rapporteur (UIC) | TR22.990 v0.2.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 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 v0.1.0  Target completion date: SA#91 (03/2021)  Percentage completion: 10% | | | | **Details e-mail discussion** :  Moderator: Greg Schumacher  # e-threads: 2  Block A | | |
| Cont | [S1-204083](Docs/S1-204083.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS: addition to overview | Approved(\*) | **e-Thread: [FS\_ 5TRS-1]**  S1-204083r3 provided for approval day | |
| Cont | [S1-204084](Docs/S1-204084.zip) | Nokia, Nokia Shanghai Bell | Use case on timing and timing resiliency delivery to financial sector | Approved(\*) | **e-Thread: [FS\_ 5TRS-1]**  S1-204084r3 provided for approval day | |
| Cont | [S1-204085](Docs/S1-204085.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS: clarification on 5G timing resiliency for smart grids | Revised to S1-204319 | **e-Thread: [FS\_ 5TRS-2]** | |
| Cont | [S1-204319](Docs/S1-204319.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS: clarification on 5G timing resiliency for smart grids | Approved | ***e-Thread: [FS\_ 5TRS-2]***  **Revision of S1-204085.**  Same as 4085r2 | |
| FS\_5TRS online | | | | | | |
| TR | [S1-204356](Docs/S1-204356.zip) | Rapporteur (Nokia) | TR22.878 v0.2.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 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 v0.1.0  Target completion date: SA#91 (03/2021)  Percentage completion: 20% | | | | **Details e-mail discussion**:  Moderator: Jose Almodovar  # e-threads: 14  Block B | | |
| **Existing Use Cases cont.** | | | | | | |
| Cont | [S1-204093](Docs/S1-204093.zip) | ZTE Corporation, CEPRI, China Telecom, Samsung | Remove editor note about underground coverage | Approved | **e-Thread: [FS\_5GSEI-1]** | |
| Cont | [S1-204095](Docs/S1-204095.zip) | CEPRI, ZTE Corporation, China Telecom | Update to Advanced Metering UC | Approved(\*) | **e-Thread: [FS\_5GSEI-2]**  S1-204095r2 provided for approval day | |
| Cont | [S1-204098](Docs/S1-204098.zip) | CEPRI, ZTE Corporation, China Telecom | Update to distributed automation UC | Approved(\*) | **e-Thread: [FS\_5GSEI-3]**  S1-204098r1 provided for approval day | |
| Cont | [S1-204198](Docs/S1-204198.zip) | Samsung, EUTC | Update to Remote DSO management of connectivity for Smart Energy Use Case |  | **e-Thread: [FS\_5GSEI-4]**  S1-204198r5 provided for approval day  TO OPEN S1-204198r6 (o:Huawei) | |
| Cont | [S1-204201](Docs/S1-204201.zip) | Samsung, EUTC | Update: Smart Energy Differentiated QoS for Transported Encrypted Data | Approved(\*) | **e-Thread: [FS\_5GSEI-5]**  S1-204201r3 provided for approval day | |
| **New Use Cases** | | | | | | |
| Cont | [S1-204101](Docs/S1-204101.zip) | CEPRI, ZTE Corporation, China Telecom | Use case of Smart Distribution Transformer Terminal | Revised to S1-204340 | **e-Thread: [FS\_5GSEI-6]** | |
| Cont | [S1-204340](Docs/S1-204340.zip) | CEPRI, ZTE Corporation, China Telecom | Use case of Smart Distribution Transformer Terminal |  | ***e-Thread: [FS\_5GSEI-6]***  Revision of S1-204101. Same as 4101r2  S1-204340r2 provided for approval day  TO OPEN (o: Nokia)  “-With the editors note I'm fine to keep the requirement for the time being” | |
| Cont | [S1-204050](Docs/S1-204050.zip) | Nokia, Nokia Shanghai Bell | Use case on applications using IEC 61850-9-2 sampled values | Noted | **e-Thread: [FS\_5GSEI-7]** | |
| Cont | [S1-204105](Docs/S1-204105.zip) | China Telecom, CEPRI, ZTE Corporation | UC of Isolation for Smart Grid Applications |  | **e-Thread: [FS\_5GSEI-8]**  S1-204105r5 provided for approval day  TO OPEN (o: Nokia) | |
| Cont | [S1-204199](Docs/S1-204199.zip) | Samsung | Gateway vs. End to End Security Use Case |  | **e-Thread: [FS\_5GSEI-9]**  Orig. version provided for approval day  TO OPEN (o: Qualcomm)  “*[PR5.x.6-1]         The 5G system shall enable support of a mechanism to support authentication and secured communication between the 5G system Core Network and a 3rd party’s application function, in order to provide secure end to end communication service.* | |
