3GPP TSG-SA WG1 Meeting SA1#97-e S1-220002

Electronic Meeting, 14-24 February 2022

Title: 1st Draft Agenda for SA1#97-e

Ag. Item: 1.1

Source: SA1 Chairman

Contact: Jose Almodovar

Submission Guidelines

* **Submission deadlines:**
	1. Tdoc **number** and **CR number** requests:     **Friday,** 4 February 2022, 23:00 UTC
	2. Document **submission**:                                **Friday,** 4 February 2022, 23:00 UTC
* Documents that miss either deadline will be considered as **LATE** and will be given low priority
* **Tdoc numbers and CR numbers** can be reserved and documents uploaded at <https://portal.3gpp.org/> (register, then click on the "C" next to 3GPPSA1#97e)
* Please use the document templates available at <https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_97e_EM_Feb2022/templates>
* For CRs:
	+ **TEI18 CRs will only be accepted if there is no impact to Stage 2 or Stage 3 or for alignment purposes**
	+ **CRs** **MUST have a CR number** allocated by the 3GPP Portal BEFORE being submitted
	+ **CRs MUST have a Work Item code**, and the WI code must be valid for the specific release (e.g. a Rel-18 CR with Rel-17 WI is not permitted, except for cat. A CR)
	+ Work Item Codes for the CRs are available in the [Work Plan](https://ftp.3gpp.org/Information/WORK_PLAN) (or at <http://www.3gpp.org/ftp/Specs/html-info/TSG-WG--s1--wis.htm> )

**LEGEND**

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

**Conclusion**: Agreed, Approved, Revised to S1-22xxxx, Noted, Withdrawn, Moved to section xxx, Rejected, Postponed, Email Approval, Not Handled, Unallocated, Drafting

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DocType | Tdoc number | Sourcing company(ies) | Document Title | Conclusion | Comments |
| CR | S1-19xxxx | Source | Title | Agreed / Approved |  |
| CR | S1-19xxxx | Source | Title | Revised to S1-22xxxx |  |
| CR | S1-19xxxx | Source | Title | Noted |  |
| CR | S1-19xxxx | Source | Title | Withdrawn |  |
| CR | S1-19xxxx | Source | Title | Moved to section xxx |  |
| CR | S1-19xxxx | Source | Title | Rejected |  |
| CR | S1-19xxxx | Source | Title | Postponed |  |
| CR | S1-19xxxx | Source | Title | Email Approval |  |
| CR | S1-19xxxx | Source | Title | Not Handled |  |
|  | S1-19xxxx |  |  | Unallocated / Drafting |  |

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| --- | --- | --- | --- |
| **Study** | **Moderator** | **Study** | **Moderator** |
| ***FS\_Sensing*** | Jose | ***FS\_LiMigr*** | Jose |
| ***FS\_PassIoT*** | Mark | ***FS\_ReduCarb*** | Erik |
| ***FS\_5GSAT\_Ph3*** | Toon | ***FS\_NomRelay*** | Erik |
| ***FS\_CAN*** | Mona | ***FS\_MPS4txt*** | Greg |
| ***FS\_Metaverse*** | Toon | ***FS\_EOS*** | Yusuke |
| ***FS\_Hologra*** | Tony | ***FS\_ULTRAS*** | Tony |
| ***FS\_NetShare*** | Mark | ***FS\_HostNet***  | Yusuke |
| ***FS\_FRMCS\_Ph3*** | Tony | ***FS\_Cloud*** | Greg |
| ***FS\_DisData*** | Greg | ***FS\_MobRelay*** | Erik |
| ***FS\_LocalMesh*** | Mona | ***FS\_UAS\_Ph2*** | Toon |
| ***FS\_PINVR*** | Toon | ***FS\_SOBOT*** | Yusuke |
| ***FS\_MINT\_CNF*** | Erik | ***FS\_MUS***  | Tony |
| ***FS\_AIML\_UE*** | Greg | ***FS\_RAILSS*** | Jose |

**SA1#96e Timeline & Blocks**



**Moderators:** Jose Almodovar, Yusuke Nakano, Xu Xia, Mark Younge, Toon Norp, Mona Mustapha, Greg Schumacher, Erik Guttman

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| --- |
| Opening of the meeting |
| Opening of the meeting at 23:00 UTC on Sunday 13 February 2022 |
| Guidelines e-meeting |
| Delegates can find the guidelines that will be followed during SA1#97e in the following [link](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_97e_EM_Feb2022/inbox/S1-220003.zip). |
| Agenda and scheduling |
| AGE | [S1-220000](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220000.zip) | SA1 Chairman | 1st Draft agenda for SA1#97e | Revised to S1-220001 |  |
| AGE | [S1-220001](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220001.zip) | SA1 Chairman | 2nd Draft agenda for SA1#97e | Revised to S1-220002 | Revision of S1-220000. |
| AGE | [S1-220002](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220002.zip) | SA1 Chairman | Agenda for SA1#97e | Agreed | *Revision of S1-220000.*Revision of S1-220001. |
| IPR, antitrust and competition laws |
|  | **IPR call reminder** I draw your attention to your obligations under the 3GPP Partner Organizations’ IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.Delegates are asked to take note that they are thereby invited:* to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.
* to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms.

**Antitrust policy Reminder**I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this WG meeting including the Chairperson and Vice Chairperson. In case of question I recommend that you contact your legal counsel.The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG meetings is important to allow for full and fair consideration of such matters. |  |
| Previous SA1 meeting report |
| The report of the last meeting will be approved at the start of the meeting. |
| REP | S1-220004 | ETSI | Draft minutes of SA1#96e | Revised to S1-220005 |  |
| REP | [S1-220005](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220005.zip) | ETSI | Minutes of SA1#96e | Approved | Revision of S1-220004.No presentation |
| Information for delegates |
| Draft TR/TS to SA plenary for information: delegates are encouraged to send draft TR/TS for information as soon as there is useful content to be reviewed. Draft TR/TS can be sent to SA plenary for information more than once.Drafting p-CRs:* All changes must be shown using revision marks against existing text in the draft TS/TR, otherwise p-CRs may be Noted

