**3GPP TSG-SA WG1 Meeting #105 S1-240002**

**Athens, Greece, 26 Feb - 1 Mar 2024**

Title: 1st Draft Agenda for SA1#105

Ag. Item: 1.1

Source: SA1 Chair

Contact: Jose Almodovar

Submission Guidelines

* **Submission deadlines:**
  1. Tdoc **number** and **CR number** requests:     **Friday,** 16 February 2024, 23:00 UTC
  2. Document **submission**:                                **Friday,** 16 February 2024, 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#105)
* Document folder : <https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs>
* For CRs:
  + **TEI19 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**Conclusion**: Agreed, Approved, Revised to S1-23xxxx, Noted, Withdrawn, Moved to section xxx, Rejected, Postponed, Email Approval, Not Handled, Unallocated, Drafting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 | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) | Source | Title | Agreed / Approved |  |
| CR | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) | Source | Title | Revised to S1-23xxxx |  |
| CR | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) | Source | Title | Noted |  |
| CR | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) | Source | Title | Withdrawn |  |
| CR | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) | Source | Title | Moved to section xxx |  |
| CR | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) | Source | Title | Rejected |  |
| CR | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) | Source | Title | Postponed |  |
| CR | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) | Source | Title | Email Approval |  |
| CR | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) | Source | Title | Not Handled |  |
|  | [S1-24xxxx](file:///C:\Users\almodovarchicojl\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\FYJ6G6IS\Docs\S1-24xxxx.zip) |  |  | Unallocated / Drafting |  |

**MEETING ROOMS:**

ROOM **Aristotle II**: Plenary

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Monday** | **Tuesday** | **Wednesday** |  | **Thursday** | **Friday** |
| **Q0** | **08:00**  **09:00** |  | Drafting  Robust Notification Alert for 5G satellite | Drafting  FS\_Satellite | **08:00**  **09:00** | Drafting  FS\_Satellite |  |
| **Q1** | **09:00**  **10:30** | (start at 09:00)  **Plenary:**  1. Opening  2. Reports  3.LS | 7. New SIDs | 7. New SIDs | **09:00**  **10:30** | 7.New SIDS **(2nd round)**  Rel-20 proposal timeline  2. Reports  3.LS | **Plenary**  7.New SIDS (last 3)  **Agenda order** |
|  | **Coffee** |  |  |  | **Coffee** |  |  |
| **Q2** | **11:00**  **12:30** | **Plenary:**  3. LSs | 7. New SIDs | 7. New SIDs  7. New SIDs **(2nd round)** | **11:00**  **12:30** | 4.Quality Improv  5.Rel-17, Rel-18 and earlier contributions  6.2. Other Rel-19 contributions | **Plenary** |
|  | **Lunch** |  |  |  | **Lunch** |  |  |
| **Q3** | **14:00**  **15:30** | **Plenary:**  4.Quality Improv  5.Rel-17, Rel-18 and earlier contributions  6.2. Other Rel-19 contributions | 7. New SIDs | 7. New SIDs **(2nd round)** | **14:00**  **15:30** | 6.1 FS\_ISN  9.1 KVIs related contributions | **Plenary** |
|  | **Coffee** |  |  |  | **Coffee** |  |  |
| **Q4** | **16:00**  **18:00** | 6.2. Other Rel-19 contributions  (17:20) Drafting session on PS Data Off exemption for services over IMS DC | Drafting session:  6.1 FS\_ISN  (Chaired by Yusuke) | Drafting session:  9.1 KVIs related contributions  (Chaired by Qun) | **16:00**  **18:00** | 7. New SIDs **(3rd round)** |  |
|  |  |  |  |  |  |  |  |
| **Q5** | **18:10**  **19:10** |  | **MMS**  (18:30) | Drafting Energy Serv | **18:10**  **19:10** |  |  |

**NOTE:**

**Slots scheduled based on contributions submitted. Slot allocation is a rough guideline and is subject to change during the meeting week.**

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| --- | --- | --- | --- | --- | --- |
| Opening of the meeting | | | | | |
| Opening of the meeting at 09:00 CET on Monday 26 February 2024 | | | | | |
| Agenda and scheduling | | | | | |
| AGE | S1-240000 | SA1 Chairman | Draft agenda for SA1#105 | Revised to S1-240001 |  |
| AGE | S1-240001 | SA1 Chairman | 2nd Draft agenda for SA1#105 | Revised to S1-240002 | Revision of S1-240000. |
| AGE | S1-240002 | SA1 Chairman | Final agenda for SA1#105 | Approved | *Revision of S1-240001.* |
| 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 | [S1-240004](file:///E:\TSGS1_105_Athens\Docs\S1-240004.zip) | ETSI | Draft minutes of SA1#104 | Revised to S1-240005 |  |
| REP | [S1-240005](file:///E:\TSGS1_105_Athens\Docs\S1-240005.zip) | ETSI | Draft minutes of SA1#104 | Agreed | Revision of S1-240004. |
| Information for delegates | | | | | |
| REP | [S1-240007](file:///E:\TSGS1_105_Athens\Docs\S1-240007.zip) | ETSI MCC | MCC info on CR Rules | Noted |  |
| REP | [S1-240008](file:///E:\TSGS1_105_Athens\Docs\S1-240008.zip) | ETSI MCC | MCC info on WID names | Noted |  |
| REP | [S1-240003](file:///E:\TSGS1_105_Athens\Docs\S1-240003.zip) | ETSI MCC | Extract of the 3GPP Work Plan for SA1#105 | Noted |  |
| Draft TR/TS to SA plenary for information: delegates are encouraged to send draft TR/TS for information as soon as there is useful content to be reviewed. Draft TR/TS can be sent to SA plenary for information more than once.  Drafting p-CRs:   * All changes must be shown using revision marks against existing text in the draft TS/TR, otherwise p-CRs may be Noted   For more info: <ftp://ftp.3gpp.org/tsg_sa/WG1_Serv/Delegate_Guidelines_v10.doc>  When writing CRs, please follow the guidance provided in [S1-240007](file:///E:\TSGS1_105_Athens\Docs\S1-240007.zip) (Guidelines to write CRs) | | | | | |
| Information for rapporteurs | | | | | |
| "Beginner's guide" for writing a new TS/TR is available at <http://www.3gpp.org/specifications-groups/delegates-corner/writing-a-new-spec> (feedback on content is welcome!)  For detailed drafting guidelines, please see [TR 21.801](http://www.3gpp.org/DynaReport/21801.htm)  Rapporteurs are expected to produce a work item/study item status report for the end of the meeting under agenda item 9.2. The template is available [here](http://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_85_Tallin/templates/Template_WI_Status_Update.zip).  For draft TR/TS, the rapporteur is expected to update the draft TR/TS with all contributions agreed at the meeting before the meeting is closed. | | | | | |
| Working agreements | | | | | |
| None | | | | | |
| Reports and action items | | | | | |
| REP | [S1-240006](file:///E:\TSGS1_105_Athens\Docs\S1-240006.zip) | SA1 Chair | SA1-related topics at latest SA plenary | Revised to S1-240175 |  |
| REP | [S1-240175](file:///E:\TSGS1_105_Athens\docs\S1-240175.zip) | SA1 Chair | SA1-related topics at latest SA plenary | Noted | Revision of S1-240006. “Normative work following the study” clarify the point. |
| REP | [S1-240010](file:///E:\TSGS1_105_Athens\docs\S1-240010.zip) | SA1 Chair | SA1#105 and planning for 2024 | Revised to S1-240176 | Updated after conference calls. Including workshop draft schedule. Draft agenda from the workshop |
| REP | [S1-240176](file:///E:\TSGS1_105_Athens\docs\S1-240176.zip) | SA1 Chair | SA1#105 and planning for 2024 | Noted | *Updated after conference calls. Including workshop draft schedule. Draft agenda from the workshop.*  Revision of S1-240010. |
| REP | [S1-240011](file:///E:\TSGS1_105_Athens\docs\S1-240011.zip) | SA1 Chair | Lessons learned from SMARTER process in 5G | Revised to S1-240178 |  |
| REP | [S1-240178](file:///E:\TSGS1_105_Athens\docs\S1-240178.zip) | SA1 Chair | Lessons learned from SMARTER process in 5G | Revised to S1-240267 | Revision of S1-240011. |
| REP | [S1-240267](file:///E:\TSGS1_105_Athens\docs\S1-240267.zip) | SA1 Chair | Lessons learned from SMARTER process in 5G |  | *Revision of S1-240011.*  Revision of S1-240178. |
| Liaison Statements (including related contributions) | | | | | |
| Robust Notification Alert for NTN-NR Rel-19 | | | | | |
| IN | [S1-240153](file:///E:\TSGS1_105_Athens\Docs\S1-240153.zip) | RP-234075 | LS on Robust Notification Alert for NTN-NR Rel-19 |  |  |
| OUT | [S1-240017](file:///E:\TSGS1_105_Athens\Docs\S1-240017.zip) | OPPO | [Draft]Reply LS on Robust Notification Alert for NTN-NR Rel-19 | Merged into S1-240187 |  |
| OUT | [S1-240040](file:///E:\TSGS1_105_Athens\Docs\S1-240040.zip) | Xiaomi | [Draft] Reply LS on Robust Notification Alert for NTN-NRv | Merged into S1-240188 |  |