| Cont | [S1-204200](Docs/S1-204200.zip) | Samsung, EUTC | QoS Monitoring and Reporting Mechanisms | Approved(\*) | **e-Thread: [FS\_5GSEI-10]**  S1-204200r3 provided for approval day | |
| Cont | [S1-204202](Docs/S1-204202.zip) | Samsung | Energy Substation Surveillance | Approved | **e-Thread: [FS\_5GSEI-11]** | |
| Cont | [S1-204203](Docs/S1-204203.zip) | Samsung, EUTC, ZTE, China Telecom | Underground 3GPP Access | Revised to S1-204341 | **e-Thread: [FS\_5GSEI-12]** | |
| Cont | [S1-204341](Docs/S1-204341.zip) | Samsung, EUTC, ZTE, China Telecom | Underground 3GPP Access | Approved | ***e-Thread: [FS\_5GSEI-12]***  Revision of S1-204203. Same as 4203r1 | |
| Cont | [S1-204204](Docs/S1-204204.zip) | Huawei | Use case on “Distribution Intelligence – self-healing” | Revised to S1-204342 | **e-Thread: [FS\_5GSEI-13]** | |
| Cont | [S1-204342](Docs/S1-204342.zip) | Huawei | Use case on “Distribution Intelligence – self-healing” | Approved | ***e-Thread: [FS\_5GSEI-13]***  Revision of S1-204204. Same as 4204r1 | |
| Cont | [S1-204206](Docs/S1-204206.zip) | Huawei | Use Case of supporting communication for the transmission of synchrophasors in wide-area smart grid | Revised to S1-204343 | **e-Thread: [FS\_5GSEI-14]** | |
| Cont | [S1-204343](Docs/S1-204343.zip) | Huawei | Use Case of supporting communication for the transmission of synchrophasors in wide-area smart grid | Approved | ***e-Thread: [FS\_5GSEI-14]***  Revision of S1-204206. Same as 4206r1 | |
| Cont | S1-204104 | China Telecom, CEPRI, ZTE Corporation | UC of Isolation for Smart Grid Applications | Withdrawn |  | |
| FS\_5GSEI output | | | | | | |
| TR | [S1-204357](Docs/S1-204357.zip) | Rapporteur (China Telecom) | TR22.867 v0.1.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 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 v0.1.0  Target completion date: SA#91 (03/2021)  Percentage completion: 40% | | | | **Details e-mail discussion** :  Moderator :Mona Mustapha  # e-threads: 9  Block A | | |
| **Existing Use Cases cont.** | | | | | | |
| Cont | [S1-204097](Docs/S1-204097.zip) | Xiaomi | FS\_Ranging Add PR number to the potential new requirements | Approved | **e-Thread: [FS\_Ranging-1]** | |
| Cont | [S1-204165](Docs/S1-204165.zip) | Xiaomi | update for 5.9 distance based intelligent perception for public safety | Approved | **e-Thread: [FS\_Ranging-2]** | |
| Cont | [S1-204139](Docs/S1-204139.zip) | China Telecom | Clarification on museum tour requirement | Approved(\*) | **e-Thread: [FS\_Ranging-3]**  S1-204139r1 provided for approval day | |
| **New Use cases** | | | | | | |
| Cont | [S1-204091](Docs/S1-204091.zip) | ZTE | Active and Inactive consideration for ranging service | Noted | **e-Thread: [FS\_Ranging-4]** | |
| Cont | [S1-204255](Docs/S1-204255.zip) | Philips. | FS\_Ranging New use case on spatial grouping |  | **e-Thread: [FS\_Ranging-5]**  S1-204255r2 provided for approval day  TO OPEN (o: LG)  “ The requirement is application behavior, based on what 3GPP can provide to application. Also, in the current form of the requirement, ‘cluster’ is subjective. “ | |
| Cont | [S1-204157](Docs/S1-204157.zip) | OPPO | Requirement of touchless self-checkout machine control | Approved(\*) | **e-Thread: [FS\_Ranging-6]**  S1-204157r2 provided for approval day | |
| Cont | [S1-204196](Docs/S1-204196.zip) | Huawei, Huawei Device | Finding pets in a long distance based on energy efficient ranging | Approved(\*) | **e-Thread: [FS\_Ranging-7]**  S1-204196r1 provided for approval day | |
| **General** | | | | | | |
| Cont | [S1-204099](Docs/S1-204099.zip) | Xiaomi | FS\_Ranging Security and authorization issues |  | **e-Thread: [FS\_Ranging-8]**  Suggest to note  S1-204099r2 is provided for approval day  TO OPEN S1-204099r3 | |
| Cont | [S1-204100](Docs/S1-204100.zip) | Xiaomi | FS\_Ranging consolidated requirements |  | **e-Thread: [FS\_Ranging-8]**  Suggest to note  S1-204100r3 is provided for approval day  TO OPEN S1-204100r6 | |
| Cont | [S1-204102](Docs/S1-204102.zip) | Xiaomi | FS\_Ranging conclusions and recommendations | Noted | **e-Thread: [FS\_Ranging-8]** | |
