**3GPP TSG-SA WG1 Meeting #94e**

**Electronic Meeting, 10 – 20 May 2021**

# tdoc list SA1#94 version END OF MEETING

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| Order | Ag.Item | Tdoc # | Source | Title | Type | Spec | CR# | r | cat | Version in | Rel | WI | Summary | Discussion | Conclusion |
| 01 | 1.2 | [**S1-211000**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211000.zip) | Chair | Draft agenda for SA1#94e | agenda |  |  |  |  |  |  |  |  |  | Revised to S1-211001 |
| 02 | 1.2 | S1-211001 | Chair | 2nd Draft agenda for SA1#94e | agenda |  |  |  |  |  |  |  |  | Revision of S1-211000. | Agreed |
| 04 | 1.2 | S1-211002 | Chair | Agenda for SA1#94e with tdoc allocation | agenda |  |  |  |  |  |  |  |  |  | Withdrawn |
| 02 | 1.4 | S1-211004 | ETSI MCC | Draft minutes of SA1#93e | report |  |  |  |  |  |  |  |  |  | Revised to S1-211005 |
| 03 | 1.4 | S1-211005 | ETSI MCC | Minutes of SA1#93e | report |  |  |  |  |  |  |  |  | Revision of S1-211004. | Agreed |
| 01 | 2 | S1-211003 | Chair | SA1-related topics at SA#91e | report |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 2 | [S1-211006](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211006.zip) | ETSI MCC | Workplan presentation for SA1#94e | Work Plan |  |  |  |  |  |  |  |  |  | Noted |
| 03 | 2 | [**S1-211007**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211007.zip) | Chair | Guidelines for SA1#94e (e-meeting) | other |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 2 | [S1-211008](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211008.zip) | Chair | ToR | other |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 3 | [S1-211262](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211262.zip) | C1-210437 | LS on selecting a PLMN not allowed in the country where a UE is physically located | LS in |  |  |  |  |  |  |  | Q1: Can a UE using satellite access select a PLMN not allowed in the country where the UE is physically located?  Q2: If the answer to Question 1 is yes, what are the services that a UE can obtain by a PLMN not allowed in the country where the UE is physically located?  CT1 asks SA1 to provide an answer to Question 2 if the answer to Question 1 from SA3-LI is yes. | Proposed answer in S1-211298 | Noted |
| 03 | 3 | [S1-211281](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211281.zip) | S3i210129 | Reply LS on selecting a PLMN not allowed in the country where a UE is physically located | LS in |  |  |  |  |  |  |  | SA3 answers to Q1 is “no”… | KPN might still see the need to answer to CT1. This is to be further discussed by e-mail. | Noted |
| 04 | 3 | [S1-211269](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211269.zip) | C1-212600 | LS on selecting a PLMN not allowed in the country where a UE is physically located | LS in |  |  |  |  |  |  |  | Following SA3li’s answer, CT1 now ask SA1:  1. Should a UE, with or without a USIM, attempt to obtain emergency services from a PLMN not allowed to operate in the country of the UE’s location?  2. Should a UE, with or without a USIM, always expect to obtain emergency services from a PLMN allowed to operate in the country in the UE location?  3. If the answer to any of the above questions is no, could SA1 provide the necessary guidance for selecting a PLMN that can provide emergency services to the UE over satellite access? |  | Noted |
| 05 | 3 | [**S1-211122**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211122.zip) | NTT DOCOMO INC. | [DRAFT] Reply LS on selecting a PLMN not allowed in the country where a UE is physically located | LS out |  |  |  |  |  | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) |  |  | This content has been taken into account when revising 1236. Merge into  S1-211236r1 | Merged |
| 06 | 3 | [**S1-211236**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211236.zip) | TNO | Reply LS to CT1 (cc SA3LI, SA2) on selecting a PLMN not allowed in the country where a UE is physically located | LS out |  |  |  |  |  |  |  | Rev1 presented.  Proposed answers:  Q1: This depends on how the UE knows the PLMN is not allowed to operate at the UE’s location.  Q2: Yes.  Q3: The UE should first determine a most suitable PLMN based on its own physical location determination. As there may be border cases where the UE cannot determine sufficiently accurate or sufficiently precise in which country it is, the UE may also still attempt to obtain (emergency) services from a PLMN that according to the UE is not allowed to operate in the country of the UE’s location. If the PLMN indicates it is not allowed to operate in the country of the UE’s location, the UE should (re)-attempt emergency calls. | Rev2 presented.  Rev3 agreed just to remove the rev marks. | Revised to S1-211319 |
| 07 | 3 | S1-211319 | TNO | Reply LS to CT1 (cc SA3LI, SA2) on selecting a PLMN not allowed in the country where a UE is physically located | LS out |  |  |  |  |  |  |  | Replaces S1-211236 | Same as r3  Revision of S1-211236. | Agreed |
| 08 | 3 | [S1-211298](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211298.zip) | KPN | LS to CT1 (cc SA2, SA3-LI) answer on selecting a PLMN not allowed in the country where a UE is physically located | LS out |  |  |  |  |  |  |  | Proposed answer to C1-210437/S1-211262 | “SA1 agrees with the answer provided by SA3LI (S3i210129) to the CT1 LS.  In addition,” -> to be deleted  Rev1 agreed | Revised to S1-211503 |
| 08r | 3 | S1-211503 | KPN | LS to CT1 (cc SA2, SA3-LI) answer on selecting a PLMN not allowed in the country where a UE is physically located | LS out |  |  |  |  |  |  |  | Replaces S1-211298 |  | Agreed. |
| 10 | 3 | [S1-211268](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211268.zip) | C1-212597 | LS on RAT prioritization for UEs supporting satellite access | LS in |  |  |  |  |  |  |  | According to TS 22.261, 6.2.4 Roaming related requirements,  - UEs supporting satellite access shall support optimized network selection and reselection to PLMNs with satellite access, based on home operator policy.  CT1 would like to ask SA1, whether the solutions for prioritization of a specific RAT described above would require additional service requirements from SA1. If yes, CT1 asks SA1 to decide whether the proposed enhancement is acceptable and agree any changes to the stage 1 specifications SA1 deem necessary. |  | Noted |
| 11 | 3 | [**S1-211249**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211249.zip) | Qualcomm Korea | Reply LS to CT1 on RAT prioritization for UEs supporting satellite access | LS out |  |  |  |  |  |  |  | It is proposed to answer:  SA1 understanding and agreement are:  - the existing requirement quoted above (from 22.261) would not fully cover the proposed prioritization scenario, so additional or updated requirements would be needed.  - SA1 concluded that the above scenario would be beneficial, and agreed the CR to clarify/add corresponding requirements.  The CR is in 1237. | orig.  (o: New revisions)  Rev2 agreed. | Revised to S1-211362 |
| 12 | 3 | S1-211362 | Qualcomm | Reply LS on prioritizing Satellite RAT for PLMN selection | Report |  |  |  |  |  |  |  | Revision of S1-211249 | Same as r2  Revision of S1-211249. | Agreed |
| 13 | 3 | [**S1-211237**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211237.zip) | Qualcomm Incorporated | Optimizing prioritization of satellite RAT for PLMN selection | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0529 |  | F | 17.6.0 | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**TEI17**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850047) | The CR adds a new requirement to include support of optimal prioritization of Satellite access (vs other RATs) across PLMNs, during PLMN selection. | No mirror CR?  Apple and LG wonder about the real-life use case for this to happen.  Discussion to be continued by e-mail. | Noted |
| 15 | 3 | [S1-211263](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211263.zip) | C1-211192 | LS on disaster roaming for MINT related to PLMN change | LS in |  |  |  |  |  |  |  | CT1 is under the solution evaluation for MINT and would like to ask SA1:  Q1: Can disaster roaming service be provided to the UE in disaster area by the PLMN with Disaster Condition over 3GPP access?  Q2: Can disaster roaming service be provided to the UE in disaster area by the PLMN with Disaster Condition over non-3GPP access? |  | Noted |
| 16 | 3 | [**S1-211116**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211116.zip) | LG Electronics France | Reply LS to CT1 on disaster roaming for MINT related to PLMN change | LS out |  |  |  |  |  |  |  | Rev2 presented.  A1: No. In the area where a PLMN can provide services for a UE, the PLMN is not considered as a PLMN with Disaster condition in that area for that UE.  A2: No. Disaster roaming service is provided when the UE cannot be provided with any service from the PLMN it normally receives. If a UE supporting a non-3GPP access can get a service over a non-3GPP access for a PLMN which is having problem with 3GPP access, the UE is not eligible for disaster roaming. | Qualcomm, Apple, Huawei, Vodafone can agree with rev2.  For Samsung, the UE behaviour has to be further clarified. They have some concerns with the last sentence.  Nokia want more time to check.  Coming back on this document: agreeable.  Rev3 agreed (to remove change marks). | Revised to S1-211318 |
| 17 | 3 | S1-211318 | LG Electronics France | Reply LS to CT1 on disaster roaming for MINT related to PLMN change | LS out |  |  |  |  |  |  |  | Replaces S1-211116 | Same as r3  Revision of S1-211116. | Agreed |
| 18 | 3 | [**S1-211146**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211146.zip) | Huawei Technologies R&D UK | Reply LS on disaster roaming for MINT related to PLMN change | LS out |  |  |  |  |  |  |  |  | Merged in 1116r2 | Merged |
| 19 | 3 | [**S1-211139**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211139.zip) | Huawei Technologies R&D UK | Discussion on SA1 service requirements in support for Minimization of service INTerruption (MINT) | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 21 | 3 | [S1-211264](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211264.zip) | C1-211237 | LS on HPLMN control of devices that should not use disaster roaming service | LS in |  |  |  |  |  |  |  | CT1 asks if there is a requirement for the HPLMN to preclude certain UEs from attempting to use disaster roaming service. | Proposed answers in 1203, 1246 and 1117. | Noted |