For more info: ftp://ftp.3gpp.org/tsg\_sa/WG1\_Serv/Delegate\_Guidelines\_v10.docWhen writing CRs, please follow the guidance provided in SP-220006 (Guidelines to write CRs) |
| Information for rapporteurs |
| "Beginner's guide" for writing a new TS/TR is available at <http://www.3gpp.org/specifications-groups/delegates-corner/writing-a-new-spec> (feedback on content is welcome!)For detailed drafting guidelines, please see [TR 21.801](http://www.3gpp.org/DynaReport/21801.htm)Rapporteurs are expected to produce a work item/study item status report for the end of the meeting under agenda item **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#97e, SA1\_Reports] |
| REP  | [S1-220007](file:///C%3A%5C%5CUsers%5C%5Calmodovarchicojl%5C%5CDesktop%5C%5CTSGS1_97e_EM_Feb2022%5C%5Cdocs%5C%5CS1-220007.zip) | SA1 Chair | SA1-related topics at SA#94e | Noted |  |
| REP | [S1-220006](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220006.zip) | ETSI | Work Plan presentation for SA1#96e | Noted |  |
| REP | [S1-220174](file:///C%3A%5CUsers%5Calmodovarchicojl%5CAppData%5CRoaming%5CMicrosoft%5CWord%5Cdocs%5CS1-220174.zip) | SA1 Chair | Opening Session Remarks for SA1#97e  | Noted |  |
| **Guidelines** |
| REP | [S1-220170](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220170.zip) | MCC | Guidelines on WID names and acronyms | Noted |  |
| REP | [S1-220171](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220171.zip) | MCC | Proposed changes on names and acronyms for the new WIDs | Noted |  |
| REP | [S1-220003](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220003.zip) | SA1 chair, MCC | Guidelines for SA1#97e (e-meeting) | Noted |  |
| REP | [S1-220008](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220008.zip) | ETSI | MCC Guidelines on writing a CR | Noted |  |
| REP | [S1-220009](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220009.zip) | SA1 Chair | Preparation for SA1#97e | Noted | Document presented at the conferences all in January. |
| Liaison Statements (including related contributions) |
| **Using CP-SOR as a secured information transfer mechanism e-Thread: [SA1#97e, LS S1-220046]** |
| TO | [S1-220046](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220046.zip) | C1-217163 | LS on Using CP-SOR as a secured information transfer mechanism between HPLMN and UE | Noted | Resolved with the corresponding CRs |
| CR | [S1-220109](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220109.zip) | Qualcomm  | 22.261v17.9.0 Alignment of SoR requirements for SNPN | Agreed | *WI code*  *Rel-17 CR0635R- Cat F* |
| CR | [S1-220110](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220110.zip) | Qualcomm  | 22.261v18.5.0 Alignment of SoR requirements for SNPN\_mirror | Agreed | *WI code TEI17 Rel-18 CR0636R- Cat A* |
| **MINT and Higher priority PLMN Selection e-Thread: [SA1#97e, LS S1-220049]** |
| TO | [S1-220049](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220049.zip) | C1-220816 | LS on MINT and Higher priority PLMN Selection | Postponed |  |
| OUT | [S1-220083](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220083.zip) | Samsung | [Draft] Reply LS on MINT and Higher priority PLMN Selection | Noted | 0083r3 approval day |
| Cont | [S1-220084](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220084.zip) | Samsung | Concerning Reply LS on MINT and Higher priority PLMN Selection | Noted |  |
| CR | [S1-220176](file:///C%3A%5CUsers%5Calmodovarchicojl%5CAppData%5CRoaming%5CMicrosoft%5CWord%5Cdocs%5CS1-220176.zip) | Samsung | Clarifications on PLMN search for FPLMN Registered UEs | Noted | 0176r1 approval day |
| OUT | [S1-220129](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220129.zip) | Apple | Reply LS on MINT and Higher priority PLMN Selection | Noted |  |
| Cont | [S1-220128](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220128.zip) | Apple | MINT and Higher priority PLMN Selection | Noted |  |
| **Application Enablement for Data Integrity Verification Service in IOT e-Thread: [SA1#97e, LS S1-220056]** |
| TO | [S1-220056](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220056.zip) | S3-214337 | LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | Replied in 0092r4 |  |
| OUT | [S1-220017](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220017.zip) | China Unicom | Draft of Reply LS to SA3 on Discussion on Data IntegrityService | Noted |  |
| Cont | [S1-220016](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220016.zip) | China Unicom | Discussion on Data Integrity Service in IOT of S3 LS | Noted |  |
| OUT | [S1-220092](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220092r4.zip) | Nokia, Nokia Shanghai Bell | reply LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | Revised to S1-220185 | 0092r4 agreed |
| OUT | [S1-220185](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220185.zip) | Nokia, Nokia Shanghai Bell | reply LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | Agreed | *Same as 0092r4*Revision of S1-220092. |
| **UAC enhancements and system information extensions for minimization of service interruption e-Thread: [SA1#97e, LS S1-220053]** |
| CC | [S1-220053](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220053.zip) | R2-2201841 | Reply LS on UAC enhancements and system information extensions for minimization of service interruption | Noted |  |
| OUT | [S1-220091](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220091.zip) | Lenovo, Motorola Mobility | Draft Reply LS on support of disaster roaming by PNI-NPN with CAG | Noted |  |
| Cont | [S1-220090](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220090.zip) | Lenovo, Motorola Mobility | Discussion on support of disaster roaming by PNI-NPN with CAG  | Noted |  |
| **Ad hoc group communication e-Thread: [SA1#97e, LS S1-220058]** |
| TO | [S1-220058](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220058.zip) | S6-212694 | LS on ad hoc group communication | Replied in 0165r3 |  |
| OUT | [S1-220165](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220165r2.zip) | Samsung | Reply LS on Ad hoc group communication | Revised to S1-220186 | 0165r3 agreed (No Draft and no Track changes) |
| OUT | [S1-220186](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220186.zip) | Samsung | Reply LS on Ad hoc group communication | Agreed | *Same as 0165r3* Revision of S1-220165. |
| **User Controlled PLMN Selector e-Thread: [SA1#97e, LS S1-220047]** |
| TO | [S1-220047](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220047.zip) | C1-217358 | LS on the User Controlled PLMN Selector with Access Technology in Control plane solution for steering of roaming in 5GS | Replied in 0162r2 |  |
| OUT | [S1-220162](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220162r1.zip) | Qualcomm | Reply LS to CT1 (cc SA3) on the User Controlled PLMN Selector for CP-SOR in 5GS | Revised to S1-220187 | 0162r2 agreed (answer is “SA1 could not reach consensus” + adding SA in CC). |
| OUT | [S1-220187](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220187.zip) | Qualcomm | Reply LS to CT1 (cc SA3) on the User Controlled PLMN Selector for CP-SOR in 5GS | Agreed | *Same as 0162r2* Revision of S1-220162. |
| CR | [S1-220163](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220163.zip) | Qualcomm | 22.011v17.5.0 Clarification of SoR requirements | Noted | *WI code TEI17 Rel-18 CR0331 R- Cat F* |