| **KPI related contributions** | | | | | | |
| Cont | [S1-204234](Docs/S1-204234.zip) | Sony | FS\_Ranging kpi analysis of Ranging for vending machine use case | Approved | **e-Thread: [FS\_Ranging-9]** | |
| Cont | [S1-204145](Docs/S1-204145.zip) | Huawei, Huawei Device | KPI analysis on Picture and video sharing | Approved | **e-Thread: [FS\_Ranging-9]** | |
| Cont | [S1-204121](Docs/S1-204121.zip) | Xiaomi | FS\_Ranging KPI Analysis: Hands Free Access | Approved | **e-Thread: [FS\_Ranging-9]** | |
| Cont | [S1-204122](Docs/S1-204122.zip) | Xiaomi | FS\_Ranging KPI Analysis: Smart Vehicle Key | Approved | **e-Thread: [FS\_Ranging-9]** | |
| Cont | [S1-204120](Docs/S1-204120.zip) | Xiaomi | FS\_Ranging KPI Analysis: Finding items in a Supermarket | Approved | **e-Thread: [FS\_Ranging-9]** | |
| Cont | [S1-204092](Docs/S1-204092.zip) | Xiaomi | FS\_Ranging KPI analysis on Distance based Smart Home Device Control Use Case | Approved | **e-Thread: [FS\_Ranging-9]** | |
| Cont | [S1-204094](Docs/S1-204094.zip) | Xiaomi | FS\_Ranging KPI analysis on Smart Home TV Control Use Case | Approved | **e-Thread: [FS\_Ranging-9]** | |
| Cont | [S1-204096](Docs/S1-204096.zip) | Xiaomi | FS\_Ranging KPI analysis on Smart Transportation Metro/Bus Validation | Revised to S1-204322 | **e-Thread: [FS\_Ranging-9]** | |
| Cont | [S1-204322](Docs/S1-204322.zip) | Xiaomi | FS\_Ranging KPI analysis on Smart Transportation Metro/Bus Validation | Approved | ***e-Thread: [FS\_Ranging-9]***  Revision of S1-204096.  Same as 4096r1 | |
| Cont | [S1-204138](Docs/S1-204138.zip) | China Telecom | Clarification on museum tour requirement | Withdrawn |  | |
| FS\_Ranging output | | | | | | |
| TR | [S1-204358](Docs/S1-204358.zip) | Rapporteur (Xiaomi) | TR22.855 v0.2.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 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 v0.1.0  Target completion date: SA#91 (03/2021)  Percentage completion: 30% | | | | **Details e-mail discussion** :  Moderator :Greg Schumacher  # e-threads: 5  Block A | | |
| **Existing Use Cases cont.** | | | | | | |
| Cont | [S1-204170](Docs/S1-204170.zip) | Huawei | Clarification on use case 5.4 | Approved(\*) | **e-Thread: [FS\_Resident-1]**  S1-204170r6 provided for approval day | |
| Cont | [S1-204172](Docs/S1-204172.zip) | Huawei | Claification on use case 5.5 | Approved(\*) | **e-Thread: [FS\_Resident-1]**  S1-204172r7 provided for approval day | |
| Cont | [S1-204147](Docs/S1-204147.zip) | China Telecom | Existing feature analysis on QoS maintenance use case | Approved(\*) | **e-Thread: [FS\_Resident-1]**  S1-204147r2 provided for approval day | |
| **New Use Cases - Enhancements for indoor small base stations** | | | | | | |
| Cont | [S1-204007](Docs/S1-204007.zip) | InterDigital, KPN | FS\_Resident: New use case on Local control of indoor base station for UE access to a local home network device |  | **e-Thread: [FS\_Resident-2]**  S1-204007r3 provided for approval day  TO OPEN: S1-204007r4 (o: Nokia) | |
| Cont | [S1-204174](Docs/S1-204174.zip) | Huawei | New use case on E2E QoS monitoring | Approved(\*) | **e-Thread: [FS\_Resident-2]**  S1-204174r2 provided for approval day | |
| Cont | [S1-204211](Docs/S1-204211.zip) | Apple | FS\_Resident: New use case on Provisioning Third-party Residential Gateway and Indoor gNB | Approved(\*) | **e-Thread: [FS\_Resident-2]**  S1-204211r4 provided for approval day | |
| **New Use Cases - Enhancements for fixed LAN** | | | | | | |
| Cont | [S1-204181](Docs/S1-204181.zip) | KPN | Use case on 5G LAN scalability | Approved(\*) | **e-Thread: [FS\_Resident-3]**  S1-204181r3 provided for approval day | |
| Cont | [S1-204190](Docs/S1-204190.zip) | KPN | Use case on indoor LAN to 5G LAN connectivity | Approved(\*) | **e-Thread: [FS\_Resident-3]**  Orig. version goes for approval day | |
| **New Use Cases - Enhancements for Wireline Wireless Convergence** | | | | | | |