| 22 | 3 | [**S1-211203**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211203.zip) | Samsung R&D Institute UK | [DRAFT] LS to CT1 Reply on HPLMN control of devices that should not use disaster roaming service | LS out |  |  |  |  |  | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**MINT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850045) | SA1 answers that while there is no specific requirement to provide this control from the HPLMN, the existing requirement is general enough to allow this:  TS 22.261, 6.31.2.3: The 3GPP system shall minimize congestion caused by Disaster Roaming.  The CR in 1201 calrifies this point. | Rev1 agreeable | Revised to S1-211320 |
| 23 | 3 | S1-211320 | Samsung R&D Institute UK | [DRAFT] LS to CT1 Reply on HPLMN control of devices that should not use disaster roaming service | LS out |  |  |  |  |  | Rel-17 | MINT | Replaces S1-211203 | Same as r2  Revision of S1-211203. | Agreed |
| 24 | 3 | [**S1-211201**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211201.zip) | Samsung R&D Institute UK | Clarification for Congestion Avoidance for MINT | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0527 |  | F | 17.6.0 | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**MINT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850045) | MINT services are intended to serve to provide communication for those who need it urgently during a disaster situation. This CR offers clarification to accompany an LS reply to C1-211237 | Samsung explains that this is really needed, both for business reasons and for congestion reasons, in particular with IoT devices.  There is a consensus that IoT devices should not access in this congestion context. The problem is to know if the existing mechanisms are enough (Qualcomm, LG, etc view) whereas Samsung, Vivo, etc think that a new requirement is needed.  New requirement needed: 9 companies (including Samsung, TIM, Telefonica, Vodafone, etc.)  Enough: 4 companies (including Qualcomm, LGE, LG Uplus)  Rev1 agreeable. | Revised to S1-211321 |
| 25 | 3 | S1-211321 | Samsung R&D Institute UK | Clarification for Congestion Avoidance for MINT | CR | 22.261 | 0527 | 1 | F | 17.6.0 | Rel-17 | MINT | Replaces S1-211201 | Same as R2  Revision of S1-211201. | Agreed |
| 26 | 3 | [**S1-211202**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211202.zip) | Samsung R&D Institute UK | Clarification for Congestion Avoidance for MINT | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0528 |  | A | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**MINT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850045) | Mirror CR | Rev1 agreeable, clean-up needed | Revised to S1-211322 |
| 27 | 3 | S1-211322 | Samsung R&D Institute UK | Clarification for Congestion Avoidance for MINT | CR | 22.261 | 0528 | 1 | A | 18.2.0 | Rel-18 | MINT | Replaces S1-211202 | Same as R2  Revision of S1-211202. | Agreed |
| 28 | 3 | [**S1-211246**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211246.zip) | Qualcomm Korea | Reply LS on HPLMN control of disaster roaming service | LS out |  |  |  |  |  |  |  | To Qualcomm, there is no such a requirement and there should not be. |  | Noted |
| 29 | 3 | [**S1-211117**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211117.zip) | LG Electronics France | Reply LS on HPLMN control of devices that should not use disaster roaming service | LS out |  |  |  |  |  |  |  | Rev1 presented.  LG has the same opinion as Qualcomm. | To be merged in 1246.  For KPN and Huawei, there should be a HPLMN control.  Vivo supports Samsung’s view. | Noted |
| 31 | 3 | [S1-211265](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211265.zip) | C1-211324 | LS on disaster roaming and non-public network hosted by a PLMN | LS in |  |  |  |  |  |  |  | CT1 ask: When a CAG (closed Access Group)-supporting UE determines that Disaster Condition applies, and a PLMN can provide disaster roaming to the UE, is the UE without CAG configuration for the PLMN allowed to select and register on a CAG cell of the PLMN? | Proposed answers in 1118 and 1200. | Noted |
| 32 | 3 | [**S1-211118**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211118.zip) | LG Electronics France | Reply LS to CT1 on disaster roaming and non-public network hosted by a PLMN | LS out |  |  |  |  |  |  |  | Rev2 presented.  Proposed answer:  A CAG cell is reserved for the use of a specific set of UEs and it is provided when the UEs have at least subscription for a PLMN. Even if a UE has subscription for a PLMN, when the UE does not have valid authorization for a CAG of the PLMN, the UE cannot access the CAG cell of the PLMN.  Rel-16 requirements apply for UE's access to CAG cells. I.e. for automatic selection, access to CAG cell of a PLMN for which the UE is not configured is not allowed. For manual selection, access to CAG cell of a PLMN for which the UE is not configured is allowed only when the CAG cell indicates that manual selection is possible. | KPN, Ericsson, Huawei support this view.  Agreeable, clean-up needed. | Revised to S1-211323 |
| 33 | 3 | S1-211323 | LG Electronics France | Reply LS to CT1 on disaster roaming and non-public network hosted by a PLMN | LS out |  |  |  |  |  |  |  | Replaces S1-211118 | Moved from 4  Same as r4  Revision of S1-211118. | Agreed |
| 34 | 3 | [**S1-211200**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211200.zip) | Samsung R&D Institute UK | [DRAFT] LS Reply on disaster roaming and non-public network hosted by a PLMN | LS out |  |  |  |  |  | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) |  | Proposes a reply LS to C1-211324.  SA1 answers: yes, this is possible.  “CAG” is not defined in SA1, only “Non-Public network”. | CAG out of disaster roaming): 9 companies (including LG, Deutsch Telecom, Vodafone, etc)  CAG can be used: 2 companies (Samsung & InterDigital)  Conclusion: LG’s approach to be used as a basis for the answer. LG should use SA1’s terminology (no “CAG”, etc). | Noted |
| 35 | 3 | [**S1-211199**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211199.zip) | Samsung R&D Institute UK | MINT and CAG | discussion |  |  |  |  |  | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) |  | This document provides a brief discussion of use of MINT in networks in which CAG cells exist. | Supporting paper for 1200. | Noted |
| 37 | 3 | [S1-211278](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211278.zip) | RP-210919 | LS on Unified Access Control (UAC) for RedCap | LS in |  |  |  |  |  |  |  | RAN asks SA1 and CT1 to provide feedback to RAN and RAN2 regarding potential extension of UAC in relation to RedCap devices, including whether any RRC impact is expected. | CT1’s answer in 1266. | Noted |
| 38 | 3 | [S1-211266](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211266.zip) | C1-212395 | Reply LS on Unified Access Control (UAC) for RedCap | LS in |  |  |  |  |  |  |  | From CT1 perspective, it would be possible to extend UAC to support differentiation between RedCap and non-RedCap UEs via creation of one or more new Access Identities, creation of one or more new Access Categories, or both of them.  CT1 will follow SA1’s requirement on UAC for RedCap UEs. | SA1’s proposed answer in 1038, 1119 , 1156 and 1239. | Noted |
| 39 | 3 | [**S1-211038**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211038.zip) | vivo | [DRAFT] Reply LS on Unified Access Control (UAC) for RedCap | LS out |  |  |  |  |  | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) |  | SA1 has discussed the use cases for Redcap devices and agreed the requirement on UAC for Redcap as per the CR in 1042. |  | Noted |
| 40 | 3 | [**S1-211039**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211039.zip) | vivo | Discussion on UAC for RedCap devices | discussion |  |  |  |  |  | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) |  |  |  | Noted |
| 41 | 3 | [**S1-211042**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211042.zip) | vivo | UAC for Redcap devices | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0516 |  | F | 17.6.0 | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | SMARTER\_Ph2,cyberCAV,CMED,eCAV | The CR adds:  - A new Access Identity for RedCap is defined to support differentiation between RedCap and non-RedCap UEs.  - For emergency service, voice call and MO signalling resulting from paging, the 5G network shall apply the same access control for access attempt from Redcap and non-Redcap devices.  - For other service except for emergency service, voice call and MO signalling resulting from paging, the 5G network shall be able to apply the different access control for access attempt from Redcap and non-Redcap devices. | cyberCAV Rel-17 CR0516R1 Cat B | Noted |
| 42 | 3 | [**S1-211043**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211043.zip) | vivo | UAC for Redcap devices | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0517 |  | A | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | SMARTER\_Ph2,cyberCAV,CMED,eCAV |  | cyberCAV Rel-18 CR0517R1 Cat A | Noted |
| 43 | 3 | [**S1-211119**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211119.zip) | NTT DOCOMO INC. | [DRAFT] Reply LS on Unified Access Control (UAC) for RedCap | LS out |  |  |  |  |  | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) |  | For DoCoMo, the current UAC is sufficient, no need to extend it.  This is what they propose to answer to RAN. | Merged in 1156. | Merged |
| 44 | 3 | [**S1-211156**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211156.zip) | Huawei, Huawei Device | Reply LS to RAN, CT1, RAN2 on Unified Access Control (UAC) for RedCap | LS out |  |  |  |  |  | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**NR\_redcap**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900062) | LS reply to RP-210919  As DoCoMo, Huawei propose to answer:  SA1 has considered the potential extension of UAC in relation to RedCap devices and concluded that no new UAC Access Category or Access Identity is required. | Rev1 presented.  Vivo prefer to have more time in between meetings to further discuss this topic.  Qualcomm need more time to check internally.  Samsung and Apple support the Huawei’s LS.  Apple wonder if Vivo’s concern is linked to some incompatibility between UAC and cell-baring when applied together. Vivo acknowledge.  Rev2 still not agreeable.  Vivo want to give more time to RAN/RAN2 to progress. Huawei and Ericsson inform that this topic has been delayed already twice.  A clear majority support sending this LS as per rev2. Vivo still have an objection however the chair decided to send this LS, so the LS is going to be sent. | Revised to S1-211363 |
| 45 | 3 | S1-211363 | Huawei, Huawei Device | Reply LS on Unified Access Control (UAC) for RedCap | Report |  |  |  |  |  |  |  | Revision of S1-211156 | Same as 156r3  Revision of S1-211156. | Agreed |