| CR | [S1-220164](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220164.zip) | Qualcomm | 22.011v18.1.0Clarification of SoR requirements | Noted | *WI code TEI17 Rel-18 CR0332R- Cat A* |
| **5G RG requirements and its remote management e-Thread: [SA1#97e, LS S1-220051]** |
| TO | [S1-220051](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220051.zip) | LIAISE-483 | Alignment concerning 5G RG requirements and its remote management | Replied in 0172r2 |  |
| OUT | [S1-220172](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220172r2.zip) | Deutsche Telekom | Proposed answer to LIASE-483 from BBF / S1-220051 | Revised to S1-220188 | 0172r2 agreed |
| OUT | [S1-220188](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220188.zip) | Deutsche Telekom | Proposed answer to LIASE-483 from BBF / S1-220051 | Agreed | *Same as 0172r2*Revision of S1-220172. |
| **Applications of IMT for specific societal, industrial and enterprise usages. e-Thread: [SA1#97e, LS S1-220062]** |
| CC | [S1-220062](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220062.zip) | SP-211412 | LS from ITU-R WP5D: Development of a draft new Report ITU-R M.[IMT.INDUSTRY] -Applications of IMT for specific societal, industrial and enterprise usages. To be forward to SA WG1 | Email Approval | Email approval. Moderated by Xu Xia. Dates:**Discussion** Sun27th  23:00 UTC -Fri 4th 23:00 UTC**Final version** by Sun 6th 23:00 UTC**Approval day** from Sun 6th 23:00 UTC till Mon 7th 23:00 UTC (March) |
| Cont | [S1-220113](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220113r2.zip) | Qualcomm Incorporated | Proposal for input to ITU-R on IMT-Industries | Revised to S1-220189 | Moved from 8E-mail approval pending.  |
| Cont | [S1-220189](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220189.zip) | Qualcomm Incorporated | Proposal for input to ITU-R on IMT-Industries | Noted | *Moved from 8**E-mail approval pending.* Revision of S1-220113. |
| OUT | S1-220181 | Qualcomm Incorporated | Draft LS to SA Proposal for input to ITU-R on IMT-Industries | Revised to S1-220182 |  |
| OUT | [S1-220182](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220182.zip) | Qualcomm Incorporated | LS to SA Proposal for input to ITU-R on IMT-Industries | Email Approval | Revision of S1-220181.Email approval. Moderated by Xu Xia. Dates:**Discussion** Sun27th  23:00 UTC -Fri 4th 23:00 UTC**Final version** by Sun 6th 23:00 UTC**Approval day** from Sun 6th 23:00 UTC till Mon 7th 23:00 UTC (March) |
| **IMS emergency communication improvement e-Thread: [SA1#97e, LS S1-220052]** |
| TO | [S1-220052](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220052.zip) | NRG\_012\_204 | LS reply from NRG to 3GPP on IMS emergency communication improvement - SMS | Postponed |  |
| **Haptics e-Thread: [SA1#97e, LS S1-220173]** |
| TO | [S1-220173](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220173.zip) | ISO/IEC JTC 1/SC 29/WG 2 N00172 | LS on Haptics | Replied in 0175r2 |  |
| OUT | S1-220175 | China Mobile | LS answer on Haptics | Revised to S1-220190 | 0175r2 agreed (no draft and no track changes) |
| OUT | [S1-220190](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220190.zip) | China Mobile | LS answer on Haptics | Agreed | *Same as 0175r2*Revision of S1-220175. |
| **Inc****o****ming LSs proposed to be noted [CC and others] e-Thread: [SA1#97e, LS ToNote]** |
| TO | [S1-220063](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220063.zip) | SP-211621 | LS on Energy Efficiency as guiding principle for new solutions | Noted |  |
| CC | [S1-220065](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220065.zip) | S5-211483 | Reply LS on energy efficiency as guiding principle for new solutions | Noted |  |
| TO | [S1-220055](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220055.zip) | S3-214336 | Reply to LS on broadcast of NTN GW or gNB position | Noted |  |
| TO | [S1-220060](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220060.zip) | SG15-LS348 | LS/r on Time Synchronization support in 3GPP specification (reply to 3GPP TSG SA2-2106786-LS02) | Noted |  |
| TO | [S1-220044](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220044.zip) | BOARDTREND(21)010005r2 | ETSI Technology Radar, status and request for feed-back | Noted |  |
| TO | [S1-220050](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220050.zip) | ESTF 02\_102r1 | LS informing partner groups of ESTF creation | Noted |  |
| CC | [S1-220045](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220045.zip) | C1-217150 | Use, if any, of network provided "Indication of country of UE location" | Noted |  |
| CC | [S1-220048](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220048.zip) | C1-217451 | LS on validity of cause value #78 | Noted |  |
| CC | [S1-220054](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220054.zip) | S2-2109254 | Reply LS on limited service availability of an SNPN | Noted |  |
| CC | [S1-220057](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220057.zip) | S5-216412 | Reply LS on Prioritized Vehicle to Cloud Technical Solutions (Automotive Edge Computing Consortium (AECC)) | Noted |  |
| CC | [S1-220059](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220059.zip) | S6-212805 | Reply LS on Private call forwarding | Noted |  |
| CC | [S1-220061](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220061.zip) | SP-211247 | APT REPORT ON EMERGING CRITICAL APPLICATIONS & USE CASES OF IMT FOR INDUSTRIAL, SOCIETAL AND ENTERPRISE USERS | Noted |  |
| CC | [S1-220064](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220064.zip) | TSG46\_028 | Reply LS on IMEI for Non-Public Networks/Private Networks without using USIM | Noted |  |
| New Study and Work Items (including related contributions) |
| **FS\_Sensing: Integrated Sensing and Communication e-Thread: [SA1#97e, SID\_R19 – FS\_Sensing]** |
| SID | [S1-220144](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220144r4.zip) | China Mobile, Xiaomi, Qualcomm | New SID on Integrated Sensing and Communication | Revised to S1-220191 | 0144r6 agreed (track changes, typos, rapporteur, supporting company) |
| SID | [S1-220191](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220191.zip) | China Mobile, Xiaomi, Qualcomm | New SID on Integrated Sensing and Communication | Agreed | *Same as 0144r6* Revision of S1-220144. |
| Cont | [S1-220146](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220146r1.zip) | China Mobile | Discussions on Sensing SID proposals | Noted |  |
| Cont | [S1-220133](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220133.zip) | Xiaomi | Integrated Sensing and Communication | Noted |  |
| Cont | [S1-220094](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220094.zip) | Qualcomm  | Cooperative Sensing and Communication - Motivations | Noted |  |
| Cont | [S1-220029](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220029r1.zip) | vivo | Discussion on Network based Sensing Service | Noted | Please keep 3-4 slides |
| Cont | [S1-220108](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220108.zip) | OPPO | Discussion on Sensing Scenario and Use Case  | Noted |  |
| Cont | [S1-220140](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220140r1.zip) | Huawei | Discussion Paper: 5G-Advanced Harmonized Sensing and Communication Service  | Noted | Please keep 3-4 slides |