| Cont | [S1-204074](Docs/S1-204074.zip) | Vivo | New Use case: Video game playing |  | **e-Thread: [FS\_Resident-4]**  S1-204074r6 provided for approval day  TO OPEN (o: Nokia) | |
| Cont | [S1-204264](Docs/S1-204264.zip) | InterDigital | FS\_Resident: Use case on seamless switching from a UE-to-UE direct communication to an indirect communication via a residential gateway | Approved(\*) | **e-Thread: [FS\_Resident-4]**  S1-204264r6 provided for approval day | |
| Cont | [S1-204265](Docs/S1-204265.zip) | InterDigital | FS\_Resident: Use case on seamless switching to a service hosting environment via a residential gateway | Approved(\*) | **e-Thread: [FS\_Resident-4]**  S1-204265r5 provided for approval day | |
| **Others – Terminology** | | | | | | |
| Cont | [S1-204268](Docs/S1-204268.zip) | KPN | Definition of terminology on indoor base station | Approved(\*) | **e-Thread: [FS\_Resident-5]**  S1-204268r2 provided for approval day | |
| Cont | [S1-204269](Docs/S1-204269.zip) | KPN | Definition of terminology on residential gateway | Merge into 4268 | **e-Thread: [FS\_Resident-5]** | |
| Cont | [S1-204173](Docs/S1-204173.zip) | Huawei | Definition on indoor small base station | Merge into 4268 | **e-Thread: [FS\_Resident-5]** | |
| Cont | [S1-204081](Docs/S1-204081.zip) | Nokia, Nokia Shanghai Bell | FS\_RESIDENT: terminology update | Merge into 4268 | **e-Thread: [FS\_Resident-5]** | |
| Cont | [S1-204302](Docs/S1-204302.zip) | FS\_Resident Rapporteur | Way forward on Resident terminology | Merge into 4268 | **e-Thread: [FS\_Resident-5]** | |
| FS\_Resident output | | | | | | |
| TR | [S1-204359](Docs/S1-204359.zip) | Rapporteur (KPN) | TR22.858 v0.2.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 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 v0.1.0  Target completion date: SA#91 (03/2021)  Percentage completion: 15% | | | | **Details e-mail discussion** :  **Details e-mail discussion** :  Moderator: Mark Younge  # e-threads: 11  Block B | | |
| **Existing use cases** | | | | | | |
| Cont | [S1-204061](Docs/S1-204061.zip) | Vivo | FS\_PIN Updating the media share use case | Approved(\*) | **e-Thread: [FS\_PIN-1]**  S1-204061r6 provided for approval day | |
| Cont | [S1-204062](Docs/S1-204062.zip) | Vivo | FS\_PIN Updating Criteria aspect for non-operator managed spectrum for use case 5.4 | Approved(\*) | **e-Thread: [FS\_PIN-2]**  S1-204062r1 provided for approval day | |
| Cont | [S1-204063](Docs/S1-204063.zip) | Vivo | FS\_PIN Updating charging aspect for use case 5.4 | Approved | **e-Thread: [FS\_PIN-2]** | |
| Cont | [S1-204064](Docs/S1-204064.zip) | Vivo | FS\_PIN Updating statistics aspect for non-operator managed spectrum for use case 5.4 | Approved(\*) | **e-Thread: [FS\_PIN-2]**  S1-204064r3 provided for approval day | |
| Cont | [S1-204059](Docs/S1-204059.zip) | Vivo | FS\_PIN Onboarding | Revised to S1-204331 | **e-Thread: [FS\_PIN-3]** | |
| Cont | [S1-204331](Docs/S1-204331.zip) | Vivo | FS\_PIN Onboarding | Approved | ***e-Thread: [FS\_PIN-3]***  Revision of S1-204059. Same as 4059r4 | |
| Cont | [S1-204065](Docs/S1-204065.zip) | Vivo | FS\_PINs – Use case Positioning AR/ VR update | Withdrawn | **e-Thread: [FS\_PIN-4]** | |
| Cont | [S1-204127](Docs/S1-204127.zip) | Intel | Update of Use Case of UE accessing Services of PIN Devices at home |  | **e-Thread: [FS\_PIN-5]**  S1-204127r4 provided for approval day  TO OPEN (o: Nokia, DT) | |
| **New use cases** | | | | | | |
| Cont | [S1-204010](Docs/S1-204010.zip) | Dolby Laboratories Inc. | FS\_PINs – Use case – Follow-me audio capture and playback | Noted | **e-Thread: [FS\_PIN-6]** | |
| Cont | [S1-204011](Docs/S1-204011.zip) | Convida Wireless LLC | FS\_PIN use case – Personal health monitoring PIN devices | Revised to S1-204332 | **e-Thread: [FS\_PIN-7]** | |
| Cont | [S1-204332](Docs/S1-204332.zip) | Convida Wireless LLC | FS\_PIN use case – Personal health monitoring PIN devices | Approved(\*) | ***e-Thread: [FS\_PIN-7]***  Revision of S1-204011. Same as 4011r2  S1-204332 provided for approval day | |
| Cont | [S1-204226](Docs/S1-204226.zip) | Phillips | FS\_PIN New use case personal health | Approved(\*) | **e-Thread: [FS\_PIN-7]**  S1-204226r4 provided for approval day | |