| 46 | 3 | [**S1-211155**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211155.zip) | Huawei, Huawei Device | Discussion on whether introduce new UAC AC and AI for RedCap UE | discussion |  |  |  |  |  | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) |  | This document discusses whether introduce new UAC AC and/or AI for RedCap UE. The document concludes that there is no need to introduce new UAC AC and/or AI for RedCap UE. |  | Noted |
| 47 | 3 | [**S1-211239**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211239.zip) | Qualcomm Korea | Reply LS on UAC for RedCap | LS out |  |  |  |  |  |  |  | Qualcomm’s view is intermediate as they propose to answer:  • Extending UAC for RedCap devices, i.e. for UAC differentiation between RedCap and non-RedCap UEs, would be possible, for example by defining a new UAC access category for RedCap UEs.  • SA1 would leave it up to RAN2 to assess specific RRC impacts of extending UAC for RedCap, including possible overlapping or issues with other RedCap specific radio barring mechanisms being discussed/considered by RAN2. | For Samsung, the current access categories are not enough.  Nokia. Apple and Intel are more for the Huawei’s approach.  For Huawei, there are 2 questions: Make a change to UAC or not? IF yes, do we go for Vivo or Qualcomm?  Need for a new UAC mechanism for RedCap: 4 companies (vivo, Oppo, Convida, CATT)  No need for a new UAC: 19 companies (including Huawei, Qualcomm, Orange, Intel, etc)  Conclusion: the assumption is that there is no need to extend the UAC. | Noted |
| 48 | 3 | [**S1-211260**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211260.zip) | Qualcomm Korea | Considerations on UAC for RedCap | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 50 | 3 | [S1-211280](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211280.zip) | S2-2102014 | LS on hold and forward buffer support for VIAPA services | LS in |  |  |  |  |  |  |  | SA2 ask if there is an existing Rel-17 requirement for 5GS to support hold and forward functionality for VIAPA scenarios.  They also ask SA4 whether professional audio and video applications expect the 5GS to de-jitter the traffic (e.g. using a hold/forward buffer) so that audio/video samples do not arrive earlier than the expected arrival time? | Proposed answers in 1243 (no requirement needed) and 1290 (requirement needed). | Noted |
| 51 | 3 | [S1-211283](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211283.zip) | S4-210619 | Reply LS to SA2 on hold and forward buffer support for VIAPA services | LS in |  |  |  |  |  |  |  | SA4’s answer to the SA2’s question addressed to SA4 in 1280. |  | Noted |
| 52 | 3 | [**S1-211243**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211243.zip) | Qualcomm Korea | Reply LS to SA2 (cc SA4) on hold and forward buffer | LS out |  |  |  |  |  |  |  | Qualcomm proposes to answer that there is no requirement and no requirement is needed. | Rev1 agreeable | Revised to S1-211324 |
| 53 | 3 | S1-211324 | Qualcomm Korea | Reply LS to SA2 (cc SA4) on hold and forward buffer | LS out |  |  |  |  |  |  |  | Replaces S1-211243 | Same as R2  Revision of S1-211243. | Agreed |
| 54 | 3 | [S1-211290](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211290.zip) | Nokia | [DRAFT] LS to SA2 (cc SA4) on hold and forward buffer support for VIAPA services | LS out |  |  |  |  |  |  |  | Response to S2-2102014 | Different views at this stage. More e-mail discussions needed.  No consensus by e-mail | Noted |
| 56 | 3 | [S1-211286](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211286.zip) | S4-210680 | LS on Media-Related Services and Requirements | LS in |  |  |  |  |  |  |  | S4 ask SA1 to provide instructions and expectations to SA4 with respect to ongoing Rel-18 work on media-related service requirements. Also, SA4 ask SA1, when approving new work in SA1 related to media, to explicitly tag any needed media related support in the appropriate WID Clause 8. "Aspects that involve other WGs". SA4 also invite SA1, when appropriate in the course of a Study or Work Item related to media, to liaise with SA4 as early as possible. | Proposed answer in 1099 and 1229. | Noted |
| 57 | 3 | [**S1-211099**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211099.zip) | Qualcomm Korea | LS Response on Media-Related Services and Requirements | LS out |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | The SA1 Work Items that could impact SA4 are listed. | See discussion under 1229. | Noted |
| 58 | 3 | [**S1-211229**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211229.zip) | China Mobile Com. Corporation | LS Response to SA4 (cc SA) on Media-Related Services and Requirements | LS out |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | For China Mobile, the tools and mechanisms are already in place. | For several companies, this is “business as usual”, there should not be an LS to tell SA4 to list down all the SA1 items that might impact SA4. The mechanisms are already in place: the Work Plan, the SA1 report to SA, etc.  For Samsung, ths request is specific and should be handled with due respect.  Rev1 presented  Work Plan to be added, other groups to be added.  Rev2 agreed | Revised to S1-211364 |
| 59 | 3 | S1-211364 | China Mobile | LS Response on Media-Related Services and Requirements | LS |  |  |  |  |  |  |  | Revision of S1-211229 | Same as 229r2  Revision of S1-211229. | Agreed |
| 61 | 3 | [S1-211276](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211276.zip) | R2-2104640 | Reply LS on support of PWS over SNPN | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 62 | 3 | [S1-211288](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211288.zip) | SP-210263 | LS on the support for eCall over IMS over SNPN | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 63 | 3 | [S1-211271](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211271.zip) | ETSI SmartM2M(21)057008r2 | LS on the start of ETSI STF601 about Cross-domain usability of IoT devices for humans and machines | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 64 | 3 | [S1-211272](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211272.zip) | GSMA ACJA LS\_24Mar21 | Promotion of ACJA WebTalk The Power of Partnership – Clear  Skies Ahead for Connected Drones | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 65 | 3 | [S1-211273](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211273.zip) | GSMA ACJA LS\_UAV | 3GPP SA1 clarifications on problematic UAV | LS in |  |  |  |  |  |  |  | ACJA thanks 3GPP SA WG1 for their liaison statement in S1-210359.  ACJA has discussed the changes to TS 22.125. With respect to the newly formulated  requirement:  [R-5.1-017] The 3GPP system shall support the UTM in detection of UAV operating without authorization.  ACJA expresses concerns about the feasibility and logic of such requirement and sees the scenarios below to be considered: | This might need further discussions at next meeting. | Postponed |
| 66 | 3 | [S1-211274](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211274.zip) | 5G-ACIA-LS-2021-001 | LS on 5G capabilities exposure for factories of the future | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 67 | 3 | [S1-211277](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211277.zip) | RP-210884 | Reply LS on 3GPP NR Rel-16 URLLC and IIoT performance evaluation | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 68 | 3 | [S1-211267](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211267.zip) | C1-212539 | LS to ITU-T on extraterritorial use of MCC+MNC for satellite networks | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 69 | 3 | [S1-211270](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211270.zip) | C1-212601 | LS on limited service availability of an SNPN | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 70 | 3 | [S1-211275](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211275.zip) | R2-2102489 | Clarification request for eNPN features | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 71 | 3 | [S1-211279](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211279.zip) | S2-2101076 | Reply LS on clarification request for eNPN features | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 72 | 3 | [S1-211285](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211285.zip) | S1-210283/ R2-2102489 | Clarification request for eNPN features | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 73 | 3 | [S1-211282](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211282.zip) | S3i210282 | Reply LS on UE location aspects in NTN | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 74 | 3 | S1-211287 | ITU-T FG-VM | LS on the latest results on the Vehicular Multimedia deliverables from ITU FG-VM | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 75 | 3 | S1-211291 | ITU-T SG16-LS241 | LS on new work item F.MOCN-MS "Requirements for multi-operator core network enabled multimedia services" | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 76 | 3 | S1-211292 | ITU-T SG16-LS263 | LS on a new work item for requirements of interactive immersive services ITU-T H.IIS-reqts | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 77 | 3 | [S1-211284](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211284.zip) | S1-210279/ C1-210437 | LS on selecting a PLMN not allowed in the country where a UE is physically located | LS in |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 4 | S1-211326 | Not used | Not used | Other |  |  |  |  |  |  |  |  |  | Withdrawn |
| 02 | 4 | [**S1-211120**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211120.zip) | OPPO | New SID: Study on Wireless Power Sourcing enabled Communication Services in 5GS | SID new |  |  |  |  |  |  |  |  | Authors agreed to bring back the contribution next SA1#95. | Noted |
| 03 | 4 | [**S1-211121**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211121.zip) | OPPO | Motivation of support wireless power sourcing enabled communication services in 5GS | SID new |  |  |  |  |  |  |  |  | Authors agreed to bring back the contribution next SA1#95. | Noted |
| 05 | 4 | [S1-211316](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211316.zip) | Chair & MCC | Proposed revision of section 8 of the WID template | Discussion |  |  |  |  |  |  |  | A revision of section 8 is proposed to indicate that this section is best effort, for information and that aspects outside SA1 can be referenced by name or by WGs. | Edited while sharing the screen.  Section 8 not to be filled at this meeting. SA1 WIDs can be revised later on to include information for this section.  Rev1 presented to include comments from the group. | Endorsed |