| WID | [S1-240042](file:///E:\TSGS1_105_Athens\Docs\S1-240042.zip) | Xiaomi | New WID on 5G system with satellite access to Support Robust Notification/Paging | Merged into S1-240189 |  |
| CR | [S1-240041](file:///E:\TSGS1_105_Athens\Docs\S1-240041.zip) | Xiaomi | 22.261v19.5.0 Add requirement on robust notification/paging for Satellite Access | Merged into S1-240190 | *WI* SRNP *Rel-19 CR0764R- Cat B* |
| OUT | [S1-240051](file:///E:\TSGS1_105_Athens\Docs\S1-240051.zip) | LG Electronics | [draft] Reply LS on Robust Notification Alert for NTN-NR Rel-19 | Merged into S1-240187 |  |
| OUT | [S1-240072](file:///E:\TSGS1_105_Athens\Docs\S1-240072.zip) | HUGHES | [DRAFT] Reply LS RP-234075 on Robust Notification Alert for NTN-NR | Revised to S1-240188 |  |
| OUT | [S1-240188](file:///E:\TSGS1_105_Athens\docs\S1-240188.zip) | HUGHES | [DRAFT] Reply LS RP-234075 on Robust Notification Alert for NTN-NR |  | Revision of S1-240072. |
| Cont | [S1-240069](file:///E:\TSGS1_105_Athens\Docs\S1-240069.zip) | HUGHES Network Systems, Dish Network, Novamint, Hispasat, OmniSpace, OQ Technology, SES | Discussion on Robust Notification Alert for NTN-NR UE | Noted |  |
| WID | [S1-240070](file:///E:\TSGS1_105_Athens\Docs\S1-240070.zip) | HUGHES, Dish Network, Novamint, Hispasat, Thales, OmniSpace, OQ Technology, SES | mini-WID on Robust Notification Alert for NR-NTN | Revised to S1-240189 |  |
| WID | [S1-240189](file:///E:\TSGS1_105_Athens\docs\S1-240189.zip) | HUGHES, Dish Network, Novamint, Hispasat, Thales, OmniSpace, OQ Technology, SES | mini-WID on Robust Notification Alert for NR-NTN | Merged into S1-240235 | Revision of S1-240070. |
| CR | [S1-240071](file:///E:\TSGS1_105_Athens\Docs\S1-240071.zip) | HUGHES, Dish Network, Novamint, Hispasat, OmniSpace, OQ Technology, SES | 22.261v19.5.0 Robust UE notification of missed incoming call(s) when normal paging fails for 5G satellite access. | Revised to S1-240190 | *WI* SRNP *Rel-19 CR0775R- Cat B* |
| CR | [S1-240190](file:///E:\TSGS1_105_Athens\docs\S1-240190.zip) | HUGHES, Dish Network, Novamint, Hispasat, OmniSpace, OQ Technology, SES | 22.261v19.5.0 Robust UE notification of missed incoming call(s) when normal paging fails for 5G satellite access. | Noted | *WI SRNP Rel-19 CR0775R- Cat B*  Revision of S1-240071. |
| TR | [S1-240132](file:///E:\TSGS1_105_Athens\Docs\S1-240132.zip) | HUGHES | 5G satellite access support of UE notification of missed paging call(s) when normal paging fails | Noted | Exception sheet |
| OUT | [S1-240113](file:///E:\TSGS1_105_Athens\Docs\S1-240113.zip) | Huawei | Reply LS on Robust Notification Alert for NTN-NR | Revised to S1-240187 |  |
| OUT | [S1-240187](file:///E:\TSGS1_105_Athens\docs\S1-240187.zip) | Huawei | Reply LS on Robust Notification Alert for NTN-NR |  | Revision of S1-240113. |
| Energy states in TS 22.261 | | | | | |
| IN | [S1-240165](file:///E:\TSGS1_105_Athens\Docs\S1-240165.zip) | S5-240807 | LS on energy states in TS 22.261 |  |  |
| OUT | [S1-240050](file:///E:\TSGS1_105_Athens\Docs\S1-240050.zip) | LG Electronics | [draft] Reply LS on energy states in TS 22.261 | Revised to S1-240182 |  |
| OUT | [S1-240182](file:///E:\TSGS1_105_Athens\docs\S1-240182.zip) | LG Electronics | [draft] Reply LS on energy states in TS 22.261 | Revised to S1-240269 | Revision of S1-240050. |
| OUT | [S1-240269](file:///E:\TSGS1_105_Athens\docs\S1-240269.zip) | LG Electronics | [draft] Reply LS on energy states in TS 22.261 |  | *Revision of S1-240050.*  Revision of S1-240182. |
| OUT | [S1-240098](file:///E:\TSGS1_105_Athens\Docs\S1-240098.zip) | Nokia, Nokia Shanghai Bell | [DRAFT] Reply LS on energy states in TS 22.261 | Merged into S1-240182 |  |
| CR | [S1-240099](file:///E:\TSGS1_105_Athens\Docs\S1-240099.zip) | Nokia, Nokia Shanghai Bell | 22.261v19.5.0 CR on energy-related definitions | Revised to S1-240184 | *WI* EnergyServ *Rel-19 CR0777R- Cat F*  *Moved from 6.2* |
| CR | [S1-240184](file:///E:\TSGS1_105_Athens\docs\S1-240184.zip) | Nokia, Nokia Shanghai Bell | 22.261v19.5.0 CR on energy-related definitions |  | *WI EnergyServ Rel-19 CR0777R- Cat F*  *Moved from 6.2*  Revision of S1-240099. Only with the energy state changes. |
| OUT | [S1-240183](file:///E:\TSGS1_105_Athens\docs\S1-240183.zip) | Huawei | [draft] Reply LS on energy states in TS 22.261 | Revised to S1-240270 |  |
| OUT | [S1-240270](file:///E:\TSGS1_105_Athens\docs\S1-240270.zip) | Huawei | [draft] Reply LS on energy states in TS 22.261 |  | Revision of S1-240183. |
| PS Data Off exemption for services over IMS DC | | | | | |
| IN | [S1-240154](file:///E:\TSGS1_105_Athens\Docs\S1-240154.zip) | S2-2311881 | LS to clarify PS Data Off exemption for services over IMS DC |  |  |
| OUT | [S1-240078](file:///E:\TSGS1_105_Athens\Docs\S1-240078.zip) | China Mobile, Huawei | Reply LS to clarify PS Data Off exemption for services over IMS DC | Revised to S1-240180 |  |
| OUT | [S1-240180](file:///E:\TSGS1_105_Athens\docs\S1-240180.zip) | China Mobile, Huawei | Reply LS to clarify PS Data Off exemption for services over IMS DC |  | Revision of S1-240078. |
| CR | [S1-240079](file:///E:\TSGS1_105_Athens\Docs\S1-240079.zip) | China Mobile, Huawei | 22.011v19.2.0 Clarification on the PS Data Off exemption for services over Data Channel | Revised to S1-240181 | *WI* IMSDCDataOff *Rel-19 CR0359R- Cat F* |
| CR | [S1-240181](file:///E:\TSGS1_105_Athens\docs\S1-240181.zip) | China Mobile, Huawei | 22.011v19.2.0 Clarification on the PS Data Off exemption for services over Data Channel | Revised to S1-240268 | *WI IMSDCDataOff Rel-19 CR0359R- Cat F*  Revision of S1-240079. |
| CR | [S1-240268](file:///E:\TSGS1_105_Athens\docs\S1-240268.zip) | China Mobile, Huawei | 22.011v19.2.0 Clarification on the PS Data Off exemption for services over Data Channel |  | *WI IMSDCDataOff Rel-19 CR0359R- Cat F*  *Revision of S1-240079.*  Revision of S1-240181. |
| Technical Report ITU-T TR.ISAC-fra | | | | | |
| IN | [S1-240169](file:///E:\TSGS1_105_Athens\Docs\S1-240169.zip) | SG13-LS108 | LS on initiation of a new Technical Report ITU-T TR.ISAC-fra ""Considerations of integrated sensing and communication in IMT-2020 networks and beyond"" | Noted |  |
| OUT | [S1-240110](file:///E:\TSGS1_105_Athens\Docs\S1-240110.zip) | Deutsche Telekom | LS reply on new ITU-T TR ISAC-fra | Revised to S1-240179 |  |
| OUT | [S1-240179](file:///E:\TSGS1_105_Athens\docs\S1-240179.zip) | Deutsche Telekom | LS reply on new ITU-T TR ISAC-fra | Noted | Revision of S1-240110. |
| 3GPP on data plane control by roaming hubs | | | | | |
| TO | [S1-240150](file:///E:\TSGS1_105_Athens\Docs\S1-240150.zip) | 5GMRR Doc 47\_14r1 LS to 3GPP on data plane control by roaming hubs | LS to 3GPP on data plane control by roaming hubs | Noted |  |
| New definitions of energy efficiency and energy consumption | | | | | |
| TO | [S1-240166](file:///E:\TSGS1_105_Athens\Docs\S1-240166.zip) | S5-240816 | LS on new definitions of energy efficiency and energy consumption | Noted |  |
| Proposed to Note | | | | | |
| TO | [S1-240168](file:///E:\TSGS1_105_Athens\Docs\S1-240168.zip) | SG13-LS107 | LS on consent of draft new Recommendation ITU-T Y.3400 (ex Y.IMT2020-CNC-req) ""Coordination of networking and computing in IMT-2020 networks and beyond - Requirements"" | Noted |  |
| TO | [S1-240170](file:///E:\TSGS1_105_Athens\Docs\S1-240170.zip) | SG13-LS115 | LS on the consent of draft new Recommendation ITU-T Y.3128 (ex Y.IMT2020-NFC-req) ""Requirements for network function communication between Public Networks and public network integrated Non-Public Networks in IMT-2020"" | Noted |  |
| TO | [S1-240171](file:///E:\TSGS1_105_Athens\Docs\S1-240171.zip) | SG13-LS124 | LS on initiation of draft new Recommendation ITU-T Y.U2USM-req-fra ""Future networks including IMT-2020: Requirements and framework for the support of UE-to-UE session management"" | Noted |  |
| TO | [S1-240172](file:///E:\TSGS1_105_Athens\Docs\S1-240172.zip) | sp17-fg-mv-oLS-00020 | LS on request to provide the standardization status for metaverse cross-platform interoperability | Noted |  |
| TO | [S1-240173](file:///E:\TSGS1_105_Athens\Docs\S1-240173.zip) | sp17-fg-mv-oLS-00030 | LS on the approval of the Technical Specification ITU FGMV-19 on ""Service scenarios and high-level requirements for metaverse cross-platform interoperability"" | Noted |  |