| Cont | [S1-204038](Docs/S1-204038.zip) | InterDigital | FS\_PIN: New use case: UE accessing PIN applications hosted by 5G enabled gateways |  | **e-Thread: [FS\_PIN-8]**  S1-204038r6 provided for approval day  TO OPEN (o: Huawei)  “Editor’s Note: The relationship between service hosting environment and PIN element needs to be clarified. Some questions need to be answered, e.g., how a local UPF can be deployed on a PIN element with gateway capability? The PIN elements will have mobility, does this mean the UPF in PIN elements can move everywhere?” | |
| Cont | [S1-204060](Docs/S1-204060.zip) | Vivo | FS\_PIN Usecase - The tour guide | Revised to S1-204333 | **e-Thread: [FS\_PIN-9]** | |
| Cont | [S1-204333](Docs/S1-204333.zip) | Vivo | FS\_PIN Usecase - The tour guide | Approved(\*) | ***e-Thread: [FS\_PIN-9]***  Revision of S1-204060.  S1-204060r6 provided for approval day | |
| Cont | [S1-204175](Docs/S1-204175.zip) | KPN | FS\_PIN Use case Broadcast service discovery |  | **e-Thread: [FS\_PIN-10]**  S1-204175r3 provided for approval day  TO OPEN S1-204175r4 (o: Qualcomm) | |
| **Others** | | | | | | |
| Cont | [S1-204066](Docs/S1-204066.zip) | Vivo | PINs – Editorials | Approved | **e-Thread: [FS\_PIN-11]** | |
| Cont | [S1-204067](Docs/S1-204067.zip) | Vivo | PINs –PIN definition updates | Approved(\*) | **e-Thread: [FS\_PIN-11]**  S1-204067r5 provided for approval day | |
| Cont | [S1-204330](Docs/S1-204330.zip) | PINs rapporteur | PINs Terminology | Endorsed | **e-Thread: [FS\_PIN-11]**  S1-204330 provided for approval day (to be endorsed). | |
| Cont | [S1-204058](Docs/S1-204058.zip) | Vivo | FS\_PIN Overview | Revised to S1-204334 | **e-Thread: [FS\_PIN-11]** | |
| Cont | [S1-204334](Docs/S1-204334.zip) | Vivo | FS\_PIN Overview | Approved | ***e-Thread: [FS\_PIN-11]***  Revision of S1-204058. Same as 4058r4 | |
| Cont | [S1-204057](Docs/S1-204057.zip) | Vivo | Minutes of PIN call 28th October | Noted | **No thread needed** | |
| FS\_PIN output | | | | | | |
| TR | [S1-204360](Docs/S1-204360.zip) | Rapporteur (vivo) | TR22.859 v0.2.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 23:00 UTC | |
| PALS | | | | | | |
| FS\_PALS: Study on 5G Networks Providing Access to Localized Services [[SP-200799](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1152348)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Jack Nasielski (Qualcomm)  Latest version: TR22.844v-  Target completion date: SA#91 (06/2021)  Percentage completion: 0% | | | | **Details e-mail discussion** :  Moderator :Greg Schumacher  # e-threads: 12  Block B | | |
| **General** | | | | | | |
| Cont | [S1-204227](Docs/S1-204227.zip) | Qualcomm | PALS TR skeleton | Revised to S1-204336 | **e-Thread: [FS\_PALS-1]** | |
| Cont | [S1-204336](Docs/S1-204336.zip) | Qualcomm | PALS TR skeleton | Approved | ***e-Thread: [FS\_PALS-1]***  Revision of S1-204227. Same as 4336 | |
| Cont | [S1-204229](Docs/S1-204229.zip) | Qualcomm | PALS TR scope | Approved | **e-Thread: [FS\_PALS-1]** | |
| **Use cases** | | | | | | |
| Cont | [S1-204026](Docs/S1-204026.zip) | LG Electronics | On demand connectivity service for International traveller | Merged into 4075r1 | **e-Thread: [FS\_PALS-2]** | |
| Cont | [S1-204027](Docs/S1-204027.zip) | LG Electronics | Providing PALS service over unlicensed band | Approved | **e-Thread: [FS\_PALS-3]** | |
| Cont | [S1-204051](Docs/S1-204051.zip) | Samsung | FS\_PALS: Business models for Providing Access to Localized Services | Approved | **e-Thread: [FS\_PALS-4]** | |
| Cont | [S1-204075](Docs/S1-204075.zip) | Vivo | New use case for roaming service for FS\_PALS | Approved(\*) | **e-Thread: [FS\_PALS-5]**  S1-204075r3 provided for approval day | |
| Cont | [S1-204217](Docs/S1-204217.zip) | Intel | Use Case for UEs using home network service via hosting network | Approved(\*) | **e-Thread: [FS\_PALS-6]**  S1-204217r4 provided for approval day | |