| 06 | 4 | [**S1-211066**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211066.zip) | OPPO | New WID on AI/ML model transfer in 5GS | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | The objective is to specify performance requirements (e.g. end-to-end latency, experienced data rate, communication service availability) and service requirements for 5GS to support the following AI/ML operations for various applications (e.g. image/speech recognition, media editing/enhancements, robot control, automotive):  • AI/ML operation splitting between AI/ML endpoints;  • AI/ML model/data distribution and sharing over 5G system;  • Distributed/Federated Learning over 5G system. | A new TS is preferred (in addition to a CR to 22.261) to explain the new AI/ML service.  For Qualcomm and Nokia, maybe a new “type of 22.261” for 5G evolution can be introduced.  For T-Mobile, Nokia, Deutsche Telekom and Ericsson, there is not enough material to create a new TS, a CR to 22.261 is seen as enough. A specific annex can be created if needed.  Interdigital wonder if it will introduce limitations on not being able to use this Feature on 4G if the material goes in 22.261.  The author agreed to have it in 22.261, so no new TS to be created.  Rev4 : LG is supporting.  Rev5 agreed. | Revised to S1-211365 |
| 07 | 4 | S1-211365 | OPPO | New WID on AI/ML model transfer in 5GS | WID new |  |  |  |  |  |  |  | Revision of S1-211066 | Same as 066r5  Revision of S1-211066. | Agreed |
| 08 | 4 | [**S1-211113**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211113.zip) | China Mobile Com. Corporation | New WID on Evolution of IMS Multimedia Telephony Service | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Revised to S1-211134 |
| 09 | 4 | [**S1-211134**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211134.zip) | China Mobile Com. Corporation | New WID on Evolution of IMS Multimedia Telephony Service | WID new WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  | Rev3 agreed. | Revised to S1-211366 |
| 10 | 4 | S1-211366 | China Mobile | New WID on Evolution of IMS Multimedia Telephony Service | WID new |  |  |  |  |  |  |  |  | Revision of S1-211113.  Same as 134r3  Revision of S1-211134. | Agreed |
| 11 | 4 | [**S1-211235**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211235.zip) | QUALCOMM JAPAN LLC. | New WID: 5G Networks Providing Access to Localized Services | WID new WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | Rev1 presented.  The Objective and the Justifications have been clarified. | KPN and OTD request for regulatory aspects to be included.  Security aspects to be included too.  The title should not start by No "Work Item on".  Ericsson suggest simplifying the bullet to only "regulatory aspects".  Rev7 | Revised to S1-211367 |
| 12 | 4 | S1-211367 | Qualcomm | New WID: 5G Networks Providing Access to Localized Services | WID new |  |  |  |  |  |  |  |  | Same as 235r8  Revision of S1-211235. | Agreed |
| 13 | 4 | [**S1-211151**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211151.zip) | China Telecomunication Corp. | WID on Smart Energy and Infrastructure | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | This work item aims at specifying 5G service requirements to support Smart Grid applications and operation. The work item is based on the conclusions of the preceding study FS\_5GSEI. | This was already presented at previous meeting, where it was agreed to re-submit it at this meeting.  Several companies (Qualcomm, Nokia, etc.) think that a new TS is not needed.  Rev1: agreed | Revised to S1-211368 |
| 14 | 4 | S1-211368 | China Telecom | WID on Smart Energy and Infrastructure | WID new |  |  |  |  |  |  |  |  | Same as 151r1  Revision of S1-211151. | Agreed |
| 15 | 4 | [**S1-211215**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211215.zip) | China Mobile Com. Corporation | new WID on supporting tactile and multi-modality communication service | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | Rev1 presented.  The objective of this work item is to identify and specify stage 1 5G service requirements to support tactile and multi-modality communication services. | Nokia wonder about the timing, when the corresponding study is not completed. China Mobile explain that there is very limited time to do the normative work.  Qualcomm and Nokia are not ready to agree at this meeting.  Initially agreed, then noted since corresponding CR in S1-211108 could not be agreed. | Noted |
| 16 | 4 | [**S1-211251**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211251.zip) | Qualcomm Incorporated | New WID on Vehicle Relays | WID new |  |  |  |  |  |  |  | Rev1 presented.  The aim of this work is to define normative service requirements for 5GS support of vehicle-mounted mobile relays, based on the consolidated potential requirements derived from the FS\_VMR study, captured in TR 22.839. | Block B  Terminology to by aligned.  The associated CR in S1-211248 could not be agreed. | Revised to S1-211501 |
| 17 | 4 | S1-211501 | Qualcomm | New WID on Vehicle Relays | WID new |  |  |  |  |  |  |  |  | Same as 251r2  Revision of S1-211251. | Noted |
| 18 | 4 | [**S1-211086**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211086.zip) | vivo Mobile Communication Co., KPN, Convida Wireless, LG Electronics, T-Mobile USA | Service requirements for Network of Networks | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | This work item shall specify requirements for using the 5G system for Residential and Personal IoT Networks (local networks that connect to the 5G network) as presented in TR 22.858 and TR 22.859.  A new TS is proposed to be created. | Block B  The name is to be changed (seen as unclear).  It was wondered whether this can be combined in the “Resident” WID.  E.g. KPN, Intel, ChinaUnicom, Philips prefer to have a single WID rather than two (“NETNET” and “Resident”). The main argument is that it simplifies to underline the commonalities and differences, in particular to the other WGs.  Nokia and Qualcomm prefer to have 2 different WIDs.  It was wondered if it is better to have a separate TS or if this can be combined in 22.261.  To be continued by e-mail.  Rev3: new name: “Personal IoT and Residential networks Service Requirements; PIRates”  Qualcomm prefer to continue discussing this in July. | Noted |
| 19 | 4 | S1-211296 | Nokia | Opportunity of creating a new TS for covering different “5G enhanced” services | Discussion |  |  |  |  |  |  |  | The proposal is to create an umbrella TS to accomodate new and smaller topics ("SMARTER BITS") unlikely to grow much in the future.  If a normative WID intends to (a) create a TS or (b) add a new section to 22.261 it is up to SA1 to decide on the landing pad for the outcome of this WI, either: 1. Add outcome to a new section in the umbrella TS  2. (a) create standalone TS to accomodate the outcome of the WI  3. (b) create 22.261 section to accomodate the outcome of the WI | For Ericsson, Futurewei and KPN, creating a new TS for “5G enhanced” services will add complexity: new requirements will have to be dispatched between this document and 22.261. They don’t see 22.261 to be so big to be a problem.  Some companies (Intel, vivo, Sony,…) see this document as a potential graveyard for not-fully-defined Feature.  Futurewei mention that this approach would not help in finding commonalities between Features.  Samsung also think that the size of 22.261 is acceptable, even if it continues to grow.  LGE, Intel, Orange and Deutsche Telekom do not support this idea neither.  New thread opened.  No support received. | Noted |
| 22 | 4 | [**S1-211055**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211055.zip) | Philips International B.V. | New WID on clarifying NPN requirements | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | The work item will add a new clause to Section 6 on “Non-Public Networks” to TS 22.261 to clarify which requirements in the other sections of 22.261 apply to NPNs. | See corresponding documents in 1057 and 1058.  For KPN, stating whether a particular requirement applies to NPN or not should be done section by section and not in an NPN section.  For Samsung, this is a general problem. An appropriate solution shall be found to state what requirement applies to what context.  For Ericsson, the constraints on deployment are the regulatory constraints, it is not part of the 3GPP’s job to enter into these considerations. This view is shared by Deutsche Telekom.  In conclusion, several companies share the view that there is a problem about telling what requirement applies to what deployment, but do not necessarily agree that what is presented in 1058 is the solution.  This should be further studied in between meetings. | Noted |
| 23 | 4 | [**S1-211057**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211057.zip) | Philips International B.V. | Justification and discussion on clarifying NPN requirements | discussion | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 24 | 4 | [**S1-211058**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211058.zip) | Philips International B.V. | Clarification of NPN requirements in 22.261 | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0518 |  | B | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Corresponding CR to 1055. |  | Noted |
| 26 | 4 | [**S1-211097**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211097.zip) | Perspecta Labs, CISA ECD, AT&T, T-Mobile US, Verizon | New WID on MPS when access to EPC/5GC is WLAN | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | New WID on MPS when access to EPC/5GC is WLAN.  The objective is to define normative stage 1 requirements to support  - MPS for MMTEL voice/video calls when the UE has WLAN access to the EPC/5GC, and  - MPS for DTS sessions when the UE or IoT device has WLAN access to the EPC/5GC (including aspects for Non-seamless WLAN Offload (NSWO) case when the 3GPP system is used to verify MPS authorization). | See corresponding CR in 1098. | Noted |
| 27 | 4 | [**S1-211098**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211098.zip) | Perspecta Labs, CISA ECD, AT&T, T-Mobile US, Verizon | MPS when access to EPC/5GC is WLAN | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | TS 22.153 Release 18 CR on MPS when access to EPC/5GC is WLAN | Format errors in cover page. No CR number.  This is actually a CR and not a WID. | Noted |
| 29 | 4 | [**S1-211123**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211123.zip) | NTT DOCOMO INC. | New WID on UE's usage setting update | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | The objective of this work is to specify requirements on UE's usage setting update, in particular for the UE's usage setting update by HPLMN via signalling (e.g. via NAS) | See related CR in 1124. | Noted |