| TO | [S1-240174](file:///E:\TSGS1_105_Athens\Docs\S1-240174.zip) | sp17-fg-mv-oLS-00034 | LS on Results of the fourth meeting of the FG-MV | Noted |  |
| CC | [S1-240151](file:///E:\TSGS1_105_Athens\Docs\S1-240151.zip) | C1-239502 | LS on service authorization for/to partner MC system | Noted |  |
| CC | [S1-240152](file:///E:\TSGS1_105_Athens\Docs\S1-240152.zip) | R3-237964 | Reply LS on the user consent for trace reporting | Noted |  |
| CC | [S1-240157](file:///E:\TSGS1_105_Athens\Docs\S1-240157.zip) | S2-2401578 | Reply LS on the user consent for trace reporting | Noted |  |
| CC | [S1-240155](file:///E:\TSGS1_105_Athens\Docs\S1-240155.zip) | S2-2313605 | Reply LS on charging aspects of AI/ML traffic | Noted |  |
| CC | [S1-240164](file:///E:\TSGS1_105_Athens\Docs\S1-240164.zip) | S5-240695 | Reply LS on charging aspects of AI/ML traffic | Noted |  |
| CC | [S1-240156](file:///E:\TSGS1_105_Athens\Docs\S1-240156.zip) | S2-2313776 | LS on Ranging/SL Positioning service exposure security and privacy check | Noted |  |
| CC | [S1-240158](file:///E:\TSGS1_105_Athens\Docs\S1-240158.zip) | S2-2401650 | Response to “Reply LS on the service requirement of restricting satellite access RAT type” | Noted |  |
| CC | [S1-240159](file:///E:\TSGS1_105_Athens\Docs\S1-240159.zip) | S2-2401813 | LS on No-Transmit Zones according to ECC decision 22(07) | Noted |  |
| CC | [S1-240160](file:///E:\TSGS1_105_Athens\Docs\S1-240160.zip) | S4-232055 | LS on Support of interworking between SA4 RTC and IMS | Noted |  |
| CC | [S1-240161](file:///E:\TSGS1_105_Athens\Docs\S1-240161.zip) | S4-240517 | Reply to LS on 3GPP work on energy efficiency | Noted |  |
| CC | [S1-240162](file:///E:\TSGS1_105_Athens\Docs\S1-240162.zip) | S5-238106 | LS on network energy related information exposure | Noted |  |
| CC | [S1-240163](file:///E:\TSGS1_105_Athens\Docs\S1-240163.zip) | S5-238107 | LS on the progress update of AI/ML Management specifications in SA5 | Noted |  |
| CC | [S1-240167](file:///E:\TSGS1_105_Athens\Docs\S1-240167.zip) | S5-241084 | Reply LS on the user consent for trace reporting | Noted |  |
| 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 | [S1-240014](file:///E:\TSGS1_105_Athens\Docs\S1-240014.zip) | CATT | 22.261v19.5.0 Correction of AI/ML KPI requirements for direct network connection | Revised to S1-240191 | *WI* AIML\_MT *Rel-19 CR0761R- Cat F* |
| CR | [S1-240191](file:///E:\TSGS1_105_Athens\docs\S1-240191.zip) | CATT | 22.261v19.5.0 Correction of AI/ML KPI requirements for direct network connection | Agreed | *WI AIML\_MT Rel-19 CR0761R- Cat F*  Revision of S1-240014.  Check cover page. |
| CR | [S1-240131](file:///E:\TSGS1_105_Athens\Docs\S1-240131.zip) | Siemens, Robert Bosch GmbH, Mitsubishi Electric | 22.261v19.5.0 Support for Multiple Spanning Tree Protocol |  | *WI* cyberCAV, TEI19 *Rel-19 CR0781R- Cat C* |
| CR | [S1-240272](file:///E:\TSGS1_105_Athens\docs\S1-240272.zip) | Siemens, Robert Bosch GmbH, Mitsubishi Electric | Discussion paper - Support for Multiple Spanning Tree Protocol | Noted | *WI* cyberCAV, TEI19 *Rel-19 CR0781R- Cat C* |
|  | [S1-240080](file:///E:\TSGS1_105_Athens\Docs\S1-240080.zip) | China Mobile | New SID on Energy as Service Criteria phase2 | Moved to 7 |  |
|  | [S1-240081](file:///E:\TSGS1_105_Athens\Docs\S1-240081.zip) | China Mobile | Discussion on Energy as Service Criteria phase2 | Moved to 7 |  |
|  | [S1-240082](file:///E:\TSGS1_105_Athens\Docs\S1-240082.zip) | China Mobile | new use case on Energy as Service Criteria phase2 | Moved to 7 |  |
|  | [S1-240083](file:///E:\TSGS1_105_Athens\Docs\S1-240083.zip) | China Mobile | new use case on Energy as Service Criteria phase2 | Moved to 7 |  |
|  | [S1-240036](file:///E:\TSGS1_105_Athens\Docs\S1-240036.zip) | ZTE, CEPRI, China Unicom, China Telecom | New SID on Study on Task-driven Cooperative Intelligent Cluster | Moved to 7 |  |
|  | [S1-240037](file:///E:\TSGS1_105_Athens\Docs\S1-240037.zip) | ZTE, CEPRI, China Unicom, China Telecom | Discussion on Task-driven Cooperative Intelligent Cluster | Moved to 7 |  |
|  | [S1-240038](file:///E:\TSGS1_105_Athens\Docs\S1-240038.zip) | ZTE | Use Case on Inspection in a Factory for Task-driven Cooperative Dynamic Group | Moved to 7 |  |
|  | [S1-240039](file:///E:\TSGS1_105_Athens\Docs\S1-240039.zip) | ZTE | Use Case on Warehousing Task for Task-driven Cooperative Dynamic Group | Moved to 7 |  |
| Rel-17, Rel-18 and earlier contributions | | | | | |
| Release 17 & 18 Alignment CRs (including Rel-18 cleaning) | | | | | |
| Cont | [S1-240009](file:///E:\TSGS1_105_Athens\Docs\S1-240009.zip) | SA1 Chairperson, MCC | Cleaning Rel-18 Stage 1 | Revised to S1-240192 |  |
| Cont | [S1-240192](file:///E:\TSGS1_105_Athens\docs\S1-240192.zip) | SA1 Chairperson, MCC | Cleaning Rel-18 Stage 1 | Endorsed | Revision of S1-240009.  Endorsed as basis to continue the discussion. |
| Cont | [S1-240094](file:///E:\TSGS1_105_Athens\Docs\S1-240094.zip) | Huawei | Discussion on Rel-18 service requirements clean-up in TS 22.261 | Noted |  |
| Cont | [S1-240096](file:///E:\TSGS1_105_Athens\Docs\S1-240096.zip) | Huawei | Discussion on Rel-18 service requirements clean-up in TS 22.104 | Noted |  |
| Cont | [S1-240097](file:///E:\TSGS1_105_Athens\Docs\S1-240097.zip) | Huawei | Discussion on Rel-18 service requirements clean-up in TS 22.101 | Noted |  |
| CR | [S1-240012](file:///E:\TSGS1_105_Athens\Docs\S1-240012.zip) | Deutsche Telekom | 22.101v18.5.0 Removal of non-implemented UIA requirements | Revised to S1-240193 | *WI* UIA *Rel-18 CR0592R- Cat F* |
| CR | [S1-240193](file:///E:\TSGS1_105_Athens\docs\S1-240193.zip) | Deutsche Telekom | 22.101v18.5.0 Removal of non-implemented UIA requirements | Agreed | *WI UIA Rel-18 CR0592R- Cat F*  Revision of S1-240012.  Introduce on cover page that Rel19 TS22.101 needs to be created before this CR is implemented. X on other specs. |
| CR | [S1-240013](file:///E:\TSGS1_105_Athens\Docs\S1-240013.zip) | Deutsche Telekom | 22.115v18.0.0 Removal of UIA charging requirements | Revised to S1-240194 | *WI* UIA *Rel-18 CR0108R- Cat F* |
| CR | [S1-240194](file:///E:\TSGS1_105_Athens\docs\S1-240194.zip) | Deutsche Telekom | 22.115v18.0.0 Removal of UIA charging requirements | Agreed | *WI UIA Rel-18 CR0108R- Cat F*  Revision of S1-240013.  Introduce on cover page that Rel19 TS22.101 needs to be created before this CR is implemented. X on other specs. |
| CR | [S1-240049](file:///E:\TSGS1_105_Athens\Docs\S1-240049.zip) | LG Electronics | 22.261v18.12.0 Removal of non-implemented EASNS requirements | Agreed | *WI* EASNS *Rel-18 CR0766R- Cat F* |
| Cont | [S1-240058](file:///E:\TSGS1_105_Athens\Docs\S1-240058.zip) | Samsung, China Telecom | Rel-18 Alignment of Stage 1 with results for SEI | Noted |  |
| CR | [S1-240059](file:///E:\TSGS1_105_Athens\Docs\S1-240059.zip) | Samsung, China Telecom | 22.104v18.3.0 Alignment for Smart Energy Infrastructure | Noted | *WI* SEI *Rel-18 CR0098R- Cat F* |
| CR | [S1-240060](file:///E:\TSGS1_105_Athens\Docs\S1-240060.zip) | Samsung, China Telecom | 22.261v18.12.0 Alignment for Smart Energy Infrastructure | Noted | *WI* SEI *Rel-18 CR0771R- Cat F* |
| Cont | [S1-240088](file:///E:\TSGS1_105_Athens\Docs\S1-240088.zip) | Qualcomm | Clean-up of Rel-18 PALS Requirements | Noted |  |
| CR | [S1-240145](file:///E:\TSGS1_105_Athens\Docs\S1-240145.zip) | Qualcomm | 22.261v18.2.0 CR for Clean-up of Rel-18 PALS Requirements | Revised to S1-240271 | *WI* PALS *Rel-18 CR0782R- Cat F* |
| CR | [S1-240271](file:///E:\TSGS1_105_Athens\docs\S1-240271.zip) | Qualcomm | 22.261v18.2.0 CR for Clean-up of Rel-18 PALS Requirements |  | *WI PALS Rel-18 CR0782R- Cat F*  Revision of S1-240145. |
| Cont | [S1-240108](file:///E:\TSGS1_105_Athens\Docs\S1-240108.zip) | Huawei | Alignment of TS 22.125 “Uncrewed Aerial System (UAS) support in 3GPP” with progress in other 3GPP WGs | Revised to S1-240195 |  |
| Cont | [S1-240195](file:///E:\TSGS1_105_Athens\docs\S1-240195.zip) | Huawei | Alignment of TS 22.125 “Uncrewed Aerial System (UAS) support in 3GPP” with progress in other 3GPP WGs | Revised to S1-240275 | Revision of S1-240108. |
| Cont | [S1-240275](file:///E:\TSGS1_105_Athens\docs\S1-240275.zip) | Huawei | Alignment of TS 22.125 “Uncrewed Aerial System (UAS) support in 3GPP” with progress in other 3GPP WGs |  | *Revision of S1-240108.*  Revision of S1-240195. |