| Cont | [S1-220147](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220147.zip) | China Mobile, Xiaomi, Qualcomm | FS\_ICS Skeleton | Noted |  |
| Cont | [S1-220134](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220134.zip) | Xiaomi | Skeleton of Integrated Sensing and Communication | Noted |  |
| Cont | [S1-220132](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220132.zip) | Huawei  | Sensing used in home intelligence | Noted |  |
| Cont | [S1-220121](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220121.zip) | HuaWei  | New use case: Sensing for Smart Transportation | Noted |  |
| **FS\_PassIoT: Passive IoT e-Thread: [SA1#97e, SID\_R19 – FS\_PassIoT]** |
| SID | [S1-220118](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220118r10.zip) | OPPO | New SID: Study on Energy Harvesting enabled Communication Services in 5GS | Revised to S1-220192 | 0118r11 agreed (new Acronym, new line in justification, proper name of Ambient IoT throught the whole text ) |
| SID | [S1-220192](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220192.zip) | OPPO | New SID: Study on Energy Harvesting enabled Communication Services in 5GS | Agreed | *Same as 0118r11* Revision of S1-220118. |
| SID | [S1-220157](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220157.zip) | KPN | New SID on Passive Internet of Things for 5G Advanced | Merge into 0118r1 |  |
| Cont | [S1-220119](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220119r1.zip) | OPPO | Motivation on support Energy Harvesting enabled Communication services in 5GS | Noted |  |
| Cont | [S1-220135](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220135.zip) | Alibaba  | Motivation of supporting Passive IoT | Noted |  |
| Cont | [S1-220028](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220028r1.zip) | vivo | Discussion on Passive IoT | Noted | Please keep 3-4 slides |
| Cont | [S1-220120](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220120.zip) | OPPO | TR skeleton for New SID on Study on Energy Harvesting enabled Communication Services (EHECS) in 5GS | Noted |  |
| Cont | [S1-220158](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220158.zip) | KPN | Skeleton for Passive IoT TR | Noted |  |
| Cont | [S1-220159](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220159.zip) | KPN | Pseudo-CR on Scope for Passive IoT TR | Noted |  |
| Cont | [S1-220154](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220154.zip) | Huawei  | Passive IoT in intralogistics for automobile manufacturing | Noted |  |
| **Enhancing 5G system integrating with** **satellite e-Thread: [SA1#97e, SID\_R19 – FS\_5GSAT\_Ph3]** |
| SID | [S1-220178](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220178r2.zip) | Moderator (5GSAT\_ph3) | Merged SID on 5GSAT\_ph3 | Revised to S1-220193 | 0178r2 approval day |
| SID | [S1-220193](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220193.zip) | Moderator (5GSAT\_ph3) | Merged SID on 5GSAT\_ph3 | Noted | Revision of S1-220178. |
| SID | [S1-220126](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220126.zip) | THALES | Enhancing 5G system to support additional satellite capabilities | Merged into 0178 |  |
| SID | [S1-220116](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220116.zip) | China Telecom, CATT | New SID on enhancing 5G system integrating with satellite | Merged into 0178 |  |
| Cont | [S1-220131](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220131.zip) | THALES | Motivation for a SID on enhancing 5G system to support additional satellite capabilities for Rel- 19 | Noted |  |
| Cont | [S1-220020](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220020.zip) | THALES, TNO, ESA, Gatehouse, Sateliot, Hughes Network systems, Novamint, Hispasat, Airbus, Omnispace, Avanti, CEWiT, Eutelsat, SA Catapult, Viasat, Kepler, Inmarsat, Lockheed Martin, Leonardo, Intelsat | Additional satellite capabilities for Rel-19 | Noted |  |
| Cont | [S1-220115](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220115r1.zip) | China Telecom, CATT | Discussion on Enhancing 5G System Integrating with Satellite for Rel-19 | Noted | Please keep 3-4 slides |
| Cont | [S1-220082](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220082.zip) | China Mobile  | Discussion on traffic scheduling in terrestrial and satellite converged network | Noted |  |
| Cont | [S1-220098](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220098.zip) | Xiaomi | Discussion on satellite enhancement for Rel-19 | Noted |  |
| Cont | [S1-220153](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220153.zip) | THALES, NOVAMINT | TR skeleton for Study on enhancing 5G system to support additional satellite capabilities | Noted |  |
| Cont | [S1-220117](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220117.zip) | China Telecom, CATT | Skeleton of Study on enhancing 5G system integrating with satellite | Noted |  |
| **FS\_CAN: Computing force aware network e-Thread: [SA1#97e, SID\_R19 – FS\_CAN]**  |
| SID | [S1-220072](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220072r5.zip) | China Mobile, China Telecom, vivo | New SID on supporting computing aware network | Revised to S1-220194 | 0072r5 approval day |
| SID | [S1-220194](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220194.zip) | China Mobile, China Telecom, vivo | New SID on supporting computing aware network | Noted | Revision of S1-220072. |
| Cont | [S1-220032](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220032.zip) | China Telecom | Discussion paper on mobile Computing Aware Network | Noted |  |
| Cont | [S1-220074](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220074.zip) | China Mobile  | Motivation of supporting computing aware network | Noted |  |
| Cont | [S1-220027](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220027r1.zip) | vivo | Discussion on mobile computation force network | Noted | Please keep 3-4 slides. |
| Cont | [S1-220078](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220078.zip) | China Mobile  | TR Skeleton of New SID on supporting computing aware network | Noted |  |
| **FS\_Metaverse: Mobile Metaverse Services e-Thread: [SA1#97e, SID\_R19 – FS\_Metaverse]** |
| SID | [S1-220086](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220086r13.zip) | Samsung, LG Uplus, Tencent, KDDI, Orange, Dish Network, KT Corp, FirstNet, Charter Communications, AT&T | Study on Mobile Metaverse Services | Revised to S1-220195 | 0086r14 agreed (with no track changes + correct vivo + AN impact as yes +new supporting companies Sony, Qualcomm, Huawei, China Telecom, Interdigital, China Unicom) |
| SID | [S1-220195](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220195.zip) | Samsung, LG Uplus, Tencent, KDDI, Orange, Dish Network, KT Corp, FirstNet, Charter Communications, AT&T | Study on Mobile Metaverse Services | Agreed | *Same as 0086r14* Revision of S1-220086. |
| Cont | [S1-220087](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220087.zip) | Samsung | Mobile Metaverse Services | Noted |  |
| Cont | [S1-220088](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220088.zip) | Samsung | Draft Skeleton for TR for Study on Mobile Metaverse Services | Noted |  |