| 30 | 4 | [**S1-211124**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211124.zip) | NTT DOCOMO INC. | UE's usage setting update | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0521 |  | C | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Rev2 presented.  The CR now adds “The 5G system shall support a mechanism for the home network to configure the UE's usage setting (i.e. voice-centric or data-centric)”. | Qualcomm has some issues with this approach.  For Apple, the rev2 is better but still does not take into account the user experience. More generally, Apple’s concern is that the parties involved in the configuration is unclear.  For Huawei and LGE, this is an implementation problem/improvement, not a topic for 3GPP.  For Nokia, the 5G system shall support a mechanism for the home network to configure a UE for voice-centric or data-centric service.  Vivo supports the idea but would like some improvements of the text. | Noted |
| 32 | 4 | [**S1-211256**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211256.zip) | Qualcomm Incorporated | New mini WID on eCAV enhancements | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | This WID is to clarify the clause on “ProSe communication for cyber-physical control applications”, to include more specific requirements in the area of time synchronization. | See related CR in 1257.  Section 5 stattes 22.261 instead of 22.104  The use cases have to be clarified. | Noted |
| 33 | 4 | [**S1-211257**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211257.zip) | Qualcomm Incorporated | CR on eCAV enhancements | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0074 |  | B | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | The CR clarifies which of the general synchronization requirements (Section 5.6) apply to ProSe. | The CR is formally wrong (wrong font, etc).  The WID can be continued until the next meeting. The CR needs significant more work. | Noted |
| 35 | 4 | [**S1-211048**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211048.zip) | Deutsche Telekom, Charter Communications, China Telecom, KDDI, KPN, Orange, Telecom Italia, Convida Wireless, IDEMIA, LG Electronics, Philips, Thales, vivo, InterDigital | WID Signal level Enhanced Network Selection | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | Re-submission of S1-210040 with modifications according to offline discussion between the meetings.  Rev1 with more supporting companies presented. | 048r2  (o: Qualcomm, Apple)  Section 8 to be removed, timeline to be changed  Rev3 agreed. | Revised to S1-211369 |
| 36 | 4 | S1-211369 | Deutsche Telekom, Charter Communications, China Telecom, KDDI, KPN, Orange, Telecom Italia, Convida Wireless, IDEMIA, LG Electronics, Philips, Thales, vivo | WID Signal level Enhanced Network Selection | WID |  |  |  |  |  |  |  |  | Same as 048r3  Revision of S1-211048. | Agreed |
| 37 | 4 | [**S1-211050**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211050.zip) | Deutsche Telekom, Charter Communications, China Telecom, KDDI, KPN, Orange, Telecom Italia, Convida Wireless, IDEMIA, LG Electronics, Philips, Thales, vivo, InterDigital | CR 22.011 Signal level Enhanced Network Selection | CR | [**22.011**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0322 | 1 | B | 17.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Resubmission of S1-210041 with modifications according to the offline discussion between meetings  Rev2 presented.  The CR and corresponding WID aim at improving the case of stationary devices.  See other proposal in 1165 | [rev5](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1190647) agreed, clean-up needed | Revised to S1-211370 |
| 37r | 4 | S1-211370 | Deutsche Telekom, Charter Communications, China Telecom, KDDI, KPN, Orange, Telecom Italia, Convida Wireless, IDEMIA, LG Electronics, Philips, Thales, vivo, InterDigital | CR 22.011 Signal level Enhanced Network Selection | CR | 22.011 | 0322 | 2 | B | 17.3.0 | Rel-18 | DUMMY | Replaces S1-211050 |  | tech. endorsed |
| 39 | 4 | [**S1-211163**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211163.zip) | Apple | Network selection improvements for long-lasting connectivity problems | discussion |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 40 | 4 | [**S1-211165**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211165.zip) | Apple | CR to 22.011 on Network Selection for long-lasting connection problems | CR | [**22.011**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0323 |  | B | 17.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | While acknowledging the issue, Apple’s concern is a mis-used of the solution proposed in S1-211050 and propose another solution.  In here, it is proposed to define a mechanism for the UE to determine if the current cell has long-lasting connection problems, to temporarily bar the current RAT and associated PLMN and to trigger network selection. | Qualcomm has a preference for Apple’s solution but think that it can be improved.  For Deutsche Telekom, Apple’s approach has several severe issues, e.g. criteria are from Access Stratum and non-Access Stratun, some ping-pong effect can result from it, it might drain the battery, etc.  Apple would be willing to compromise if Deutsche Telekom could be restricted to IoT devices, but so far 3GPP has not been able to caracterise an IoT-only device.  A show of hands told that:  DT’s approach: 18 companies  Apple’s approach: 2 companies  So DT’s approach is chosen, and some wordings will be made it clear that it is not for IoT, with the known limitations.  Qualcomm clarified that they cannot agree on the DT’s CR as in rev1. | Noted |
| 42 | 4 | [**S1-211105**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211105.zip) | Xiaomi | 5G system with satellite access to Support Control andor Video Surveillance | discussion |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 43 | 4 | [**S1-211106**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211106.zip) | Xiaomi | New WID on 5G system with satellite access to Support Control andor Video Surveillance | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | The objective of this work is to update requirements on satellite access. | See corresponding CR in 1107.  Rev4 presented  Timeline to be changed, rev marks to be accepted.  Rev5 agreed | Revised to S1-211371 |
| 43r | 4 | S1-211371 | Xiaomi | New WID on 5G system with satellite access to Support Control andor Video Surveillance | WID new |  |  |  |  |  | Rel-18 |  | Replaces S1-211106 | Same as 106r5  Revision of S1-211106. | Agreed |
| 45 | 4 | [**S1-211107**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211107.zip) | Xiaomi | Update to KPIs for a 5G system with satellite access for support control andor video surveillance | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0519 |  | B | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | This CR updates the KPIs for 5G system with satellite access for support control and/or video surveillance. | This relates to VIAPA, according to Samsung.  For Samsung, “Video Surveillance” is a very specific use case. It has to be either expanded to a more general use case or to be made further specified (how many cameras, etc.).  Xiaomi prefer to make it more generic.  Rev2 presented.  More time needed by next meeting, no emergency. | Noted |
| 47 | 4 | [**S1-211162**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211162.zip) | China Unicom | 5G system with High Altitude Platform Station (HAPS) | WID new |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | The objectives of this WID is to  specify KPIs for 5G system with HAPS. | See corresponding CR in 1164. | Noted |
| 48 | 4 | [**S1-211161**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211161.zip) | China Unicom | Discussion on 5G system with HAPS | discussion |  |  |  |  |  |  |  | This contribution proposes to analyse the KPI requirements brought by HAPS. |  | Noted |
| 49 | 4 | S1-211299 | China Unicom | Motivation of new WID on 5G system with High Altitude Platform Station (HAPS) | Discussion |  |  |  |  |  |  |  |  |  | Noted |
| 50 | 4 | [**S1-211164**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211164.zip) | China Unicom | KPI for 5G system with HAPS | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0522 |  | B | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Add KPI requirements support for 5G systems with HAPS. | For Sony, this is copy-paste from RAN and will not bring anything new for them.  For Qualcomm, Nokia and Sony, it is not clear what is extracted from RAN from what is new.  Rev1 presented  Sony wonder why some values are between square brackets and not other.  LGE find that there are too many “TBD”.  Nokia commented that if this is just to reference to RAN2’s table, then a reference can be used instead of repeating values.  KPN and Sony do not disagree with the idea of having a table but wonder about the values.  Even on the last day, there is still too much opposition to agree it.  The chair encourages in-between discussions, and possibly start a study. | Noted |
| 52 | 4 | [**S1-211176**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211176.zip) | CATT,China Telecom | New WID on 5G system with satellite backhaul | WID new |  |  |  |  |  |  |  | The objectives of this WID is to specify requirements e.g. the requirements on QoS control, requirements for policy management and charging on using satellites (e.g. satellite GEO, LEO, with or without inter satellite links, etc.) as transport/backhaul in 5G system. | See corresponding CR in 1179.  Rev3 presented  Section 8 to be removed, the rest is OK.  Rev4 agreed | Revised to S1-211372 |
| 53 | 4 | S1-211372 | CATT, China Telecom | New WID on 5G system with satellite backhaul | WID |  |  |  |  |  |  |  |  | Same as 173r4  Revision of S1-211176. | Agreed |
| 54 | 4 | [**S1-211175**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211175.zip) | CATT,China Telecom | Discussion on satellite backhaul | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 55 | 4 | [**S1-211179**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211179.zip) | CATT,China Telecom | Requirements for satellite backhaul | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0525 |  | B | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | The CR adds support for non-terrestrial backhaul.  Rev1 presented. | Ericsson has some concerns about the meaning of the sentence added at the end of 6.5.1. It is meant that 5GS can use together satellite and terrestrial links.  For Qualcomm, this should be restricted to satellite only, not combination of terrestrial and satellite.  To be continued by e-mail.  Rev3 presented  Rev3 agreed | Revised to S1-211373 |