| CR | [S1-240274](file:///E:\TSGS1_105_Athens\docs\S1-240274.zip) | Huawei | 22.125v17.x.x Alignment of TS 22.125 “Uncrewed Aerial System (UAS) support in 3GPP” with progress in other 3GPP WGs |  | *WI TEI17 Rel-17 CR0053R- Cat F* |
| CR | [S1-240109](file:///E:\TSGS1_105_Athens\Docs\S1-240109.zip) | Huawei | 22.125v18.0.0 Alignment of TS 22.125 “Uncrewed Aerial System (UAS) support in 3GPP” with progress in other 3GPP WGs | Revised to S1-240273 | *WI* TEI18 *Rel-18 CR0051R- Cat F*  *Use corresponding WI Code* |
| CR | [S1-240273](file:///E:\TSGS1_105_Athens\docs\S1-240273.zip) | Huawei | 22.125v18.0.0 Alignment of TS 22.125 “Uncrewed Aerial System (UAS) support in 3GPP” with progress in other 3GPP WGs |  | *WI TEI18 Rel-18 CR0051R- Cat A*  *Use corresponding WI Code*  Revision of S1-240109. |
| Cont | [S1-240141](file:///E:\TSGS1_105_Athens\Docs\S1-240141.zip) | Qualcomm | Discussion on Rel-18 VMR requirements clean-up | Noted |  |
| Cont | [S1-240118](file:///E:\TSGS1_105_Athens\Docs\S1-240118.zip) | Samsung | Discussion of Aligning Performance Requirements | Noted |  |
| Rel-18 correction and clarification CRs | | | | | |
| CR | [S1-240062](file:///E:\TSGS1_105_Athens\Docs\S1-240062.zip) | Honor | 22.261v18.12.0 Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access | Revised to S1-240196 | *WI* 5GSAT\_Ph3 *Rel-18 CR0773R- Cat F*  *Use corresponding WI Code* |
| CR | [S1-240196](file:///E:\TSGS1_105_Athens\docs\S1-240196.zip) | Honor | 22.261v18.12.0 Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access |  | *WI 5GSAT\_Ph3 Rel-18 CR0773R- Cat F*  *Use corresponding WI Code*  Revision of S1-240062. |
| CR | [S1-240061](file:///E:\TSGS1_105_Athens\Docs\S1-240061.zip) | Honor | 22.261v19.5.0 Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access | Revised to S1-240217 | *WI* 5GSAT\_Ph3 *Rel-19 CR0772R- Cat F*  *Moved from 6.2, This should be the mirror.* |
| CR | [S1-240217](file:///E:\TSGS1_105_Athens\docs\S1-240217.zip) | Honor | 22.261v19.5.0 Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access |  | *WI 5GSAT\_Ph3 Rel-19 CR0772R- Cat F*  *Moved from 6.2, This should be the mirror.*  Revision of S1-240061. |
| CR | [S1-240056](file:///E:\TSGS1_105_Athens\Docs\S1-240056.zip) | Honor | 22.261v18.12.0 Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access | Withdrawn | *WI* 5GSAT\_Ph3 *Rel-18 CR0769R- Cat F* |
| Rel-17 and earlier CRs (other than alignment) | | | | | |
| CR | [S1-240128](file:///E:\TSGS1_105_Athens\Docs\S1-240128.zip) | MediaTek | 22.261v17.12.0 Access to PLMN during disaster condition | Noted | *WI* MINT *Rel-17 CR0780R- Cat F* |
| CR | [S1-240126](file:///E:\TSGS1_105_Athens\Docs\S1-240126.zip) | MediaTek, Rakuten | 22.261v18.12.0 Access to PLMN during disaster condition | Noted | *WI* MINT *Rel-18 CR0779R- Cat A* |
| CR | [S1-240123](file:///E:\TSGS1_105_Athens\Docs\S1-240123.zip) | MediaTek, Rakuten | 22.261v19.5.0 Access to PLMN during disaster condition | Noted | *WI* MINT *Rel-19 CR0778R- Cat A* |
| Rel-19 contributions | | | | | |
| FS\_ISN: Study on Interconnect of SNPN [[SP-230236](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_99_Rotterdam_2023-03/Docs/SP-230236.zip)] | | | | | |
| **Work status prior to this meeting:**  Rapporteur: Thierry Bérisot (Novamint)  Latest version: TR22.848v0.0.0  Target completion date: SA#102 (12/2023)  Percentage completion: 65% | | | | | |
| Cont | [S1-240129](file:///C:\Users\S029244\Documents\3GPP\SA1%23105_Athens\Docs\S1-240129.zip) | NOVAMINT | Pseudo-CR on update for scope and overview section for 22.848 | Agreed |  |
| Cont | [S1-240084](file:///C:\Users\S029244\Documents\3GPP\SA1%23105_Athens\Docs\S1-240084.zip) | NOVAMINT, b-com, EDF | Pseudo-CR on consolidated requirements for TR 22.848 | Revised to S1-240225 |  |
| Cont | [S1-240225](file:///E:\TSGS1_105_Athens\docs\S1-240225.zip) | NOVAMINT, b-com, EDF | Pseudo-CR on consolidated requirements for TR 22.848 | Revised to S1-240281 | Revision of S1-240084. |
| Cont | [S1-240281](file:///E:\TSGS1_105_Athens\docs\S1-240281.zip) | NOVAMINT, b-com, EDF | Pseudo-CR on consolidated requirements for TR 22.848 | Agreed | *Revision of S1-240084.*  Revision of S1-240225.  Delete req #3 and #6. Renumber all requirements correctly. |
| Cont | [S1-240085](file:///C:\Users\S029244\Documents\3GPP\SA1%23105_Athens\Docs\S1-240085.zip) | NOVAMINT, Intel, Cisco Systems, EDF, b-com | Pseudo-CR on conclusions for TR 22.848 | Revised to S1-240226 |  |
| Cont | [S1-240226](file:///E:\TSGS1_105_Athens\docs\S1-240226.zip) | NOVAMINT, Intel, Cisco Systems, EDF, b-com | Pseudo-CR on conclusions for TR 22.848 | Agreed | Revision of S1-240085. |
| Cont | [S1-240283](file:///E:\TSGS1_105_Athens\docs\S1-240283.zip) | NOVAMINT | Cover page TR 22.848 for approval |  |  |
| WID | [S1-240086](file:///C:\Users\S029244\Documents\3GPP\SA1%23105_Athens\Docs\S1-240086.zip) | NOVAMINT, Intel, Cisco Systems, EDF, b-com | New WID on Interconnect of SNPN | Revised to S1-240227 |  |
| WID | [S1-240227](file:///E:\TSGS1_105_Athens\docs\S1-240227.zip) | NOVAMINT, Intel, Cisco Systems, EDF, b-com | New WID on Interconnect of SNPN | Revised to S1-240285 | Revision of S1-240086. |
| WID | [S1-240285](file:///E:\TSGS1_105_Athens\docs\S1-240285.zip) | NOVAMINT, Intel, Cisco Systems, EDF, b-com | New WID on Interconnect of SNPN |  | *Revision of S1-240086.*  Revision of S1-240227. |
| CR | [S1-240087](file:///C:\Users\S029244\Documents\3GPP\SA1%23105_Athens\Docs\S1-240087.zip) | NOVAMINT, Intel, Cisco Systems, EDF, b-com | 22.261v19.5.0 Add requirements for Interconnect of SNPN in 22.261 | Revised to S1-240228 | *WI* DUMMY *Rel-19 CR0776R- Cat B*  *Correct WI Code* |
| CR | [S1-240228](file:///E:\TSGS1_105_Athens\docs\S1-240228.zip) | NOVAMINT, Intel, Cisco Systems, EDF, b-com | 22.261v19.5.0 Add requirements for Interconnect of SNPN in 22.261 | Revised to S1-240284 | *WI DUMMY Rel-19 CR0776R- Cat B*  *Correct WI Code*  Revision of S1-240087. |
| CR | [S1-240284](file:///E:\TSGS1_105_Athens\docs\S1-240284.zip) | NOVAMINT, Intel, Cisco Systems, EDF, b-com | 22.261v19.5.0 Add requirements for Interconnect of SNPN in 22.261 | Agreed | *WI DUMMY Rel-19 CR0776R- Cat B*  *Correct WI Code*  *Revision of S1-240087.*  Revision of S1-240228.  Change WI Code and no changes in cover page. |
| TR | [S1-240140](file:///C:\Users\S029244\Documents\3GPP\SA1%23105_Athens\Docs\S1-240140.zip) | NOVAMINT (Rapporteur) | Rel-19 Work Item Exception for ISN | Revised to S1-240229 |  |
| TR | [S1-240229](file:///C:\Users\S029244\Documents\3GPP\SA1%23105_Athens\docs\S1-240229.zip) | NOVAMINT (Rapporteur) | Rel-19 Work Item Exception for ISN |  | Revision of S1-240140. |
| Other Rel-19 contributions (e.g. CRs to clean, correct completed studies) | | | | | |
| CR | [S1-240018](file:///E:\TSGS1_105_Athens\Docs\S1-240018.zip) | OPPO | 22.261v19.5.0 TS22.261\_CR \_Correct the TS number for Ambient IoT clause | Revised to S1-240197 | *WI* Ambient-IoT *Rel-19 CR0762R- Cat F*  *Correct WI Code* |
| CR | [S1-240197](file:///E:\TSGS1_105_Athens\docs\S1-240197.zip) | OPPO | 22.261v19.5.0 TS22.261\_CR \_Correct the TS number for Ambient IoT clause | Agreed | *WI Ambient-IoT Rel-19 CR0762R- Cat F*  *Correct WI Code*  Revision of S1-240018.  WICode is AmbientIoT. Update rev, and the date. |
| CR | [S1-240019](file:///E:\TSGS1_105_Athens\Docs\S1-240019.zip) | OPPO | 22.369v19.0.0 TS22.369\_CR \_AIoT\_Adding the abbreviation | Revised to S1-240198 | *WI* Ambient-IoT *Rel-19 CR0001R- Cat F*  *Correct WI Code* |
| CR | [S1-240198](file:///E:\TSGS1_105_Athens\docs\S1-240198.zip) | OPPO | 22.369v19.0.0 TS22.369\_CR \_AIoT\_Adding the abbreviation | Revised to S1-240276 | *WI Ambient-IoT Rel-19 CR0001R- Cat F*  *Correct WI Code*  Revision of S1-240019.  WICode is AmbientIoT. Update rev, and the date. Add tdoc number. Wrong title. Capitlized Void section. |
| CR | [S1-240276](file:///E:\TSGS1_105_Athens\docs\S1-240276.zip) | OPPO | 22.369v19.0.0 TS22.369\_CR \_AIoT\_Adding the abbreviation |  | *WI Ambient-IoT Rel-19 CR0001R- Cat F*  *Correct WI Code*  *Revision of S1-240019.*  *WICode is AmbientIoT. Update rev, and the date. Add tdoc number. Wrong title. Capitlized Void section.*  Revision of S1-240198. |
| CR | [S1-240020](file:///E:\TSGS1_105_Athens\Docs\S1-240020.zip) | OPPO | 22.369v19.0.0 TS22.369\_CR \_AIoT\_Adding the descirption of terms | Revised to S1-240199 | *WI* Ambient-IoT *Rel-19 CR0002R- Cat F*  *Correct WI Code* |