| Cont | [S1-220089](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220089.zip) | Samsung | Pseudo-CR on Scope for the FS\_Metaverse TR | Noted |  |
| **FS\_Hologra: 5G enabling naked eye holography service e-Thread: [SA1#97e, SID\_R19 – FS\_Hologra]** |
|  SID | [S1-220011](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220011r2.zip) | China Mobile  | New SID on 5G enabling naked eye holography service | Noted |  |
| Cont | [S1-220012](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220012r2.zip) | China Mobile  | 5G enabling naked eye holography service | Noted | Please keep 3-4 slides. |
| Cont | [S1-220041](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220041.zip) | China Mobile  | pCR FS\_NEHS Skeleton | Noted |  |
| Cont | [S1-220042](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220042.zip) | China Mobile  | pCR FS\_NEHS Scope | Noted |  |
| **FS\_NetShare: Network sharing in 5GS e-Thread: [SA1#97e, SID\_R19 –FS\_NetShare]** |
| SID | [S1-220013](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220013r9.zip) | China Unicom | New study on network sharing in 5GS | Revised to S1-220196 | 0013r10 agreed (Remove Feasibility from titles + No track changes + Qualcomm not in the supporting list + correct vivo) |
| SID | [S1-220196](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220196.zip) | China Unicom | New study on network sharing in 5GS | Agreed | *Same as 0013r10*Revision of S1-220013. |
| Cont | [S1-220014](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220014r2.zip) | China Unicom | Update of Discussion paper of network sharing in 5G | Noted | Please keep 3-4 slides. |
| **FS\_FRMCS\_Ph3: FRMCS Evolution Phase 3 e-Thread: [SA1#97e, SID\_R19 – FS\_FRMCS\_Ph3]** |
| SID | [S1-220018](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220018r2.zip) | UIC | New study on FRMCS Evolution Phase 3 | Revised to S1-220197 | r3 agreed (adapt title, not track changes, section of other aspects without other WGs, adding supporting). |
| SID | [S1-220197](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220197.zip) | UIC | New study on FRMCS Evolution Phase 3 | Agreed | *Same as 0018r3*  |
| Cont | [S1-220019](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220019.zip) | UIC | Motivation for Rel-19 SID proposal on FS\_eFRMCS2 | Noted |  |
| **FS\_DisData: 5G enabled Distributed Data Management e-Thread: [SA1#97e, SID\_R19 – FS\_DisData]** |
| SID | [S1-220022](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220022r6.zip) | ZTE  | New study on 5G enabled Distributed Data Management | Revised to S1-220198 | 0022r7  |
| SID | [S1-220198](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220198.zip) | ZTE  | New study on 5G enabled Distributed Data Management | Noted | Revision of S1-220022. |
| Cont | [S1-220021](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220021.zip) | ZTE  | Discussion paper for 5G enabled Distributed Data Management | Noted |  |
| Cont | [S1-220023](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220023.zip) | ZTE  | 5G-DDM skeleton | Noted |  |
| **FS\_LocalMesh:** **Mesh based Local Communication Service e-Thread: [SA1#97e, SID\_R19 – FS\_LocalMesh]** |
| SID | [S1-220025](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220025r1.zip) | ZTE  | New study on Mesh based Local Communication Service | Merge into 0077r4 |  |
| Cont | [S1-220024](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220024.zip) | ZTE  | Discussion: Mesh based Local Communication Service | Noted |  |
| Cont | [S1-220026](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220026.zip) | ZTE | MeshLCS skeleton | Noted |  |
| **FS\_NomRelay: Enhancement of Relay Communication for eMBB e-Thread: [SA1#97e, SID\_R19 –FS\_NomRelay]** |
| SID | [S1-220077](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220077r4.zip) | China Telecom  | New SID on Enhancement of Relay Communication for eMBB | Revised to S1-220199 | 0077r4 approval day |
| SID | [S1-220199](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220199.zip) | China Telecom  | New SID on Enhancement of Relay Communication for eMBB | Noted | Revision of S1-220077. |
| Cont | [S1-220080](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220080.zip) | China Telecom  | Discussion on Enhancement of Relay Communication for eMBB | Noted |  |
| Cont | [S1-220081](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220081.zip) | China Telecom  | TR skeleton for relay enhancement for eMBB | Noted |  |
| **FS\_MobRelay: New SID on Mobile Relay Service e-Thread: [SA1#97e, SID\_R19 – FS\_MobRelay]** |
| SID | [S1-220138](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220138r1.zip) | Xiaomi  | New SID on Mobile Relay Service | Revised to S1-220200 | 0138r1 approval day |
| SID | [S1-220200](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220200.zip) | Xiaomi  | New SID on Mobile Relay Service | Noted | Revision of S1-220138. |
| Cont | [S1-220139](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220139.zip) | Xiaomi  | DP on Mobile Relay Service | Noted |  |
| **FS****\_PINVR: Personal IoT Networks with vehicles in roaming e-Thread: [SA1#97e, SID\_R19 – FS\_PINVR]** |
| SID | [S1-220031](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220031r6.zip) | vivo | Study on Personal IoT Networks with vehicles in roaming | Revised to S1-220201 | 0031r6 approval day |
| SID | [S1-220201](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220201.zip) | vivo | Study on Personal IoT Networks with vehicles in roaming | Noted | Revision of S1-220031. |
| Cont | [S1-220030](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220030r1zip) | vivo | Discussion on Personal IoT Networks with vehicles in roaming | Noted |  |
| **FS\_MINT\_CNF: Support for Minimization of Service Interruption during Core Network Failure e-Thread: [SA1#97e, SID\_R19 – FS\_MINT\_CNF]** |
| SID | [S1-220034](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220034r5.zip) | China Telecom | New SID on Support for Minimization of Service Interruption during Core Network Failure | Revised to S1-220202 | 0034r5 approval day |
| SID | [S1-220202](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220202.zip) | China Telecom | New SID on Support for Minimization of Service Interruption during Core Network Failure | Noted | Revision of S1-220034. |
| Cont | [S1-220035](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220035r1.zip) | China Telecom | Discussion Paper on Support for Minimization of Service Interruption during Core Network Failure | Noted |  |
| Cont | [S1-220036](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220036.zip) | China Telecom | Skeleton on Support for Minimization of Service Interruption during Core Network Failure | Noted |  |
| **FS\_AIML\_UE: UE-Network coordinated AI/ML Service e-Thread: [SA1#97e, SID\_R19 –FS\_AIML\_UE]** |
| SID | [S1-220039](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220039r8.zip) | OPPO | New WID on study on UE-Network coordinated AI/ML Service | Revised to S1-220183 | 0039r9 agreed (proper stage 1 terminology + proper acronym+ remove of the note)  |
| SID | [S1-220183](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220183.zip) | OPPO | New WID on study on UE-Network coordinated AI/ML Service | Revised to S1-220184 | *Same as 0039r9*Revision of S1-220039. |