| 55r | 4 | S1-211373 | CATT,China Telecom | Requirements for satellite backhaul | CR | 22.261 | 0525 | 1 | B | 18.2.0 | Rel-18 | DUMMY | Replaces S1-211179 | B  Same as 179r3  Revision of S1-211179. | Agreed |
| 01 | 5 | [**S1-211035**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211035.zip) | Siemens, Nokia, Nokia Shanghai Bell | Discussion of quality improvement CRs (in particular S1-211025, S1-211026, and S1-211030) | discussion |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  | No discussion thread. Discussions will be focused on independent CRs | Noted |
| 02 | 5 | [**S1-211022**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211022.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – update of Annex C | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0508 |  | D | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | A link to a new annex in TS 22.104 is provided. | Revision should be -. WI code would be better with TEl18, eCAV | Revised to S1-211374 |
| 03 | 5 | S1-211374 | Siemens, Nokia, Nokia Shanghai Bell | update of Annex C | CR | 22.261 | 0508 | 1 | D | 18.2.0 | Rel-18 | DUMMY | Revision of S1-211022 | Same as 022r2  Revision of S1-211022. | Agreed |
| 04 | 5 | [**S1-211024**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211024.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – addition of new annex (relationship between reliability and communication service availability) | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0066 |  | D | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Addition of a new annex to TS 22.104. The new annex contains an updated version of annex C in TS 22.261. The discussion of heterogeneous networks was removed since it invokes an outdated definition of the communication service interface. | Revision should be -. WI code would be better with TEl18, eCAV | Revised to S1-211375 |
| 05 | 5 | S1-211375 | Siemens, Nokia, Nokia Shanghai Bell | addition of new annex (relationship between reliability and communication service availability) | CR | 22.104 | 0066 | 1 | D | 18.0.0 | Rel-18 | DUMMY | Revision of S1-211024 | Same as 024r3  Revision of S1-211024. | Agreed |
| 06 | 5 | [**S1-211025**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211025.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – updating the definition of communication service availability | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0510 |  | D | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | We introduce an improved definition of communication service availability to TS 22.261. | Revision should be -. WI code would be better with TEl18, eCAV  Should be Rel-17.  Mirror in S1-211294 | Revised to S1-211376 |
| 07 | 5 | S1-211376 | Siemens, Nokia, Nokia Shanghai Bell | updating the definition of communication service availability | CR | 22.261 | 0510 | 1 | D | 18.2.0 | Rel-18 | DUMMY | Revision of S1-211025 | Same as 025r4  Revision of S1-211025. | Agreed |
| 08 | 5 | S1-211294 | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – updating the definition of communication service availability | CR | 22.261 | 0530 |  | A | 18.2.0 | Rel-18 | DUMMY | Mirror of S1-211025 | 294r1 agreed | Revised to S1-211377 |
| 09 | 5 | S1-211377 | Siemens, Nokia, Nokia Shanghai Bell | updating the definition of communication service availability | CR | 22.261 | 0530 | 1 | A | 18.2.0 | Rel-18 | DUMMY | Revision of S1-211294 | Same as 294r1  Revision of S1-211294. | Agreed |
| 10 | 5 | [**S1-211026**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211026.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – update of communication service definition | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0067 |  | D | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | We align the definition of communication service availability with the changes introduces in CR 0510 (S1-211025). | Revision should be -. WI code would be better with TEl-18, eCAV  Should be Rel-17.  Mirror in S1-211295 | Revised to S1-211378 |
| 11 | 5 | S1-211378 | Siemens, Nokia, Nokia Shanghai Bell | update of communication service definition | CR | 22.104 | 0067 | 1 | D | 18.0.0 | Rel-18 | DUMMY | Revision of S1-211026 | Same as 026r4  Revision of S1-211026. | Agreed |
| 12 | 5 | S1-211295 | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – update of communication service definition | CR | 22.104 | 0075 |  | A | 18.0.0 | Rel-18 | DUMMY | Mirror of S1-211026 | 295r1 agreed | Revised to S1-211379 |
| 13 | 5 | S1-211379 | Siemens, Nokia, Nokia Shanghai Bell | update of communication service definition | CR | 22.104 | 0075 | 1 | A | 18.0.0 | Rel-18 | DUMMY | Revision of S1-211295 | Same as 295r1  Revision of S1-211295. | Agreed |
| 14 | 5 | [**S1-211027**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211027.zip) | Volkswagen AG, Siemens, Nokia, Nokia Shanghai Bell | quality improvement – update of mobile-robots use case description | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0068 |  | D | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Additional text added to clause A.2.2.3 (differentiation of AGV and mobile robot writ large). | Revision should be -. WI code would be better with TEl18, eCAV | Revised to S1-211380 |
| 15 | 5 | S1-211380 | Volkswagen AG, Siemens, Nokia, Nokia Shanghai Bell | update of mobile-robots use case description | CR | 22.104 | 0068 | 1 | D | 18.0.0 | Rel-18 | DUMMY | Revision of S1-211027 | Same as 027r2  Revision of S1-211027. | Agreed |
| 16 | 5 | [**S1-211028**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211028.zip) | Volkswagen, Siemens, Spreadtrum, Nokia, Nokia Shanghai Bell, ETRI | quality improvement – correction of mobile-robot use cases (UE number) | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0069 |  | F | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | DUMMY,cyberCAV | Corrections of the mobile-robot use cases: updated the number of UEs from smaller or equal 100 to smaller or equal 2,000. | Revision should be -. WI code would be better with TEl18, eCAV | Revised to S1-211381 |
| 17 | 5 | S1-211381 | Volkswagen, Siemens, Spreadtrum, Nokia, Nokia Shanghai Bell, ETRI | correction of mobile-robot use cases (UE number) | CR | 22.104 | 0069 | 1 | F | 18.0.0 | Rel-18 | DUMMY,cyberCAV | Revision of S1-211028 | Same as 028r2  Revision of S1-211028. | Agreed |
| 18 | 5 | [**S1-211029**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211029.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – service duration | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0070 |  | D | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Introduction of the parameter service time interval in clause C.2.3. The quality of this clause is improved. | Revision should be -. WI code would be better with TEl18, eCAV | Revised to S1-211382 |
| 19 | 5 | S1-211382 | Siemens, Nokia, Nokia Shanghai Bell | service duration | CR | 22.104 | 0070 | 1 | D | 18.0.0 | Rel-18 | DUMMY | Revision of S1-211029 | Same as 029r1  Revision of S1-211029. | Agreed |
| 20 | 5 | [**S1-211030**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211030.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – update of Annex C.1 | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0071 |  | D | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Annex C.1 is updated: Figure C.1.1-1 is replaced with conceptual model (UML class diagrams) and the text body is adjusted accordingly. Furthermore, diagrams for clarifying the relationship between communication service interface, reference interface, logical link, and connection are introduced. | Revision should be -. WI code would be better with TEl18, eCAV | Withdrawn |
| 21 | 5 | [**S1-211031**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211031.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – clarification of QoS-monitoring requirement | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0511 |  | D | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | A clarifying note is added to requirement on E2E QoS monitoring. We also remove E2E from clause 3.2, since this abbreviation is already defined in TR 21.905. | Revision should be -. WI code would be better with TEl18, eCAV | Revised to S1-211383 |
| 22 | 5 | S1-211383 | Siemens, Nokia, Nokia Shanghai Bell | clarification of QoS-monitoring requirement | CR | 22.261 | 0511 | 1 | D | 18.2.0 | Rel-18 | DUMMY | Revision of S1-211031 | Same as 031r4  Revision of S1-211031. | Agreed |
| 23 | 5 | [S1-211314](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211314.zip) | Siemens | Quality improvement – clarification of QoS-monitoring requirement | CR | 22.261 | 0531 |  | A | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | eCAV | mirror of S1-211031 | orig. | Agreed |
| 24 | 5 | [**S1-211032**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211032.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – update of annex D | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0512 |  | D | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | A reference to annex D is inserted in clause 6.28 and clause 7.2.3.2. The content of annex D is aligned with the content of TS 22.104 and the qualitiy of the content is improved. | Revision should be -. WI code would be better with TEl18, eCAV | Revised to S1-211384 |
| 25 | 5 | S1-211384 | Siemens, Nokia, Nokia Shanghai Bell | update of annex D | CR | 22.261 | 0512 | 1 | D | 18.2.0 | Rel-18 | DUMMY | Revision of S1-211032 | Same as 032r2  Revision of S1-211032. | Agreed |
| 26 | 5 | [**S1-211033**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211033.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – update of clause F.1 | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0513 |  | D | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | A reference to the example parameters in a 5G-ACIA whitepaper is inserted into clause F.1. Also, the parameter observation time interval is introduced to the same clause. | Revision should be -. WI code would be better with TEl18, eCAV | Revised to S1-211385 |
| 27 | 5 | S1-211385 | Siemens, Nokia, Nokia Shanghai Bell | update of clause F.1 | CR | 22.261 | 0513 | 1 | D | 18.2.0 | Rel-18 | DUMMY | Revision of S1-211033 | Revision should be -. WI code would be better with TEl18, eCAV  Same as 033r2  Revision of S1-211033. | Agreed |
| 28 | 5 | [**S1-211034**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211034.zip) | Siemens, Nokia, Nokia Shanghai Bell | quality improvement – voiding annex A and B | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0514 |  | D | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  | Revision should be -. WI code would be better with TEl18, eCAV | Revised to S1-211386 |