| CR | [S1-240199](file:///E:\TSGS1_105_Athens\docs\S1-240199.zip) | OPPO | 22.369v19.0.0 TS22.369\_CR \_AIoT\_Adding the descirption of terms |  | *WI Ambient-IoT Rel-19 CR0002R- Cat F*  *Correct WI Code*  Revision of S1-240020. |
| CR | [S1-240035](file:///E:\TSGS1_105_Athens\Docs\S1-240035.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v19.5.0 Exemption of Priority Services (e.g., MPS) from Energy Limitation Controls | Revised to S1-240200 | *WI* EnergySer *Rel-19 CR0763R- Cat F*  *Correct WI Code* |
| CR | [S1-240200](file:///E:\TSGS1_105_Athens\docs\S1-240200.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v19.5.0 Exemption of Priority Services (e.g., MPS) from Energy Limitation Controls | Revised to S1-240277 | *WI EnergySer Rel-19 CR0763R- Cat F*  *Correct WI Code*  Revision of S1-240035. |
| CR | [S1-240277](file:///E:\TSGS1_105_Athens\docs\S1-240277.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | 22.261v19.5.0 Exemption of Priority Services (e.g., MPS) from Energy Limitation Controls |  | *WI EnergySer Rel-19 CR0763R- Cat F*  *Correct WI Code*  *Revision of S1-240035.*  Revision of S1-240200. |
| CR | [S1-240101](file:///E:\TSGS1_105_Athens\Docs\S1-240101.zip) | NTT DOCOMO | 22.882v19.2.0 Editorial corrections in EE | Revised to S1-240201 | *WI* FS\_ EnergyServ *Rel-19 CR0011R- Cat F* |
| CR | [S1-240201](file:///E:\TSGS1_105_Athens\docs\S1-240201.zip) | NTT DOCOMO | 22.882v19.2.0 Editorial corrections in EE | Agreed | *WI FS\_ EnergyServ Rel-19 CR0011R- Cat F*  Revision of S1-240101.  Cover page must be cleaned, update rev and date. Mark it as cat D. |
| CR | [S1-240119](file:///E:\TSGS1_105_Athens\Docs\S1-240119.zip) | DT | 22.837v19.12.1 Editorial clean-up of TR 22.837 section 7 | Agreed | *WI* FS\_Sensing *Rel-19 CR0778R- Cat D* |
| CR | [S1-240043](file:///E:\TSGS1_105_Athens\Docs\S1-240043.zip) | Xiaomi | 22.837v19.2.0 Modifying the figure in 5.19.1 Description | Noted | *WI* Sensing *Rel-19 CR0020R- Cat F*  *Correct WI Code* |
| CR | [S1-240073](file:///E:\TSGS1_105_Athens\Docs\S1-240073.zip) | Huawei | 22.137v19.0.0 Editorial clean-up of KPI table for sensing | Revised to S1-240202 | *WI* Sensing *Rel-19 CR0778R- Cat F*  *Correct cat* |
| CR | [S1-240202](file:///E:\TSGS1_105_Athens\docs\S1-240202.zip) | Huawei | 22.137v19.0.0 Editorial clean-up of KPI table for sensing | Agreed | *WI Sensing Rel-19 CR0778R- Cat F*  *Correct cat*  Revision of S1-240073.  Correct tittle, not call editorial. Update ver and date. And source WG. |
| CR | [S1-240054](file:///E:\TSGS1_105_Athens\Docs\S1-240054.zip) | OPPO | 22.261v19.5.0 DualSteer requirement updating | Revised to S1-240186 | *WI* DualSteer *Rel-19 CR0767R- Cat D*  *Must be Cat F* |
| CR | [S1-240186](file:///E:\TSGS1_105_Athens\docs\S1-240186.zip) | OPPO | 22.261v19.5.0 DualSteer requirement updating | Revised to S1-240203 | *WI DualSteer Rel-19 CR0767R- Cat D*  *Must be Cat F*  Revision of S1-240054. |
| CR | [S1-240203](file:///E:\TSGS1_105_Athens\docs\S1-240203.zip) | OPPO | 22.261v19.5.0 DualSteer requirement updating | Revised to S1-240278 | *WI DualSteer Rel-19 CR0767R- Cat D*  *Must be Cat F*  *Revision of S1-240054.*  Revision of S1-240186. |
| CR | [S1-240278](file:///E:\TSGS1_105_Athens\docs\S1-240278.zip) | OPPO | 22.261v19.5.0 DualSteer requirement updating |  | *WI DualSteer Rel-19 CR0767R- Cat D*  *Must be Cat F*  *Revision of S1-240054.*  *Revision of S1-240186.*  Revision of S1-240203. |
| CR | [S1-240063](file:///E:\TSGS1_105_Athens\Docs\S1-240063.zip) | Honor | 22.261v19.5.0 Clarification of services supported in UE-Satellite-UE communication | Noted | *WI* 5GSAT\_Ph3 *Rel-19 CR0774R- Cat F* |
| CR | [S1-240095](file:///E:\TSGS1_105_Athens\Docs\S1-240095.zip) | NTT Docomo | 22.156v19.0.0 Correction to Metaverse requirements | Revised to S1-240204 | *WI* Metaverse *Rel-19 CR0001R- Cat F* |
| CR | [S1-240204](file:///E:\TSGS1_105_Athens\docs\S1-240204.zip) | NTT Docomo | 22.156v19.0.0 Correction to Metaverse requirements | Revised to S1-240279 | *WI Metaverse Rel-19 CR0001R- Cat F*  Revision of S1-240095. |
| CR | [S1-240279](file:///E:\TSGS1_105_Athens\docs\S1-240279.zip) | NTT Docomo | 22.156v19.0.0 Correction to Metaverse requirements | Agreed | *WI Metaverse Rel-19 CR0001R- Cat F*  *Revision of S1-240095.*  Revision of S1-240204.  Impact boxes empty. Update rev and date. |
| CR | [S1-240138](file:///E:\TSGS1_105_Athens\Docs\S1-240138.zip) | InterDigital | 22.155v19.1.0 Alignment of terminology for requirements |  | *WI* UAS\_Ph3 *Rel-19 CR0052R- Cat F* |
| CR | [S1-240185](file:///E:\TSGS1_105_Athens\docs\S1-240185.zip) | Nokia, Nokia Shanghai Bell | 22.261v19.5.0 CR on energy-related definitions – second CR | Revised to S1-240205 | *WI* EnergyServ *Rel-19 CR0777R- Cat F*  New document |
| CR | [S1-240205](file:///E:\TSGS1_105_Athens\docs\S1-240205.zip) | Nokia, Nokia Shanghai Bell | 22.261v19.5.0 CR on energy-related definitions – second CR | Revised to S1-240280 | *WI EnergyServ Rel-19 CR0777R- Cat F*  *New document*  Revision of S1-240185. New CR #783 and should be rev 1. |
| CR | [S1-240280](file:///E:\TSGS1_105_Athens\docs\S1-240280.zip) | Nokia, Nokia Shanghai Bell | 22.261v19.5.0 CR on energy-related definitions – second CR |  | *WI EnergyServ Rel-19 CR0777R- Cat F*  *New document*  *Revision of S1-240185. New CR #783 and should be rev 1.*  Revision of S1-240205. |
| CR | [S1-240061](file:///E:\TSGS1_105_Athens\Docs\S1-240061.zip) | Honor | 22.261v19.5.0 Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access | Moved to 5.2 | *WI* 5GSAT\_Ph3 *Rel-19 CR0772R- Cat F*  *Change…* |
| CR | [S1-240099](file:///E:\TSGS1_105_Athens\Docs\S1-240099.zip) | Nokia, Nokia Shanghai Bell | 22.261v19.5.0 CR on energy-related definitions | Moved to 3 | *WI* EnergyServ *Rel-19 CR0777R- Cat F* |
|  | [S1-240055](file:///E:\TSGS1_105_Athens\Docs\S1-240055.zip) | Honor | Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access | Withdrawn |  |
|  | [S1-240048](file:///E:\TSGS1_105_Athens\Docs\S1-240048.zip) | Honor | Enhancement to UE-satellite-UE communication with 5G satellite backhaul | Withdrawn |  |
|  | [S1-240057](file:///E:\TSGS1_105_Athens\Docs\S1-240057.zip) | Honor | Clarification of services supported in UE-Satellite-UE communication | Withdrawn |  |
| Rel-20 Part 1 (5GA) contributions: new Study Items (including related contributions) | | | | | |
| General | | | | | |
| Cont | [S1-240222](file:///E:\TSGS1_105_Athens\docs\S1-240222.zip) | SA1 chair | Proposal for Stage 1 Rel-20 timeline assumption | Revised to S1-240266 |  |
| Cont | [S1-240266](file:///E:\TSGS1_105_Athens\docs\S1-240266.zip) | SA1 chair | Proposal for Stage 1 Rel-20 timeline assumption |  | Revision of S1-240222. |
| FRMCS Phase 6 | | | | | |
| WID | [S1-240213](file:///E:\TSGS1_105_Athens\docs\S1-240213.zip) | UIC | Study on FRMCS Phase 6 | Revised to S1-240253 |  |
| WID | [S1-240253](file:///E:\TSGS1_105_Athens\docs\S1-240253.zip) | UIC | Study on FRMCS Phase 6 | Revised to S1-240287 | Revision of S1-240213. |
| WID | [S1-240287](file:///E:\TSGS1_105_Athens\docs\S1-240287.zip) | UIC | Study on FRMCS Phase 6 | Agreed | *Revision of S1-240213.*  Revision of S1-240253.  Providing a clean version. |
| Cont | [S1-240137](file:///E:\TSGS1_105_Athens\Docs\S1-240137.zip) | UIC | Discussion Study on FRMCS Phase 6 | Noted |  |
| Energy as Service Criteria phase2 | | | | | |
| WID | [S1-240080](file:///E:\TSGS1_105_Athens\Docs\S1-240080.zip) | China Mobile | New SID on Energy as Service Criteria phase2 | Revised to S1-240212 | Moved from 4 |
| WID | [S1-240212](file:///E:\TSGS1_105_Athens\docs\S1-240212.zip) | China Mobile | New SID on Energy as Service Criteria phase2 | Revised to S1-240214 | *Moved from 4*  Revision of S1-240080. |
| WID | [S1-240214](file:///E:\TSGS1_105_Athens\docs\S1-240214.zip) | China Mobile | New SID on Energy as Service Criteria phase2 | Revised to S1-240252 | *Moved from 4*  *Revision of S1-240080.*  Revision of S1-240212. |
| WID | [S1-240252](file:///E:\TSGS1_105_Athens\docs\S1-240252.zip) | China Mobile | New SID on Energy as Service Criteria phase2 | Revised to S1-240286 | *Moved from 4*  *Revision of S1-240080.*  *Revision of S1-240212.*  Revision of S1-240214. |