| SID | [S1-220184](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220184.zip) | OPPO | New WID on study on UE-Network coordinated AI/ML Service | Agreed | *Same as 0039r9**Revision of S1-220039.*Revision of S1-220183. |
| Cont | [S1-220038](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220038r2.zip) | OPPO | Discussion on UE-Network coordinated AI/ML Service | Noted |  |
| Cont | [S1-220037](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220037.zip) | OPPO | TR skeleton for potential R19 study on UE-Network coordinated AI/ML Service | Noted |  |
| **FS\_LiMigr: Live Migratable Services in the 5G System e-Thread: [SA1#97e, SID\_R19 – FS\_LiMigr]** |
| SID | [S1-220070](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220070r2.zip) | China Telecom | New study on Live Migratable Services in the 5G System | Revised to S1-220203 | 0070r2 approval day |
| SID | [S1-220203](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220203.zip) | China Telecom | New study on Live Migratable Services in the 5G System | Noted | Revision of S1-220070. |
| Cont | [S1-220071](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220071.zip) | China Telecom | Discussion on Live Migratable Services in the 5G System | Noted |  |
| Cont | [S1-220073](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220073.zip) | China Telecom | TR skeleton for potential R19 study on Live Migratable Services in the 5G System | Noted |  |
| **FS\_ReduCarb: System Enhancement for Reducing Carbon Emission e-Thread: [SA1#97e, SID\_R19 – FS\_ReduCarb]** |
| SID | [S1-220075](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220075r11.zip) | China Mobile  | New SID on System Enhancement for Reducing Carbon Emission | Revised to S1-220204 | 0075r11 approval day |
| SID | [S1-220204](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220204.zip) | China Mobile  | New SID on System Enhancement for Reducing Carbon Emission | Noted | Revision of S1-220075. |
| Cont | [S1-220076](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220076r3.zip) | China Mobile  | Motivation of study on System Enhancement for Reducing Carbon Emission | Noted | Please keep 3-4 slides. |
| Cont | [S1-220079](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220079.zip) | China Mobile  | TR Skeleton of New SID on System Enhancement for Reducing Carbon Emission | Noted |  |
| **FS\_MPS4txt: Feasibility Study on MPS for Text Messages e-Thread: [SA1#97e, SID\_R19 – FS\_MPS4txt]** |
| SID | [S1-220095](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220095r3.zip) | Peraton Labs, CISA, T-Mobile US, Verizon, AT&T | New WID on Feasibility Study on MPS for Text Messages | Noted |  |
| Cont | [S1-220096](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220096.zip) | Peraton Labs | Presentation of New WID on Feasibility Study on MPS for Text Messages  | Noted |  |
| Cont | [S1-220097](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220097.zip) | Peraton Labs, CISA, T-Mobile US, Verizon, AT&T | Skeleton for Feasibility Study on MPS for Text Messages | Noted |  |
| **FS\_EOS: Study on 5G Enabled Open-SON e-Thread: [SA1#97e, SID\_R19 – FS\_EOS]** |
| SID | [S1-220106](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220106r2.zip) | Reliance Jio | New SID on 5G Enabled Open-SON | Revised to S1-220205 | 0106r2 approval day |
| SID | [S1-220205](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220205.zip) | Reliance Jio | New SID on 5G Enabled Open-SON | Noted | Revision of S1-220106. |
| Cont | [S1-220102](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220102.zip) | Reliance Jio | 5G Enabled Open-SON | Noted | Please keep 3-4 slides |
| **FS\_** **ULTRAS: Upper Layer TRaffic Aggregation and Steering e-Thread: [SA1#97e, SID\_R19 – FS\_** **ULTRAS]** |
| SID | [S1-220111](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220111r6.zip) | Qualcomm  | New SID on ULTRAS | Revised to S1-220206 | 0111r6 approval day |
| SID | [S1-220206](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220206.zip) | Qualcomm  | New SID on ULTRAS | Noted | Revision of S1-220111. |
| Cont | [S1-220112](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220112r1.zip) | Qualcomm  | ULTRAS - motivations | Noted |  |
| **FS\_HostNet: supporting enhanced services configuration in hosting networks e-Thread: [SA1#97e, SID\_R19 –FS\_HostNet]** |
| SID | [S1-220122](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220122r1.zip) | Lenovo | Study on supporting enhanced services configuration in a hosting network | Noted |  |
| Cont | [S1-220123](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220123r1.zip) | Lenovo  | Motivation for study on supporting enhanced services configuration in a hosting network | Noted |  |
| Cont | [S1-220124](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220124.zip) | Lenovo | TR skeleton for study on supporting enhanced services configuration in a hosting network | Noted |  |
| **FS\_Cloud: enhancement of 5GC based on Cloud Native e-Thread: [SA1#97e, SID\_R19 –FS\_Cloud]** |
| SID | [S1-220127](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220127r3.zip) | Alibaba  | Study on enhancement of 5GC based on Cloud Native | Revised to S1-220207 | 0127r3 approval day |
| SID | [S1-220207](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220207.zip) | Alibaba  | Study on enhancement of 5GC based on Cloud Native | Noted | Revision of S1-220127. |
| Cont | [S1-220130](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220130r1.zip) | Alibaba  | Discussion on enhancement of 5GC based on Cloud Native | Noted |  |
| **FS\_UAS\_Ph3: Additional capabilities of mobile networks for drone operations and management e-Thread: [SA1#97e, SID\_R19 – FS\_UAS\_Ph2]** |
| SID | [S1-220141](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220141r8.zip) | China Mobile  | New SID on Additional capabilities of mobile networks for drone operations and management | Revised to S1-220208 | 0141r9  |
| SID | [S1-220208](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220208.zip) | China Mobile  | New SID on Additional capabilities of mobile networks for drone operations and management | Noted | Revision of S1-220141. |
| Cont | [S1-220142](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220142r2.zip) | China Mobile  | Motivation of Additional capabilities of mobile networks for drone operations and management | Noted |  |
| Cont | [S1-220143](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220143.zip) | China Mobile  | FS\_DOM Skeleton | Noted |  |
| **FS\_SOBOT: 5G System Support for a Network of Service Robots with Ambient Intelligence e-Thread: [SA1#97e, SID\_R19 – FS\_SOBOT]** |
| SID | [S1-220149](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220149r12.zip) | LG Electronics  | Study on 5G System Support for a Network of Service Robots with Ambient Intelligence | Revised to S1-220210 | 0149r10 approval day |
| SID | [S1-220210](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220210.zip) | LG Electronics  | Study on 5G System Support for a Network of Service Robots with Ambient Intelligence | Noted | Revision of S1-220149. |
| Cont | [S1-220151](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220151.zip) | LG Electronics . | SOBOT - Presentation | Noted |  |