| Cont | [S1-204219](Docs/S1-204219.zip) | Intel | Use Case for UEs using on demand services via hosting network | Approved(\*) | **e-Thread: [FS\_PALS-6]**  S1-204219r3 provided for approval day | |
| Cont | [S1-204230](Docs/S1-204230.zip) | Qualcomm | New use case: automatic discovery and selection | Approved(\*) | **e-Thread: [FS\_PALS-7]**  S1-204230r2 provided for approval day | |
| Cont | [S1-204231](Docs/S1-204231.zip) | Qualcomm | New use case: in venue discovery and registration |  | **e-Thread: [FS\_PALS-8]**  S1-204231r4 provided for approval day  TO OPEN (o: DT) “Editor's Note: Further requirements corresponding to steps 1 to 4 in the service flow might be needed and are FFS.” | |
| Cont | [S1-204232](Docs/S1-204232.zip) | Qualcomm | New use case: service configuration\_standard API | Revised to S1-204335 | **e-Thread: [FS\_PALS-9]** | |
| Cont | [S1-204335](Docs/S1-204335.zip) | Qualcomm | New use case: service configuration\_standard API | Approved(\*) | ***e-Thread: [FS\_PALS-9]***  Revision of S1-204232.  S1-204232r2 provided for approval day | |
| Cont | [S1-204233](Docs/S1-204233.zip) | Ericsson | Use case for Steering a UE between networks for localized services | Noted | **e-Thread: [FS\_PALS-10]** | |
| Cont | [S1-204263](Docs/S1-204263.zip) | InterDigital | FS\_PALS: New use case on hosting network deployment for a temporary event | Revised to S1-204337 | **e-Thread: [FS\_PALS-11]** | |
| Cont | [S1-204337](Docs/S1-204337.zip) | InterDigital | FS\_PALS: New use case on hosting network deployment for a temporary event |  | ***e-Thread: [FS\_PALS-11]***  Revision of S1-204263.  S1-204263r4 provided for approval day  TO OPEN (o: Nokia, DT) | |
| Cont | [S1-204267](Docs/S1-204267.zip) | KPN, TNO | Regulatory requirements in a network providing access to localized services | Revised to S1-204338 | **e-Thread: [FS\_PALS-12]** | |
| Cont | [S1-204338](Docs/S1-204338.zip) | KPN, TNO | Regulatory requirements in a network providing access to localized services | Approved | ***e-Thread: [FS\_PALS-12]***  Revision of S1-204267. Same as 4267r1 | |
| CR | [S1-204024](Docs/S1-204024.zip) | LG Electronics | R16 CR to TS22.278 Relay Alignment | Moved to 6.2 |  | |
| CR | [S1-204025](Docs/S1-204025.zip) | LG Electronics | CR22.011v17.2.0 Requirement Alignment related to PLMN reselection | Withdrawn | *WI code TEI17 Rel-17 CR0312R-Cat F* | |
| FS\_PALS output | | | | | | |
| TR | [S1-204361](Docs/S1-204361.zip) | Rapporteur (Qualcomm) | TR22.844 v0.1.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 23:00 UTC | |
| VMR | | | | | | |
| FS\_VMR: Study on vehicle-mounted relays [[SP-200798](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1152347)] | | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Francesco Pica (Qualcomm)  Latest version: TR22.839v-  Target completion date: SA#91 (06/2021)  Percentage completion: 0% | | | | **Details e-mail discussion** :  Moderator :Jose Almodovar  # e-threads: 8  Block A | | |
| **General** | | | | | | |
| Cont | [S1-204244](Docs/S1-204244.zip) | Qualcomm | TR skeleton | Revised to S1-204296 | **e-Thread: [FS\_VMR-1]** | |
| Cont | [S1-204296](Docs/S1-204296.zip) | Qualcomm | TR skeleton | Approved | ***e-Thread: [FS\_VMR-1]***  Revision of S1-204244.  Same as 4244r1 without colours. | |
| Cont | [S1-204220](Docs/S1-204220.zip) | Qualcomm | TR scope | Approved | **e-Thread: [FS\_VMR-1]** | |
| Cont | [S1-204221](Docs/S1-204221.zip) | Qualcomm | Text proposal for Overview section | Approved(\*) | **e-Thread: [FS\_VMR-1]**  Orig. version goes for approval day | |
| **Use cases on basic relay operation and configuration** | | | | | | |
| Cont | [S1-204222](Docs/S1-204222.zip) | Qualcomm | Use case: support of relay operation, activation and basic configuration | Approved(\*) | **e-Thread: [FS\_VMR-2]**  [S1-204222](Docs/S1-204222r1.zip)r2 provided for approval day | |
| Cont | [S1-204151](Docs/S1-204151.zip) | CATT | Use case for authorization and configuration for car mounted base station | Revised to S1-204297 | **e-Thread: [FS\_VMR-2]** | |