| 29 | 5 | S1-211386 | Siemens, Nokia, Nokia Shanghai Bell | voiding annex A and B | CR | 22.261 | 0514 | 1 | D | 18.2.0 | Rel-18 | DUMMY | Revision of S1-211034 | Same as 034r2  Revision of S1-211034. | Agreed |
| 30 | 5 | [**S1-211168**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211168.zip) | ETRI | Editorial correction for network capability exposure and abbreviation | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0523 |  | D | 17.6.0 | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**TEI17**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850047) |  | 168r1 agreed | Revised to S1-211387 |
| 31 | 5 | S1-211387 | ETRI | Editorial correction for network capability exposure and abbreviation | CR | 22.261 | 0523 | 1 | D | 17.6.0 | Rel-17 | TEI17 | Revision of S1-211168 | Same as 168r1  Revision of S1-211168. | Agreed |
| 32 | 5 | [**S1-211173**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211173.zip) | ETRI | Editorial correction for network capability exposure and abbreviation | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0524 |  | A | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI17**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850047) |  | 173r1 agreed | Revised to S1-211388 |
| 33 | 5 | S1-211388 | ETRI | Editorial correction for network capability exposure and abbreviation | CR | 22.261 | 0524 | 1 | A | 18.2.0 | Rel-18 | TEI17 | Revision of S1-211173 | Same as 173r1  Revision of S1-211173. | Agreed |
| 34 | 5 | [**S1-211223**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211223.zip) | ETRI, Siemens | Updating the definition of communication service availability | CR | [**22.263**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3648) | 0014 |  | D | 17.3.0 | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**AVPROD**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=840031) |  | Cat D  Revision should be -. | Revised to S1-211389 |
| 35 | 5 | S1-211389 | ETRI, Siemens | Updating the definition of communication service availability | CR | 22.263 | 0014 | 1 | D | 17.3.0 | Rel-17 | AVPROD | Revision of S1-211223 | D  Same as 223r1  Revision of S1-211223. | Agreed |
| 36 | 5 | S1-211023 | Siemens | quality improvement – addition of new annex (relationship between reliability and communication service availability) | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0509 |  | D | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DUMMY**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Addition of a new annex to TS 22.104. The new annex contains an updated version of annex C in TS 22.261. The discussion of heterogeneous networks was removed since it invokes an outdated definition of the communication service interface. |  | Withdrawn |
| 01 | 6.1 | [**S1-211077**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211077.zip) | BDBOS | Enhancement of MCX UE de-affiliation requirements | CR | [**22.280**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0145 |  | C | 17.5.0 | [**Rel-17**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**MONASTERY2**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=760004) |  | CR0145R. Cat C  Revision should be -.  e-Thread: [CR\_Rel17- 1]  077r2 agreed | Revised to S1-211390 |
| 02 | 6.1 | S1-211390 | BDBOS | Enhancement of MCX UE de-affiliation requirements | CR | 22.280 | 0145 | 1 | C | 17.5.0 | Rel-17 | MONASTERY2 | Revision of S1-211077 | CR0145R. Cat C  Same as 077r2  Revision of S1-211077. | Agreed |
| 02 | 7.1.1 | [**S1-211112**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211112.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Use case on real-time interactive menu | pCR | [**22.873**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3697) |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) | This pCR adds the use case for “Real-time visual interactive menu” | To be continued by e-mail | Revised to S1-211391 |
| 03 | 7.1.1 | S1-211391 | China Mobile | FS\_MMTELin5G Use case on real-time interactive menu | pCR | 22.873 |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) | Revision of S1-211112 | Same as 1124r4  Revision of S1-211112. | Agreed |
| 04 | 7.1.1 | [**S1-211160**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211160.zip) | Huawei, China Mobile, Deutsche Telekom, Vodafone | Update to clause 5.5 “Multimedia CLIP and COLP” | pCR | [**22.873**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3697) |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) | Rev1 presented.  This document addresses the open issues with regards to the potential requirements of “Multimedia CLIP and COLP”, and proposes update to the potential requirements in clause 5.5 of FS\_MMTELin5G TR 22.873. | To be continued by e-mail | Revised to S1-211392 |
| 05 | 7.1.1 | S1-211392 | Huawei, China Mobile, Deutsche Telekom, Vodafone | Update to clause 5.5 “Multimedia CLIP and COLP” | pCR | 22.873 |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) | Revision of S1-211160 | Same as 160r1  Revision of S1-211160. | Agreed |
| 06 | 7.1.1 | [**S1-211110**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211110.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Additional considerations | pCR | [**22.873**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3697) |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) |  | 110r1 | Revised to S1-211393 |
| 07 | 7.1.1 | S1-211393 | China Mobile | FS\_MMTELin5G Additional considerations | pCR | 22.873 |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) | Revision of S1-211110 | Same as 110r1  Revision of S1-211110. | Agreed |
| 08 | 7.1.1 | [**S1-211111**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211111.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Consolidated potential requirements | pCR | [**22.873**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3697) |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) | Rev3 available | 111r5 | Revised to S1-211394 |
| 09 | 7.1.1 | S1-211394 | China Mobile | FS\_MMTELin5G Consolidated potential requirements | pCR | 22.873 |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) | Revision of S1-211111 | Same as 111r5  Revision of S1-211111. | Agreed |
| 01 | 7.1.2 | [**S1-211037**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211037.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Cover Page | CP | [**22.873**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3697) |  |  |  | 0.6.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.1.2 | S1-211300 | Rapporteur (China Mobile) | TR22.873 v0.6.0 to include agreements at this meeting | TR | 22.873 |  |  |  | 0.6.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_MMTELin5G**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850042) | Revision of S1-211037 | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC  No presentation | Agreed |
| 02 | 7.2.1 | [**S1-211059**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211059.zip) | BDBOS | FS\_SACI\_MCS consolidated potential requirements | pCR | [**22.881**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3698) |  |  |  | 0.4.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_SACI\_MCS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850043) | Rev1 presented.  It provides an overview between potential new requirements and consolidated potential requirements that are proposed to be included into clause 8. | Rev1 agreed. | Revised to S1-211395 |
| 03 | 7.2.1 | S1-211395 | BDBOS | FS\_SACI\_MCS consolidated potential requirements | pCR | 22.881 |  |  |  | 0.4.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_SACI\_MCS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850043) | Revision of S1-211059 | Same as r1  Revision of S1-211059. | Agreed |
| 04 | 7.2.1 | [**S1-211084**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211084.zip) | BDBOS | FS\_SACI\_MCS Conclusions and recommendations | pCR | [**22.881**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3698) |  |  |  | 0.4.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_SACI\_MCS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850043) |  |  | Agreed |
| 01 | 7.2.2 | [**S1-211060**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211060.zip) | BDBOS | Cover page for presentation of TR22.881 | CP | [**22.881**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3698) |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_SACI\_MCS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850043) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.2.2 | S1-211301 | Rapporteur (BDBOS) | TR22.881 v0.5.0 to include agreements at this meeting | TR | 22.881 |  |  |  | 0.5.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_SACI\_MCS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850043) | Revision of S1-211060 | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC  No presentation | Agreed |
| 03 | 7.4.1 | [**S1-211074**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211074.zip) | OPPO | FS\_AMMT – Editorial corrections | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 074r2 | Revised to S1-211396 |
| 04 | 7.4.1 | S1-211396 | OPPO | FS\_AMMT – Editorial corrections | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211074 | Same as 074r2  Revision of S1-211074. | Agreed |
| 05 | 7.4.1 | [**S1-211068**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211068.zip) | OPPO | FS\_AMMT – Introduction, definitions, abbreviations and overview | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 068r2 | Revised to S1-211397 |
| 06 | 7.4.1 | S1-211397 | OPPO | FS\_AMMT – Introduction, definitions, abbreviations and overview | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211068 | Same as 068r2  Revision of S1-211068. | Agreed |
| 08 | 7.4.1 | [**S1-211137**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211137.zip) | Guangdong OPPO Mobile Telecom. | FS\_AMMT update to Split AI/ML image recognition | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Abstract: update description of UL and DL reliability in clause 5.1 of FS\_AMMT TR22.874 V0.3.0 | 137r2 | Revised to S1-211398 |
| 09 | 7.4.1 | S1-211398 | OPPO | FS\_AMMT update to Split AI/ML image recognition | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211137 | Same as 137r2  Revision of S1-211137. | Agreed |
| 10 | 7.4.1 | [**S1-211069**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211069.zip) | OPPO | Updates to AMMT use case – Split AI/ML image recognition | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 069r1 | Revised to S1-211399 |
| 11 | 7.4.1 | S1-211399 | OPPO | Updates to AMMT use case – Split AI/ML image recognition | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211069 | Same as 069r1  Revision of S1-211069. | Agreed |