| Cont | [S1-220150](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220150.zip) | LG Electronics  | SOBOT - TR Skeleton | Noted |  |
| Cont | [S1-220152](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220152.zip) | LG Electronics  | SOBOT - Use Case example | Noted | Late document |
| **FS\_MUS: 5GS supporting Mobile User Service e-Thread: [SA1#97e, SID\_R19 – FS\_MUS]** |
| SID | [S1-220148](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220148r3.zip) | Xiaomi | Study on 5GS supporting Mobile User Service | Revised to S1-220209 | 0148r3 approval day |
| SID | [S1-220209](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220209.zip) | Xiaomi | Study on 5GS supporting Mobile User Service | Noted | Revision of S1-220148. |
| Cont | [S1-220145](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220145r02.zip) | Xiaomi | Discussion for Study on 5GS supporting for Mobile User Service (FS\_5GMUS) | Noted |  |
| **FS\_RAILSS [Continuation from Rel18] e-Thread: [SA1#97e, SID\_R19 – FS\_RAILSS]** |
| Cont | [S1-220161](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220161r3.zip) | Hansung University | RAILSS activity planning | Noted | *Moved from 8**0161r3* approval day |
| SID | [S1-220180](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220180.zip) | Hansung University | Revised WID on Study on Supporting of Railway Smart Station Services (FS\_RAILSS) | Noted |  |
| CR | [S1-220066](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220066.zip) | Kyonggi University | 22.280v18.0.0 Addition of definition regarding location with minor editorial correction in Definitions | Noted | *Moved from 6.1**WI code* RAILSS *Rel-18 CR0150R- Cat B* |
| CR | [S1-220067](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220067.zip) | Kyonggi University | 22.280v18.0.0 Addition of one requirement regarding location | Noted | *Moved from 6.1**WI code* RAILSS *Rel-18 CR0151R- Cat B* |
| Cont | [S1-220155](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220155.zip) | Hansung University | suggest-definitions-of-railss | Noted | *Moved from 6.1* |
| Cont | [S1-220156](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220156.zip) | Hansung University | sugest overview of RAILSS | Noted | *Moved from 6.1* |
| **Mini-WIDs**  |
| WID | [S1-220068](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220068r1.zip) | Saankhya Labs, IIT Bombay | Usage of Non-3GPP NTN for Multicast Broadcast Services (MBS) in 5GS | Revised to S1-220211 | **e-Thread: [SA1#97e, mWID\_R19 –Sat4MBS]** |
| WID | [S1-220211](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220211.zip) | Saankhya Labs, IIT Bombay | Usage of Non-3GPP NTN for Multicast Broadcast Services (MBS) in 5GS | Noted | ***e-Thread: [SA1#97e, mWID\_R19 – Sat4MBS]***Revision of S1-220068. |
| CR | [S1-220167](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220167.zip) | Saankhya Labs, IIT Bombay | 22.261v18.5.0 Usage of Non-3GPP NTN for Multicast Broadcast Services in 5GS | Revised to S1-220212 | **e-Thread: [SA1#97e, mWID\_R19 –Sat4MBS]***WI code* XXXX *Rel-19 CR0638R- Cat X* |
| CR | [S1-220212](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220212.zip) | Saankhya Labs, IIT Bombay | 22.261v18.5.0 Usage of Non-3GPP NTN for Multicast Broadcast Services in 5GS | Noted | ***e-Thread: [SA1#97e, mWID\_R19 – Sat4MBS]****WI code XXXX Rel-19 CR0638R- Cat X*Revision of S1-220167. |
| Cont | [S1-220166](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220166.zip) | Saankhya Labs, IIT Bombay | Usage of Non-3GPP NTN for Multicast Broadcast Services in 5GS | Revised to S1-220213 | **e-Thread: [SA1#97e, mWID\_R19 –Sat4MBS]** |
| Cont | [S1-220213](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220213.zip) | Saankhya Labs, IIT Bombay | Usage of Non-3GPP NTN for Multicast Broadcast Services in 5GS | Noted | ***e-Thread: [SA1#97e, mWID\_R19 – Sat4MBS]***Revision of S1-220166. |
| WID | [S1-220069](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220069.zip) | Saankhya Labs, IIT Bombay | Usage of Non-3GPP DTT Broadcast Networks for Multicast/Broadcast Services (MBS) in 5GS | Noted | **e-Thread: [SA1#97e, mWID\_R19 –DTTB4MBS]** |
| CR | [S1-220169](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220169.zip) | Saankhya Labs, IIT Bombay | 22.261v18.5.0 Usage of Non-3GPP DTT Broadcast Networks for Multicast/Broadcast Services (MBS) in 5GS | Noted | **e-Thread: [SA1#97e, mWID\_R19 –DTTB4MBS]***WI code* XXXX *Rel-19 CR0639R- Cat X* |
| Cont | [S1-220168](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220168.zip) | Saankhya Labs, IIT Bombay | Usage of Non-3GPP DTT Broadcast Networks for Multicast/Broadcast Services (MBS) in 5GS | Noted | **e-Thread: [SA1#97e, mWID\_R19 –DTTB4MBS]** |
| WID | [S1-220160](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220160.zip) | TNO, one2many | New WID on Device Based Geofencing for EU-ALERT | Noted | **e-Thread: [SA1#97e, mWID\_R19 – GEOFEU]** |
| CR | [S1-220010](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220010.zip) | TNO | 22.268v16.4.0 Device based geo-fencing for EU-alert | Noted | **e-Thread: [SA1#97e, mWID\_R19 – GEOFEU]***WI code* GEOFEU *Rel-19 CR0068R- Cat B* |
| SID | [S1-220099](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220099.zip) | Reliance Jio | New SID on 5G Enabled Open-SON | Withdrawn |  |
| SID | [S1-220137](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220137.zip) | Xiaomi  | New SID on Mobile Relay Service | 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. |
| CR | [S1-220043](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220043.zip) | China Mobile  | 22.262v17.0.0 Non-inclusive language replacement | Revised to S1-220214 | **e-Thread: [SA1#97e, CR\_Quality- 1]***WI code*  *Rel-17 CR0002R- Cat D**0043 agreed* |
| CR | [S1-220214](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220214.zip) | China Mobile  | 22.262v17.0.0 Non-inclusive language replacement | Agreed | ***e-Thread: [SA1#97e, CR\_Quality- 1]****WI code TEI17 Rel-17 CR0002R- Cat D**Same as 0043*Revision of S1-220043**.** |
| CR | [S1-220136](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220136.zip) | Huawei | 22.125v17.5.0 Editorial corrections to TS 22.125 on UAV | Revised to S1-220215 | **e-Thread: [SA1#97e, CR\_Quality- 2]***WI code* ID\_UAS *Rel-17 CR0043R- Cat D**0136r1 agreed* |
| CR | [S1-220215](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220215.zip) | Huawei | 22.125v17.5.0 Editorial corrections to TS 22.125 on UAV | Agreed | ***e-Thread: [SA1#97e, CR\_Quality- 2]****WI code ID\_UAS Rel-17 CR0043R- Cat D**Same as 0136r1*Revision of S1-220136. |
| CR | [S1-220100](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220100.zip) | Huawei | 22.847v18.1.0 Editorial corrections for quality improvement | Revised to S1-220216 | **e-Thread: [SA1#97e, CR\_Quality- 3]***WI code* FS\_TACMM *Rel-18 CR0014R- Cat D**0100r1 agreed* |
| CR | [S1-220216](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220216.zip) | Huawei | 22.847v18.1.0 Editorial corrections for quality improvement | Agreed | ***e-Thread: [SA1#97e, CR\_Quality- 3]****WI code FS\_TACMM Rel-18 CR0014R- Cat D**Same as 0100r1* Revision of S1-220100. |
| CR | [S1-220101](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220101r4.zip) | Huawei | 22.261v18.5.0 Update the use of ‘may’ and ‘can’ for quality improvement | Revised to S1-220217 | **e-Thread: [SA1#97e, CR\_Quality- 4]***WI code* TEI18 *Rel-18 CR0632R- Cat F**0101r5 agreed (no track changes on cover page)* |