| Cont | [S1-204297](Docs/S1-204297.zip) | CATT | Use case for authorization and configuration for car mounted base station | Approved | ***e-Thread: [FS\_VMR-2]***  Revision of S1-204151.  Same as 4151r1+ correct terminology | |
| **Use cases on access control** | | | | | | |
| Cont | [S1-204223](Docs/S1-204223.zip) | Qualcomm | Use case: access control, permission and policies | Approved(\*) | **e-Thread: [FS\_VMR-3]**  S1-204223r2 provided for approval day | |
| Cont | [S1-204235](Docs/S1-204235.zip) | Qualcomm | Use case: access control, app based user authorization | Approved(\*) | **e-Thread: [FS\_VMR-3]**  [S1-204235](Docs/S1-204235r1.zip)r2 provided for approval day | |
| Cont | [S1-204149](Docs/S1-204149.zip) | CATT | Use case for multiple working modes of vehicle mounted base station | Approved(\*) | **e-Thread: [FS\_VMR-3]**  S1-204149r2 provided for approval day (uploaded but not in the right format) | |
| **Use cases on mobility/service continuity** | | | | | | |
| Cont | [S1-204236](Docs/S1-204236.zip) | Qualcomm | Use case: mobility between macro and relay - user outside vehicle |  | **e-Thread: [FS\_VMR-4]**  Orig. version goes for approval day  TO OPEN (o: KPN) | |
| Cont | [S1-204237](Docs/S1-204237.zip) | Qualcomm | Use case: mobility between macro and relay, user entering-leaving vehicle |  | **e-Thread: [FS\_VMR-4]**  Orig. version goes for approval day  TO OPEN (o: KPN) | |
| Cont | [S1-204238](Docs/S1-204238.zip) | Qualcomm | Use case: mobility between relays, user outside vehicle |  | **e-Thread: [FS\_VMR-4]**  Orig. version goes for approval day  TO OPEN (o: KPN) | |
| Cont | [S1-204239](Docs/S1-204239.zip) | Qualcomm | Use case: mobility between relays, user inside vehicle | Approved(\*) | **e-Thread: [FS\_VMR-4]**  [S1-204239](Docs/S1-204239r1.zip)r1 provided for approval day | |
| Cont | [S1-204240](Docs/S1-204240.zip) | Qualcomm | Use case: mobility of relay between macro, user outside vehicle |  | **e-**Thread**: [FS\_VMR-4]**  Orig. version goes for approval day  TO OPEN (o: KPN) | |
| Cont | [S1-204241](Docs/S1-204241.zip) | Qualcomm | Use case: mobility of relay between macro, user inside vehicle | Approved(\*) | **e-Thread: [FS\_VMR-4]**  [S1-204241](Docs/S1-204241r1.zip)r1 provided for approval day | |
| **Use cases on other mobility/connectivity requirements** | | | | | | |
| Cont | [S1-204109](Docs/S1-204109.zip) | LG Electronics., Qualcomm | Use Case: Optimizing mobility for UEs | Revised to S1-204299 | **e-Thread: [FS\_VMR-5]** | |
| Cont | [S1-204299](Docs/S1-204299.zip) | LG Electronics., Qualcomm | Use Case: Optimizing mobility for UEs | Revised to S1-204320 | ***e-Thread: [FS\_VMR-5]***  Revision of S1-204109.  Same as 4109r1 + correct terminology | |
| Cont | [S1-204320](Docs/S1-204320.zip) | LG Electronics., Qualcomm | Use Case: Optimizing mobility for UEs | Approved | ***e-Thread: [FS\_VMR-5]***  *Revision of S1-204109.*  *Same as 4109r1 + correct terminology*  Revision of S1-204299. To adapt terminology. | |
| Cont | [S1-204110](Docs/S1-204110.zip) | LG Electronics., Qualcomm | Use Case: VMR load balancing | Revised to S1-204298 | **e-Thread: [FS\_VMR-5]** | |
| Cont | [S1-204298](Docs/S1-204298.zip) | LG Electronics., Qualcomm | Use Case: VMR load balancing | Revised to S1-204321 | ***e-Thread: [FS\_VMR-5]***  Revision of S1-204110.  Same as 4110r1 + correct terminology. | |
| Cont | [S1-204321](Docs/S1-204321.zip) | LG Electronics., Qualcomm | Use Case: VMR load balancing | Approved | ***e-Thread: [FS\_VMR-5]***  *Revision of S1-204110.*  *Same as 4110r1 + correct terminology.*  Revision of S1-204298. To adapt terminology. | |
| Cont | [S1-204150](Docs/S1-204150.zip) | CATT | Use case for continuous connection via bus mounted base station | Approved(\*) | **e-Thread: [FS\_VMR-5]**  [S1-204150](Docs/S1-204109.zip)r3 provided for approval day | |
| **Other use cases and aspects** | | | | | | |
| Cont | [S1-204176](Docs/S1-204176.zip) | Xiaomi | FS\_VMR-Use\_Case-Provide Location service to a UE attached to the relay mounted in the vehicle | Approved(\*) | **e-Thread: [FS\_VMR-6]**  S1-204176r1 provided for approval day | |