| WID | [S1-240286](file:///E:\TSGS1_105_Athens\docs\S1-240286.zip) | China Mobile | New SID on Energy as Service Criteria phase2 | Revised to S1-240288 | *Moved from 4*  *Revision of S1-240080.*  *Revision of S1-240212.*  *Revision of S1-240214.*  Revision of S1-240252. |
| WID | [S1-240288](file:///E:\TSGS1_105_Athens\docs\S1-240288.zip) | China Mobile | New SID on Energy as Service Criteria phase2 |  | *Moved from 4*  *Revision of S1-240080.*  *Revision of S1-240212.*  *Revision of S1-240214.*  *Revision of S1-240252.*  Revision of S1-240286. |
| TR | [S1-240289](file:///E:\TSGS1_105_Athens\docs\S1-240289.zip) | China Mobile | TR skeleton Energy as Service Criteria phase2 |  |  |
| Cont | [S1-240081](file:///E:\TSGS1_105_Athens\Docs\S1-240081.zip) | China Mobile | Discussion on Energy as Service Criteria phase2 | Noted | Moved from 4 |
| Cont | [S1-240082](file:///E:\TSGS1_105_Athens\Docs\S1-240082.zip) | China Mobile | new use case on Energy as Service Criteria phase2 | Noted | Moved from 4 |
| Cont | [S1-240083](file:///E:\TSGS1_105_Athens\Docs\S1-240083.zip) | China Mobile | new use case on Energy as Service Criteria phase2 | Noted | Moved from 4 |
| Task-driven Cooperative Intelligent Cluster | | | | | |
| WID | [S1-240036](file:///E:\TSGS1_105_Athens\Docs\S1-240036.zip) | ZTE, CEPRI, China Unicom, China Telecom | New SID on Study on Task-driven Cooperative Intelligent Cluster | Revised to S1-240206 | Moved from 4 |
| WID | [S1-240206](file:///E:\TSGS1_105_Athens\docs\S1-240206.zip) | ZTE, CEPRI, China Unicom, China Telecom | New SID on Study on Task-driven Cooperative Intelligent Cluster | Revised to S1-240215 | *Moved from 4*  Revision of S1-240036. |
| WID | [S1-240215](file:///E:\TSGS1_105_Athens\docs\S1-240215.zip) | ZTE, CEPRI, China Unicom, China Telecom | New SID on Study on Task-driven Cooperative Intelligent Cluster | Revised to S1-240251 | *Moved from 4*  *Revision of S1-240036.*  Revision of S1-240206. |
| WID | [S1-240251](file:///E:\TSGS1_105_Athens\docs\S1-240251.zip) | ZTE, CEPRI, China Unicom, China Telecom | New SID on Study on Task-driven Cooperative Intelligent Cluster | Revised to S1-240254 | *Moved from 4*  *Revision of S1-240036.*  *Revision of S1-240206.*  Revision of S1-240215. |
| WID | [S1-240254](file:///E:\TSGS1_105_Athens\docs\S1-240254.zip) | ZTE, CEPRI, China Unicom, China Telecom | New SID on Study on Task-driven Cooperative Intelligent Cluster | Noted | *Moved from 4*  *Revision of S1-240036.*  *Revision of S1-240206.*  *Revision of S1-240215.*  Revision of S1-240251. |
| Cont | [S1-240037](file:///E:\TSGS1_105_Athens\Docs\S1-240037.zip) | ZTE, CEPRI, China Unicom, China Telecom | Discussion on Task-driven Cooperative Intelligent Cluster | Revised to S1-240207 | Moved from 4 |
| Cont | [S1-240207](file:///E:\TSGS1_105_Athens\docs\S1-240207.zip) | ZTE, CEPRI, China Unicom, China Telecom | Discussion on Task-driven Cooperative Intelligent Cluster | Noted | *Moved from 4*  Revision of S1-240037. |
| Cont | [S1-240038](file:///E:\TSGS1_105_Athens\Docs\S1-240038.zip) | ZTE | Use Case on Inspection in a Factory for Task-driven Cooperative Dynamic Group | Revised to S1-240208 | Moved from 4 |
| Cont | [S1-240208](file:///E:\TSGS1_105_Athens\docs\S1-240208.zip) | ZTE | Use Case on Inspection in a Factory for Task-driven Cooperative Dynamic Group | Noted | *Moved from 4*  Revision of S1-240038. |
| Cont | [S1-240039](file:///E:\TSGS1_105_Athens\Docs\S1-240039.zip) | ZTE | Use Case on Warehousing Task for Task-driven Cooperative Dynamic Group | Revised to S1-240209 | Moved from 4 |
| Cont | [S1-240209](file:///E:\TSGS1_105_Athens\docs\S1-240209.zip) | ZTE | Use Case on Warehousing Task for Task-driven Cooperative Dynamic Group | Noted | *Moved from 4*  Revision of S1-240039. |
| 5GS assisted Cross-domain AI | | | | | |
| WID | [S1-240016](file:///E:\TSGS1_105_Athens\Docs\S1-240016.zip) | OPPO | New SID on Study on 5GS assisted cross-domain AI | Revised to S1-240216 |  |
| WID | [S1-240216](file:///E:\TSGS1_105_Athens\docs\S1-240216.zip) | OPPO | New SID on Study on 5GS assisted cross-domain AI | Revised to S1-240255 | Revision of S1-240016. |
| WID | [S1-240255](file:///E:\TSGS1_105_Athens\docs\S1-240255.zip) | OPPO | New SID on Study on 5GS assisted cross-domain AI | Noted | *Revision of S1-240016.*  Revision of S1-240216. |
| Cont | [S1-240015](file:///E:\TSGS1_105_Athens\Docs\S1-240015.zip) | OPPO | DP for the study of 5GS assisted Cross-domain AI | Noted |  |
| Secondary network selection | | | | | |
| WID | [S1-240022](file:///E:\TSGS1_105_Athens\Docs\S1-240022.zip) | Deutsche Telekom | New SID on secondary network selection | Revised to S1-240146 |  |
| WID | [S1-240146](file:///E:\TSGS1_105_Athens\docs\S1-240146.zip) | Deutsche Telekom | New SID on secondary network selection | Revised to S1-240223 | Revision of S1-240022. |
| WID | [S1-240223](file:///E:\TSGS1_105_Athens\docs\S1-240223.zip) | Deutsche Telekom | New SID on secondary network selection | Revised to S1-240256 | *Revision of S1-240022.*  Revision of S1-240146. |
| WID | [S1-240256](file:///E:\TSGS1_105_Athens\docs\S1-240256.zip) | Deutsche Telekom | New SID on secondary network selection | Noted | *Revision of S1-240022.*  *Revision of S1-240146.*  Revision of S1-240223. |
| Cont | [S1-240021](file:///E:\TSGS1_105_Athens\Docs\S1-240021.zip) | Deutsche Telekom | DP on new SID for secondary network selection | Noted |  |
| Cont | [S1-240023](file:///E:\TSGS1_105_Athens\Docs\S1-240023.zip) | Deutsche Telekom | TR skeleton for secondary network selection | Revised to S1-240147 |  |
| Cont | [S1-240147](file:///E:\TSGS1_105_Athens\docs\S1-240147.zip) | Deutsche Telekom | TR skeleton for secondary network selection | Noted | Revision of S1-240023. |
| Cont | [S1-240024](file:///E:\TSGS1_105_Athens\Docs\S1-240024.zip) | Deutsche Telekom | Illustrative use case for secondary network selection | Revised to S1-240148 |  |
| Cont | [S1-240148](file:///E:\TSGS1_105_Athens\docs\S1-240148.zip) | Deutsche Telekom | Illustrative use case for secondary network selection | Noted | Revision of S1-240024. |
| Disaster Communication Service (DCS) without Centralized 5G Core | | | | | |
| Cont | [S1-240028](file:///E:\TSGS1_105_Athens\Docs\S1-240028.zip) | US Department of Homeland | Discussion on Disaster Communication Service (DCS) without Centralized 5G Core | Revised to S1-240218 |  |
| Cont | [S1-240218](file:///E:\TSGS1_105_Athens\docs\S1-240218.zip) | US Department of Homeland | Discussion on Disaster Communication Service (DCS) without Centralized 5G Core | Noted | Revision of S1-240028. |
| Enhanced 5G Resident | | | | | |
| WID | [S1-240029](file:///E:\TSGS1_105_Athens\Docs\S1-240029.zip) | China Unicom | Study of Enhanced 5G Resident | Revised to S1-240219 |  |
| WID | [S1-240219](file:///E:\TSGS1_105_Athens\docs\S1-240219.zip) | China Unicom | Study of Enhanced 5G Resident | Revised to S1-240257 | Revision of S1-240029. |
| WID | [S1-240257](file:///E:\TSGS1_105_Athens\docs\S1-240257.zip) | China Unicom | Study of Enhanced 5G Resident | Revised to S1-240282 | *Revision of S1-240029.*  Revision of S1-240219. |
| WID | [S1-240282](file:///E:\TSGS1_105_Athens\docs\S1-240282.zip) | China Unicom | Study of Enhanced 5G Resident | Noted | *Revision of S1-240029.*  *Revision of S1-240219.*  Revision of S1-240257. |
| Cont | [S1-240030](file:///E:\TSGS1_105_Athens\Docs\S1-240030.zip) | China Unicom | Motivation for Enhancement to 5G Residence | Noted |  |
| Non-3GPP fallback to gain 3GPP access | | | | | |
| WID | [S1-240032](file:///E:\TSGS1_105_Athens\Docs\S1-240032.zip) | NEC | New Study on non-3GPP fallback to gain 3GPP access | Revised to S1-240220 |  |
| WID | [S1-240220](file:///E:\TSGS1_105_Athens\docs\S1-240220.zip) | NEC | New Study on non-3GPP fallback to gain 3GPP access | Noted | Revision of S1-240032. |
| Cont | [S1-240031](file:///E:\TSGS1_105_Athens\Docs\S1-240031.zip) | NEC | Motivation for New Study on non-3GPP fallback to gain 3GPP access | Noted |  |
| Advanced Non-Public Networks and Their Interworking | | | | | |
| WID | [S1-240034](file:///E:\TSGS1_105_Athens\Docs\S1-240034.zip) | NEC | New Study on Advanced Non-Public Networks and Their Interworking | Revised to S1-240221 |  |
| WID | [S1-240221](file:///E:\TSGS1_105_Athens\docs\S1-240221.zip) | NEC | New Study on Advanced Non-Public Networks and Their Interworking | Noted | Revision of S1-240034. |
| Cont | [S1-240033](file:///E:\TSGS1_105_Athens\Docs\S1-240033.zip) | NEC | Motivation for New Study on Advanced Non-Public Networks and Their Interworking | Noted |  |