| CR | [S1-220217](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220217.zip) | Huawei | 22.261v18.5.0 Update the use of ‘may’ and ‘can’ for quality improvement | Agreed | ***e-Thread: [SA1#97e, CR\_Quality- 4]****WI code TEI18 Rel-18 CR0632R- Cat F**Same as 0101r5* Revision of S1-220101. |
| CR | [S1-220104](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220104.zip) | Huawei | 22.011v18.1.0 Clean-up of the references for quality improvement | Agreed | **e-Thread: [SA1#97e, CR\_Quality- 5]***WI code* TEI18 *Rel-18 CR0330R- Cat D* |
| Rel-18 and earlier contributions |
| Rel-18 correction and clarification CRs |
| CR | [S1-220015](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5CDocs%5CS1-220015.zip) | UIC | 22.280v18.0.0 Enhanced MCX Service Ad hoc Group Communication to support Railway needs | Agreed | ***e-Thread:* [SA1#97e, CR\_Rel18- 1]***WI code* TEI18 *Rel-18 CR0149R- Cat C* |
| CR | [S1-220033](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220033.zip) | UIC | 22.989v18.3.0 Adding MCX Service Ad hoc Group Communication as alternative capability to support Railway Emergency Communication | Revised to S1-220218 | ***e-Thread:* [SA1#97e, CR\_Rel18- 1]***WI code* TEI18 *Rel-18 CR0012R- Cat B**033r1 agreed* |
| CR | [S1-220218](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220218.zip) | UIC | 22.989v18.3.0 Adding MCX Service Ad hoc Group Communication as alternative capability to support Railway Emergency Communication | Agreed | ***e-Thread: [SA1#97e, CR\_Rel18- 1]****WI code TEI18 Rel-18 CR0012R- Cat B**Same as 033r1* Revision of S1-220033. |
| CR | [S1-220040](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220040.zip) | Ericsson | 22.261v18.5.0 Clarification of terminology for localized services | Revised to S1-220219 | ***e-Thread:* [SA1#97e, CR\_Rel18- 2]***WI code* PALS *Rel-18 CR0630R- Cat F*0040r1 (adding Qualcomm) |
| CR | [S1-220219](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220219.zip) | Ericsson | 22.261v18.5.0 Clarification of terminology for localized services | Agreed | ***e-Thread: [SA1#97e, CR\_Rel18- 2]****WI code PALS Rel-18 CR0630R- Cat F**0040r1 (adding Qualcomm)*Revision of S1-220040. |
| CR | [S1-220093](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220093r2.zip) | Qualcomm  | 22.261v18.5.0 Correction to CPN Requirements | Revised to S1-220220 | ***e-Thread:* [SA1#97e, CR\_Rel18- 3]***WI code* PIRATES *Rel-18 CR0631R- Cat F**R2 agreed* |
| CR | [S1-220220](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220220.zip) | Qualcomm  | 22.261v18.5.0 Correction to CPN Requirements | Agreed | ***e-Thread: [SA1#97e, CR\_Rel18- 3]****WI code PIRATES Rel-18 CR0631R- Cat F**Same as 0220r2*Revision of S1-220093. |
| CR | [S1-220114](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220114r1.zip) | NTT DOCOMO  | 22.261v18.5.0 Addition of requirement to utilize a widely-used mechanism for authorization at northbound API | Noted | ***e-Thread:* [SA1#97e, CR\_Rel18- 4]***WI code* SNA *Rel-18 CR0637R- Cat F* |
| **AMMT**  |
| CR | [S1-220103](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220103.zip) | OPPO | 22.874v18.2.0 Clarification of KPI  | Noted | ***e-Thread:* [SA1#97e, CR\_Rel18- 5]***WI code* AMMT *Rel-18 CR007R- Cat F**Wrong title CR* |
| CR | [S1-220105](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220105r3.zip) | OPPO | 22.261v18.5.0 Clarification of KPI in TS22.261 clause 7.10 for AMMT use case | Revised to S1-220221 | ***e-Thread:* [SA1#97e, CR\_Rel18- 6]***WI code* AMMT *Rel-18 CR0633R- Cat B**0105r4* agreed |
| CR | [S1-220221](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220221.zip) | OPPO | 22.261v18.5.0 Clarification of KPI in TS22.261 clause 7.10 for AMMT use case | Agreed | ***e-Thread: [SA1#97e, CR\_Rel18- 6]****WI code AMMT Rel-18 CR0633R- Cat B**Same as 0105r4* Revision of S1-220105. |
| CR | [S1-220107](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220107r2.zip) | OPPO | 22.261v18.5.0 Clarification of 5GC assistance for FL member selection | Revised to S1-220222 | ***e-Thread:* [SA1#97e, CR\_Rel18- 7]***WI code* AMMT *Rel-18 CR0634R- Cat B**0107r3* agreed |
| CR | [S1-220222](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220222.zip) | OPPO | 22.261v18.5.0 Clarification of 5GC assistance for FL member selection | Agreed | ***e-Thread: [SA1#97e, CR\_Rel18- 7]****WI code AMMT Rel-18 CR0634R- Cat B**Same as 0107r3* Revision of S1-220107. |
| CR | [S1-220066](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220066.zip) | Kyonggi University | 22.280v18.0.0 Addition of definition regarding location with minor editorial correction in Definitions | Moved to 4 | *WI code* RAILSS *Rel-18 CR0150R- Cat B* |
| CR | [S1-220067](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220067.zip) | Kyonggi University | 22.280v18.0.0 Addition of one requirement regarding location | Moved to 4 | *WI code* RAILSS *Rel-18 CR0151R- Cat B* |
| Cont | [S1-220155](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220155.zip) | Hansung University | suggest-definitions-of-railss | Moved to 4 |  |
| Cont | [S1-220156](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220156.zip) | Hansung University | sugest overview of RAILSS | Moved to 4 |  |
| Release 17 Alignment CRs (aligning Stage 1 specifications with what has been implemented in Stage 2 and 3)As Release 17 is almost frozen (stage 2 already frozen), alignment CRs are appreciated.  |
| Rel-17 and earlier CRs (other than alignment) |
| CR | [S1-220125](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220125r1.zip) | BDBOS, FirstNet, MINISTERE DE L'INTERIEUR, Netherlands Police | 22.179v17.0.0 Clarification on use of MCPTT Late call entry KPIs | Revised to S1-220223 | ***e-Thread:* [SA1#97e, CR\_Rel17- 1]***WI code* MCPTT *Rel-17 CR0075R- Cat F*R1 agreed |
| CR | [S1-220223](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220223.zip) | BDBOS, FirstNet, MINISTERE DE L'INTERIEUR, Netherlands Police | 22.179v17.0.0 Clarification on use of MCPTT Late call entry KPIs | Agreed | ***e-Thread: [SA1#97e, CR\_Rel17- 1]****WI code TEI17; MCPTT Rel-17 CR0075R- Cat F**Same as 0125r1* Revision of S1-220125. |
| Other technical contributions |
| Other non-technical contributions |
| Cont | [S1-220085](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220085r2.zip) | Samsung | Considerations on Application Requirements in SA1 | Noted | ***e-Thread:* [SA1#97e, Others-1]**No approval day |
| Cont | [S1-220113](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220113.zip) | Qualcomm Incorporated | Proposal for input to ITU-R on IMT-Industries | Moved to 3 |  |
| Cont | [S1-220161](file:///C%3A%5CUsers%5Calmodovarchicojl%5CDesktop%5CTSGS1_97e_EM_Feb2022%5Cdocs%5CS1-220161.zip) | Hansung University | RAILSS activity planning | Moved to 4 |  |
| Work Item/Study Item progress  |
| Session information outputs |
| Work Item/Study Item status update |
| Next meetings |
| Calendar |
| **2022 meetings:**SA1#98 09-19 May 2022 e-meetingSA1#99 22-26 Aug 2022 EuropeSA1#100 07-11 Nov 2022 North America (dates and location T.B.D.)  |
| Any other business |
| Close |
| Close latest by 16:00 UTC on Thursday 24 February 2022 |