| Cont | [S1-204242](Docs/S1-204242.zip) | Qualcomm | Use case: incentives and charging | Approved(\*) | **e-Thread: [FS\_VMR-7]**  Orig. version goes for approval day | |
| Cont | [S1-204243](Docs/S1-204243.zip) | Qualcomm | Draft TP for section on Other considerations | Approved(\*) | **e-Thread: [FS\_VMR-8]**  S1-204243r1 provided for approval day | |
| FS\_PALS output | | | | | | |
| TR | [S1-204362](Docs/S1-204362.zip) | Rapporteur (Qualcomm) | TR22.839 v0.1.0 to include agreements at this meeting |  | Draft version by Monday 23th 23:00 UTC.  Comments till Sunday 29th 23:00 UTC  Final TR by Monday 30th 23:00 UTC | |
| Other technical contributions | | | | | | |
| CR | S1-204054 | Nokia, Nokia Shanghai Bell | Quality improvement: Clarification of “High accuracy positioning” power consumption requirement | Withdrawn |  | |
| CR | S1-204055 | Nokia, Nokia Shanghai Bell | CR22.261v17.4.0 Clarification of “High accuracy positioning” power consumption requirement | Moved to 6.1 | *WI code TEI17 Rel-17 CR0475R-Cat D* | |
| CR | S1-204076 | Nokia, Nokia Shanghai Bell | CR22.261v18.0.0 Quality improvement: Clarification of “High accuracy positioning” power consumption requirement | Moved to 6.1 | *WI code TEI17 Rel-17 CR0476R-Cat D*  Version of the TS? | |
| CR | S1-204131 | China Telecom | CR22.261v18.0.0 Correction of Access Identities Table in clause 6.22.2.2 | Moved to 6.1 | *WI code Smarter\_Ph2 Rel-18 CR0480R-Cat F*  *Why not Rel-17 and mirror? WI-code?* | |
| Other non-technical contributions | | | | | | |
| Cont | [S1-204049](Docs/S1-204049.zip) | SyncTechno Inc. | 3GPP Release timeline consideration of 5G verticals | Noted | **e-Thread: [Non\_Tech - 1]** | |
| Cont | [S1-204052](Docs/S1-204052.zip) | Samsung R&D Institute UK | SA1 Updates to ToR | Noted | **e-Thread: [Non\_Tech – 2]** | |
| Cont | [S1-204053](Docs/S1-204053.zip) | Samsung R&D Institute UK | Updated SA1 ToR, using new template |  | **e-Thread: [Non\_Tech - 2]**  S1-204053r2 provided for approval day (to be endorsed)  TO OPEN S1-204053r3 | |
| CR | [S1-204132](Docs/S1-204132.zip) | China Telecom | CR22.261v17.4.0 Quality improvement of TS 22.261 | Moved to 5 | *WI code SMARTER\_Ph2* *CR0481R-Cat D*  *Wrong WI Code* | |
| CR | [S1-204133](Docs/S1-204133.zip) | China Telecom | CR22.261v18.0.0 Quality improvement of TS 22.261 | Moved to 5 | *WI code SMARTER\_Ph2* *Rel-18 CR0482R-Cat D*  *Wrong WI Code. Should be Cat A* | |
| Work Item/Study Item progress | | | | | | |
| Session information outputs | | | | | | |
| Work Item/Study Item status update | | | | | | |
| REP | [S1-204363](docs\S1-204363.zip) | China Mobile | FS\_MMTELin5G – Status report |  |  | |
| REP | [S1-204364](docs\S1-204364.zip) | Hansung University | FS\_RAILSS – Status report |  |  | |
| REP | [S1-204365](docs\S1-204365.zip) | OPPO | FS\_AMMT – Status report |  |  | |
| REP | [S1-204366](docs\S1-204366.zip) | THALES | FS\_5GET– Status report |  |  | |
| REP | [S1-204367](docs\S1-204367.zip) | LG Electronics | FS\_EASNS – Status report |  |  | |
| REP | [S1-204368](docs\S1-204368.zip) | UIC | FS\_OffNetRail – Status report |  |  | |
| REP | [S1-204369](docs\S1-204369.zip) | Nokia | FS\_5TRS – Status report |  |  | |
| REP | [S1-204370](docs\S1-204370.zip) | China Telecom | FS\_5GSEI – Status report |  |  | |
| REP | [S1-204371](docs\S1-204371.zip) | Xiaomi | FS\_Ranging – Status report |  |  | |
| REP | [S1-204372](docs\S1-204372.zip) | KPN | FS\_Resident – Status report |  |  | |
| REP | [S1-204373](docs\S1-204373.zip) | Vivo | FS\_PIN – Status report |  |  | |
| REP | [S1-204374](docs\S1-204374.zip) | Qualcomm | FS\_PALS – Status report |  |  | |
| REP | [S1-204375](docs\S1-204375.zip) | Qualcomm | FS\_VMR – Status report |  |  | |
| Next meetings | | | | | | |
| Calendar | | | | | | |
| **2021 meetings:**  SA1#92e\_bis\* 11-21 Jan 2021 e-meeting  SA1#93e 23 Feb - 4 Mar 2021 e-meeting  SA1#94e 11-20 May 2021 e-meeting  SA1#95 23-27 Aug 2021 Wroclaw, Poland | | | | | | |
| Any other business | | | | | | |
| Close | | | | | | |
| Close latest by 15:30UTC on Thursday 20 November 2021 | | | | | | |