| Satellite access - Phase 4 | | | | | |
| WID | [S1-240052](file:///E:\TSGS1_105_Athens\Docs\S1-240052.zip) | NOVAMINT, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, vivo, SKY Perfect JSAT, Sateliot, Lockheed Martin, Hughes Network systems, CATT, Nokia, Nokia Shanghai Bell, OQ Technology, China Telecom | New SID on Study on satellite access - Phase 4 | Revised to S1-240210 |  |
| WID | [S1-240210](file:///E:\TSGS1_105_Athens\docs\S1-240210.zip) | NOVAMINT, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, vivo, SKY Perfect JSAT, Sateliot, Lockheed Martin, Hughes Network systems, CATT, Nokia, Nokia Shanghai Bell, OQ Technology, China Telecom | New SID on Study on satellite access - Phase 4 | Revised to S1-240235 | Revision of S1-240052. |
| WID | [S1-240235](file:///E:\TSGS1_105_Athens\docs\S1-240235.zip) | NOVAMINT, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, vivo, SKY Perfect JSAT, Sateliot, Lockheed Martin, Hughes Network systems, CATT, Nokia, Nokia Shanghai Bell, OQ Technology, China Telecom | New SID on Study on satellite access - Phase 4 | Revised to S1-240258 | *Revision of S1-240052.*  Revision of S1-240210. |
| WID | [S1-240258](file:///E:\TSGS1_105_Athens\docs\S1-240258.zip) | NOVAMINT, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, vivo, SKY Perfect JSAT, Sateliot, Lockheed Martin, Hughes Network systems, CATT, Nokia, Nokia Shanghai Bell, OQ Technology, China Telecom | New SID on Study on satellite access - Phase 4 | Revised to S1-240290 | *Revision of S1-240052.*  *Revision of S1-240210.*  Revision of S1-240235. |
| WID | [S1-240290](file:///E:\TSGS1_105_Athens\docs\S1-240290.zip) | NOVAMINT, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, vivo, SKY Perfect JSAT, Sateliot, Lockheed Martin, Hughes Network systems, CATT, Nokia, Nokia Shanghai Bell, OQ Technology, China Telecom | New SID on Study on satellite access - Phase 4 |  | *Revision of S1-240052.*  *Revision of S1-240210.*  *Revision of S1-240235.*  Revision of S1-240258. |
| TR | [S1-240291](file:///E:\TSGS1_105_Athens\docs\S1-240291.zip) | NOVAMINT | TR Skeleton Study on satellite access - Phase 4 |  |  |
| Cont | [S1-240053](file:///E:\TSGS1_105_Athens\Docs\S1-240053.zip) | NOVAMINT, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, vivo, SKY Perfect JSAT, Sateliot, Lockheed Martin, Hughes Network systems, CATT, Nokia, Nokia Shanghai Bell, OQ Technology, China Telecom | Motivation for a Study on satellite access - Phase 4 | Revised to S1-240211 |  |
| Cont | [S1-240211](file:///E:\TSGS1_105_Athens\docs\S1-240211.zip) | NOVAMINT, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, vivo, SKY Perfect JSAT, Sateliot, Lockheed Martin, Hughes Network systems, CATT, Nokia, Nokia Shanghai Bell, OQ Technology, China Telecom | Motivation for a Study on satellite access - Phase 4 | Noted | Revision of S1-240053. |
| Cont | [S1-240064](file:///E:\TSGS1_105_Athens\Docs\S1-240064.zip) | SES S.A., Thales, ESA, Novamint, Hugues Network Systems, TNO, Fraunhofer, Lockheed Martin, Airbus, JSAT, ETRI, Inmarsat Viasat, Hispasat, Eutelsat | Use Cases motivations for 5G MBS over NTN study | Noted |  |
| Enhancements for IMS-based GEO Global Call Services | | | | | |
| WID | [S1-240106](file:///E:\TSGS1_105_Athens\Docs\S1-240106.zip) | vivo, Novamint, Fraunhofer IIS, Hughes, EchoStar, China Unicom | New miniWid on Enhancements for IMS-based GEO Global Call Services | Merge into S1-240235 |  |
| NetShare phase 2 | | | | | |
| WID | [S1-240065](file:///E:\TSGS1_105_Athens\Docs\S1-240065.zip) | China Unicom | New Study on NetShare phase 2 | Revised to S1-240149 |  |
| WID | [S1-240149](file:///E:\TSGS1_105_Athens\docs\S1-240149.zip) | China Unicom | New Study on NetShare phase 2 | Noted | Revision of S1-240065. |
| Cont | [S1-240066](file:///E:\TSGS1_105_Athens\Docs\S1-240066.zip) | China Unicom | Further analyses and use case suggestions on NetShare phase 2 | Noted |  |
| VMR Phase3 | | | | | |
| WID | [S1-240074](file:///E:\TSGS1_105_Athens\Docs\S1-240074.zip) | CATT | New SID on VMR Phase3 | Revised to S1-240245 |  |
| WID | [S1-240245](file:///E:\TSGS1_105_Athens\docs\S1-240245.zip) | CATT | New SID on VMR Phase3 | Revised to S1-240259 | Revision of S1-240074. |
| WID | [S1-240259](file:///E:\TSGS1_105_Athens\docs\S1-240259.zip) | CATT | New SID on VMR Phase3 | Noted | *Revision of S1-240074.*  Revision of S1-240245. |
| Cont | [S1-240075](file:///E:\TSGS1_105_Athens\Docs\S1-240075.zip) | CATT | Discussion on Study of VMR Phase3 | Noted |  |
| Cont | [S1-240076](file:///E:\TSGS1_105_Athens\Docs\S1-240076.zip) | CATT | Use Case on User Experience during link change between TN and NTN | Noted |  |
| Cont | [S1-240077](file:///E:\TSGS1_105_Athens\Docs\S1-240077.zip) | CATT | Use Case on Concurrent Local Services and Remote Services via Vessel-Mounted Relays | Noted |  |
| Critical IoT Applications via dual 3GPP access | | | | | |
| WID | [S1-240091](file:///E:\TSGS1_105_Athens\Docs\S1-240091.zip) | CATT | Study on Critical IoT Applications via dual 3GPP access | Revised to S1-240236 |  |
| WID | [S1-240236](file:///E:\TSGS1_105_Athens\docs\S1-240236.zip) | CATT | Study on Critical IoT Applications via dual 3GPP access | Revised to S1-240260 | Revision of S1-240091. |
| WID | [S1-240260](file:///E:\TSGS1_105_Athens\docs\S1-240260.zip) | CATT | Study on Critical IoT Applications via dual 3GPP access | Noted | *Revision of S1-240091.*  Revision of S1-240236. |
| Cont | [S1-240092](file:///E:\TSGS1_105_Athens\Docs\S1-240092.zip) | CATT | Discussion on supporting DualSteer device based Critical IoT applications via dual 3GPP access | Noted |  |
| Cont | [S1-240093](file:///E:\TSGS1_105_Athens\Docs\S1-240093.zip) | CATT | Analysis of use case of AGV control via dual 3GPP access | Noted |  |
| Distributed device and user-centric trust | | | | | |
| WID | [S1-240027](file:///E:\TSGS1_105_Athens\Docs\S1-240027.zip) | InterDigital | New SID: Study on distributed device and user-centric trust | Revised to S1-240238 |  |
| WID | [S1-240238](file:///E:\TSGS1_105_Athens\docs\S1-240238.zip) | InterDigital | New SID: Study on distributed device and user-centric trust | Noted | Revision of S1-240027. |
| Cont | [S1-240026](file:///E:\TSGS1_105_Athens\Docs\S1-240026.zip) | InterDigital | Motivation for study on distributed device and user-centric trust | Noted |  |
| Sensing and Communication Phase2 | | | | | |
| Cont | [S1-240239](file:///E:\TSGS1_105_Athens\docs\S1-240239.zip) | Xiaomi | Possible enhancements to Study on Integrated Sensing and Communication | Withdrawn |  |
| WID | [S1-240045](file:///E:\TSGS1_105_Athens\Docs\S1-240045.zip) | Xiaomi | New SID on Study on Integrated Sensing and Communication Phase 2 | Revised to S1-240263 |  |
| WID | [S1-240263](file:///E:\TSGS1_105_Athens\docs\S1-240263.zip) | Xiaomi | New SID on Study on Integrated Sensing and Communication Phase 2 | Noted | Revision of S1-240045. |
| Cont | [S1-240044](file:///E:\TSGS1_105_Athens\Docs\S1-240044.zip) | Xiaomi | Integrated Sensing and Communication Phase2 | Noted |  |
| Cont | [S1-240046](file:///E:\TSGS1_105_Athens\Docs\S1-240046.zip) | Xiaomi | Use case on WLAN access to sense passenger flow in an airport | Noted |  |
| Cont | [S1-240047](file:///E:\TSGS1_105_Athens\Docs\S1-240047.zip) | Xiaomi | Use case on sensing assisted discovery and communication | Noted |  |
| Cont | [S1-240105](file:///E:\TSGS1_105_Athens\Docs\S1-240105.zip) | China Mobile | Discussion on Integrated Sensing and Communication phase 2 | Noted |  |
| Cont | [S1-240112](file:///E:\TSGS1_105_Athens\Docs\S1-240112.zip) | Qualcomm | Use case on UE-based Sensing Assisted Automotive Maneuvering and Navigation | Noted |  |
| Cont | [S1-240125](file:///E:\TSGS1_105_Athens\Docs\S1-240125.zip) | Qualcomm | Use case on Sensing Relays for Localization | Noted |  |
| Multi-network Interoperability Enhancement | | | | | |
| WID | [S1-240067](file:///E:\TSGS1_105_Athens\Docs\S1-240067.zip) | China Unicom | New SID: Study on Multi-network Interoperability Enhancement | Revised to S1-240242 |  |
| WID | [S1-240242](file:///E:\TSGS1_105_Athens\docs\S1-240242.zip) | China Unicom | New SID: Study on Multi-network Interoperability Enhancement | Noted | Revision of S1-240067. |
| Cont | [S1-240068](file:///E:\TSGS1_105_Athens\Docs\S1-240068.zip) | China Unicom | Discussion on Multi-network Interoperability Enhancement | Noted |  |
| Network of Service Robots with Ambient Intelligence Phase 2 | | | | | |
| WID | [S1-240089](file:///E:\TSGS1_105_Athens\Docs\S1-240089.zip) | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 | Revised to S1-240224 |  |
| WID | [S1-240224](file:///E:\TSGS1_105_Athens\docs\S1-240224.zip) | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 | Revised to S1-240246 | Revision of S1-240089. |
| WID | [S1-240246](file:///E:\TSGS1_105_Athens\docs\S1-240246.zip) | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 | Revised to S1-240262 | *Revision of S1-240089.*  Revision of S1-240224. |
| WID | [S1-240262](file:///E:\TSGS1_105_Athens\docs\S1-240262.zip) | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 | Noted | *Revision of S1-240089.*  *Revision of S1-240224.*  Revision of S1-240246. |
| Cont | [S1-240090](file:///E:\TSGS1_105_Athens\Docs\S1-240090.zip) | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 - DP | Revised to S1-240243 |  |
| Cont | [S1-240243](file:///E:\TSGS1_105_Athens\docs\S1-240243.zip) | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 - DP | Noted | Revision of S1-240090. |
| User interactivity in the IMS | | | | | |
| WID | [S1-240103](file:///E:\TSGS1_105_Athens\Docs\S1-240103.zip) | Nokia, Nokia Shanghai Bell | New SID on user interactivity in the IMS | Revised to S1-240244 |  |
| WID | [S1-240244](file:///E:\TSGS1_105_Athens\docs\S1-240244.zip) | Nokia, Nokia Shanghai Bell | New SID on user interactivity in the IMS | Revised to S1-240264 | Revision of S1-240103. |
| WID | [S1-240264](file:///E:\TSGS1_105_Athens\docs\S1-240264.zip) | Nokia, Nokia Shanghai Bell | New SID on user interactivity in the IMS | Revised to S1-240292 | *Revision of S1-240103.*  Revision of S1-240244. |
| WID | [S1-240292](file:///E:\TSGS1_105_Athens\docs\S1-240292.zip) | Nokia, Nokia Shanghai Bell | New SID on user interactivity in the IMS | Noted | *Revision of S1-240103.*  *Revision of S1-240244.*  Revision of S1-240264. |
| Cont | [S1-240102](file:///E:\TSGS1_105_Athens\Docs\S1-240102.zip) | Nokia, Nokia Shanghai Bell | Motivations for new SID on User interactivity in IMS |  |  |
| Artificial Intelligence enhanced IMS Multimedia Telephony Service | | | | | |
| WID | [S1-240114](file:///E:\TSGS1_105_Athens\Docs\S1-240114.zip) | China Mobile | Study on Artificial Intelligence enhanced IMS Multimedia Telephony Service | Merged into S1-240244 |  |
| Cont | [S1-240115](file:///E:\TSGS1_105_Athens\Docs\S1-240115.zip) | China Mobile | Discussion on Motivation on Artificial Intelligence enhanced IMS Multimedia Telephony Service | Noted |  |
| 3GPP Subnetworks | | | | | |
| WID | [S1-240121](file:///E:\TSGS1_105_Athens\Docs\S1-240121.zip) | Robert Bosch GmbH, Siemens, Fraunhofer IIS | SID on 3GPP Subnetworks | Revised to S1-240247 |  |
| WID | [S1-240247](file:///E:\TSGS1_105_Athens\docs\S1-240247.zip) | Robert Bosch GmbH, Siemens, Fraunhofer IIS | SID on 3GPP Subnetworks | Revised to S1-240265 | Revision of S1-240121. |
| WID | [S1-240265](file:///E:\TSGS1_105_Athens\docs\S1-240265.zip) | Robert Bosch GmbH, Siemens, Fraunhofer IIS | SID on 3GPP Subnetworks | Noted | *Revision of S1-240121.*  Revision of S1-240247. |
| Cont | [S1-240120](file:///E:\TSGS1_105_Athens\Docs\S1-240120.zip) | Robert Bosch GmbH, Siemens, Fraunhofer IIS | Motivation for 3GPP Subnetworks | Noted |  |
| Distributed Customization Network Services | | | | | |
| WID | [S1-240122](file:///E:\TSGS1_105_Athens\Docs\S1-240122.zip) | China Telecom | New SID on Distributed Customization Network Services | Revised to S1-240248 |  |
| WID | [S1-240248](file:///E:\TSGS1_105_Athens\docs\S1-240248.zip) | China Telecom | New SID on Distributed Customization Network Services | Withdrawn | Revision of S1-240122. |
| Cont | [S1-240124](file:///E:\TSGS1_105_Athens\Docs\S1-240124.zip) | China Telecom | Example use case on distributed customization network services | Noted |  |
| Cont | [S1-240127](file:///E:\TSGS1_105_Athens\Docs\S1-240127.zip) | China Telecom | Discussion on Distributed Customization Network Services | Revised to S1-240177 |  |
| Cont | [S1-240177](file:///E:\TSGS1_105_Athens\docs\S1-240177.zip) | China Telecom | Discussion on Distributed Customization Network Services | Noted | Revision of S1-240127. |
| Supporting 2Tx/2Rx Multi-SIM (MUSIM) UE | | | | | |
| WID | [S1-240134](file:///E:\TSGS1_105_Athens\Docs\S1-240134.zip) | CableLabs | Study on supporting 2Tx/2Rx Multi-SIM (MUSIM) UE | Revised to S1-240136 |  |
| WID | [S1-240136](file:///E:\TSGS1_105_Athens\docs\S1-240136.zip) | CableLabs | Study on supporting 2Tx/2Rx Multi-SIM (MUSIM) UE | Revised to S1-240249 | Revision of S1-240134. |
| WID | [S1-240249](file:///E:\TSGS1_105_Athens\docs\S1-240249.zip) | CableLabs | Study on supporting 2Tx/2Rx Multi-SIM (MUSIM) UE | Noted | *Revision of S1-240134.*  Revision of S1-240136. |
| Cont | [S1-240135](file:///E:\TSGS1_105_Athens\Docs\S1-240135.zip) | CableLabs | Discussion on supporting 2Tx/2Rx Multi-SIM (MUSIM) UE | Noted |  |
| NW extension | | | | | |
| WID | [S1-240143](file:///E:\TSGS1_105_Athens\Docs\S1-240143.zip) | Qualcomm | New SID on Supplemental NW extension | Revised to S1-240250 |  |
| WID | [S1-240250](file:///E:\TSGS1_105_Athens\docs\S1-240250.zip) | Qualcomm | New SID on Supplemental NW extension | Noted | Revision of S1-240143. |
| Cont | [S1-240142](file:///E:\TSGS1_105_Athens\Docs\S1-240142.zip) | Qualcomm | Supplemental NW extension - Overview | Noted |  |
| Other technical contributions | | | | | |
| Other non-technical contributions | | | | | |
| KVIs related contributions | | | | | |
| Cont | [S1-240100](file:///E:\TSGS1_105_Athens\Docs\S1-240100.zip) | Nokia, Nokia Shanghai Bell | An initial proposal to address key societal values in 6G in SA1 | Noted |  |
| Cont | [S1-240025](file:///E:\TSGS1_105_Athens\Docs\S1-240025.zip) | Sony | Thoughts on the Introduction of (Key) Values in SA1 | Noted |  |
| Cont | [S1-240104](file:///E:\TSGS1_105_Athens\Docs\S1-240104.zip) | Ericsson, Eurolab | Consideration for KV | Noted |  |
| Cont | [S1-240107](file:///E:\TSGS1_105_Athens\Docs\S1-240107.zip) | China Telecom | Discussion on the Key Value Indicator | Noted |  |
| Cont | [S1-240116](file:///E:\TSGS1_105_Athens\Docs\S1-240116.zip) | Huawei | Discussion on usage of Key Value / Key Value Indicators in 3GPP | Noted |  |
| Cont | [S1-240117](file:///E:\TSGS1_105_Athens\Docs\S1-240117.zip) | Samsung | Discussion of Evaluating Values | Noted |  |
| Cont | [S1-240133](file:///E:\TSGS1_105_Athens\Docs\S1-240133.zip) | China Mobile | Discussion on potential KVI input from ITU | Noted |  |
| Cont | [S1-240139](file:///E:\TSGS1_105_Athens\Docs\S1-240139.zip) | Vodafone | Discussion on Key Values (KVs) and Key Value Indicators (KVIs) | Noted |  |
| Cont | [S1-240144](file:///E:\TSGS1_105_Athens\Docs\S1-240144.zip) | KPN, TNO | Discussion on KVs and KVIs | Noted |  |
| Cont | [S1-240230](file:///E:\TSGS1_105_Athens\docs\S1-240230.zip) | Nokia, Nokia Shanghai Bell | Next steps regarding KVIs | Noted |  |
| Others | | | | | |
| Cont | [S1-240111](file:///E:\TSGS1_105_Athens\Docs\S1-240111.zip) | China Telecom | Series New Features Towards Future Rel-20 performance | Noted | Out of scope of the agenda of this meeting |
| Cont | [S1-240130](file:///E:\TSGS1_105_Athens\Docs\S1-240130.zip) | Nokia, Nokia Shanghai Bell, KDDI, SK Telecom, Rakuten Mobile, Spark NZ, Reliance Jio, KT Corp., LG Uplus, ETRI, Thales, Novamint, Sateliot | Structure considerations for SA1 Rel-20 Part B study | Noted | Out of scope of the agenda of this meeting |
| Work Item/Study Item progress | | | | | |
| Session information outputs | | | | | |
| REP | [S1-240240](file:///E:\TSGS1_105_Athens\docs\S1-240240.zip) | Session Chair | FS\_ISN drafting report | Agreed |  |
| REP | [S1-240241](file:///E:\TSGS1_105_Athens\docs\S1-240241.zip) | Session chair | KVI drafting report | Agreed |  |
| Work Item/Study Item status update | | | | | |
| Next meetings (calendar) | | | | | |
| **2024 meetings:**  SA1#105Adhoc 8-10 May 2024 Rotterdam (The Netherlands)  SA1#106 27-31 May 2024 Jeju (Korea)  SA1#107 19-23 Aug 2024 Maastricht (The Netherlands)  SA1#108 18-22 Nov 2024 Orlando (US) | | | | | |
| Any other business | | | | | |
| Close | | | | | |
| Close latest by 16:00 CET on Friday 1 March 2024 | | | | | |