| 12 | 7.4.1 | [**S1-211253**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211253.zip) | Qualcomm Incorporated | Update\_cleanup to Use case 5.2 | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 253r1 | Revised to S1-211400 |
| 13 | 7.4.1 | S1-211400 | Qualcomm | Update\_cleanup to Use case 5.2 | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211253 | Same as 253r1  Revision of S1-211253. | Agreed |
| 14 | 7.4.1 | [**S1-211254**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211254.zip) | Qualcomm Incorporated | Update\_cleanup to Use case 5.3 | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  |  | Agreed |
| 15 | 7.4.1 | [**S1-211070**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211070.zip) | OPPO | Updates to AMMT use case – Split control for robotics | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 070r2 | Revised to S1-211401 |
| 16 | 7.4.1 | S1-211401 | OPPO | Updates to AMMT use case – Split control for robotics | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211070 | Same as 070r2  Revision of S1-211070. | Agreed |
| 17 | 7.4.1 | [**S1-211044**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211044.zip) | InterDigital, OPPO | FS\_AMMT: Clarification of description and pre-conditions of use case 5.5 | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | This PCR proposes updates to the description and the pre-conditions for the use case in clause 5.5 (Session-specific model transfer split computation operations). | 044r2 | Revised to S1-211402 |
| 18 | 7.4.1 | S1-211402 | InterDigital, OPPO | FS\_AMMT: Clarification of description and pre-conditions of use case 5.5 | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211044 | Same as 044r2  Revision of S1-211044. | Agreed |
| 19 | 7.4.1 | [**S1-211045**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211045.zip) | InterDigital, OPPO | FS\_AMMT: Additional requirements for use case 5.5 | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | This PCR proposes updates to the requirement for the use case in clause 5.5 (Session-specific model transfer split computation operations). | 045r6 | Revised to S1-211403 |
| 20 | 7.4.1 | S1-211403 | InterDigital, OPPO | FS\_AMMT: Additional requirements for use case 5.5 | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211045 | Same as 045r6  Revision of S1-211045. | Agreed |
| 21 | 7.4.1 | [**S1-211138**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211138.zip) | Guangdong OPPO Mobile Telecom. | FS\_AMMT update to AIML model distribution for image recognition | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Describe different reliability for model structure and model parameters in clause 6.1. | 138r4 | Revised to S1-211404 |
| 22 | 7.4.1 | S1-211404 | OPPO | FS\_AMMT update to AIML model distribution for image recognition | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211138 | Same as 138r4  Revision of S1-211138. | Agreed |
| 23 | 7.4.1 | [**S1-211071**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211071.zip) | OPPO | Updates to AMMT use case – AI/ML model distribution for image recognition | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 071r1 | Revised to S1-211405 |
| 24 | 7.4.1 | S1-211405 | OPPO | Updates to AMMT use case – AI/ML model distribution for image recognition | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211071 | Same as 071r1  Revision of S1-211071. | Agreed |
| 25 | 7.4.1 | [**S1-211252**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211252.zip) | Qualcomm Incorporated | Update\_cleanup to Use case 6.5 | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 252r1 | Revised to S1-211406 |
| 26 | 7.4.1 | S1-211406 | Qualcomm | Update\_cleanup to Use case 6.5 | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211252 | Same as 252r1  Revision of S1-211252. | Agreed |
| 27 | 7.4.1 | [**S1-211190**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211190.zip) | Nokia, Nokia Shanghai Bell | Updates to AMMT use case – Shared AI/ML model monitoring | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | This contribution provides an update to the terminology used in this use case. | 190r3 | Revised to S1-211407 |
| 28 | 7.4.1 | S1-211407 | Nokia, Nokia Shanghai Bell | Updates to AMMT use case – Shared AI/ML model monitoring | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211190 | Same as 190r3  Revision of S1-211190. | Agreed |
| 29 | 7.4.1 | [**S1-211212**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211212.zip) | InterDigital | FS\_AMMT: Use case update – clause 6.6 | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | Merged in 1212 / 1190r2 | Merge into 1190r2 |
| 30 | 7.4.1 | [**S1-211073**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211073.zip) | OPPO | Updates to AMMT use case – Uncompressed Federated Learning for image recognition | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 073r1 | Revised to S1-211408 |
| 31 | 7.4.1 | S1-211408 | OPPO | Updates to AMMT use case – Uncompressed Federated Learning for image recognition | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211073 | Same as 073r1  Revision of S1-211073. | Agreed |
| 32 | 7.4.1 | [**S1-211144**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211144.zip) | TOYOTA MOTOR CORPORATION | Update to AMMT use case - Uncompressed Federated Learning for image recognition | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | This contribution updates the use case in sub clause 7.1 to validate more requirements.  Rev7 presented. | For T-Mobile, the text in 7.1.5 is focussing only on one location technology when it should consider several ones. | Revised to S1-211409 |
| 33 | 7.4.1 | S1-211409 | TOYOTA | Update to AMMT use case - Uncompressed Federated Learning for image recognition | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211144 | Same as 144r10  Revision of S1-211144. | Agreed |
| 34 | 7.4.1 | [**S1-211261**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211261.zip) | LG Electronics Inc. | Editorial Update for Compressed Federated Learning for image/video | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 261r2  (o: Nokia) | Revised to S1-211410 |
| 35 | 7.4.1 | S1-211410 | LG Electronics | Editorial Update for Compressed Federated Learning for image/video | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211261 | Same as 261r3  Revision of S1-211261. | Agreed |
| 36 | 7.4.1 | [**S1-211217**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211217.zip) | LG Electronics Inc. | Clean-up for Data Transfer Disturbance in Multi-agent multi-device ML Operations | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 217r3  (o: Nokia) | Noted |
| 37 | 7.4.1 | [**S1-211072**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211072.zip) | OPPO | Updates to AMMT use case – AI/ML model distribution for speech recognition | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 072r1 | Revised to S1-211411 |
| 38 | 7.4.1 | S1-211411 | OPPO | Updates to AMMT use case – AI/ML model distribution for speech recognition | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211072 | Same as 072r1  Revision of S1-211072. | Agreed |
| 40 | 7.4.1 | [**S1-211135**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211135.zip) | Guangdong OPPO Mobile Telecom. | Proposal for consolidated potential requirement in FS\_AMMT | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | This contribution propose consolidated requirement (except KPI) based on existing use cases in AMMT TR. | 135r8  (o: New revision)  Rev10 agreed | Revised to S1-211412 |
| 41 | 7.4.1 | S1-211412 | OPPO | Proposal for consolidated potential requirement in FS\_AMMT | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211135 | 135r10  Revision of S1-211135. | Agreed |
| 42 | 7.4.1 | [**S1-211067**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211067.zip) | OPPO | Proposal for AMMT consolidated requirements – KPI | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | 067r8 | Revised to S1-211413 |
| 43 | 7.4.1 | S1-211413 | OPPO | Proposal for AMMT consolidated requirements – KPI | pCR | 22.874 |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Revision of S1-211067 | Same as 067r8  Revision of S1-211067. | Agreed |
| 44 | 7.4.1 | [**S1-211075**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211075.zip) | OPPO | FS\_AMMT – Conclusion and recommendations | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  |  | Agreed |
| 45 | 7.4.1 | S1-211136 | Guangdong OPPO Mobile Telecom. | FS\_AMMT update to Split AI/ML image recognition | pCR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) | Abstract: update description of UL and DL reliability in clause 5.1 of FS\_AMMT TR22.874 V0.3.0 |  | Withdrawn |
| 01 | 7.4.2 | S1-211302 | Rapporteur (OPPO) | Cover page for presentation/approval of TR22.874v1.1.0 | CP | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.4.2 | S1-211303 | Rapporteur (OPPO) | TR22.874v1.1.0 to include agreements at this meeting | TR | [**22.874**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3721) |  |  |  | 1.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AMMT**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860009) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.5.1 | S1-211317 | TNO, Samsung, Thales | 22.926 title correction | discussion |  |  |  |  |  |  |  | “extra-territorial” to be changed in “extra-territorial” in the Header. | No comment | Endorsed |
| 03 | 7.5.1 | [**S1-211196**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211196.zip) | Samsung R&D Institute UK | 22.926 P-CR: Scope and Overview Improvements | pCR | [**22.926**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3722) |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | Improvements are proposed for the Scope and Overview clauses of TR 22.926 | 196r1 pre-agreed | Revised to S1-211414 |
| 04 | 7.5.1 | S1-211414 | Samsung | 22.926 P-CR: Scope and Overview Improvements | pCR | 22.926 |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | Revision of S1-211196 | Same as 196r1  Revision of S1-211196. | Agreed |
| 05 | 7.5.1 | [**S1-211191**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211191.zip) | Samsung R&D Institute UK | 22.926 P-CR: UE and Network operating in Aeronautical or Maritime Areas | pCR | [**22.926**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3722) |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | Airspace and the seas are a complex regulatory domain. This P-CR considers the regulatory implications for this scenario for UE and network operations. | 191r2 | Revised to S1-211415 |
| 06 | 7.5.1 | S1-211415 | Samsung | 22.926 P-CR: UE and Network operating in Aeronautical or Maritime Areas | pCR | 22.926 |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | Revision of S1-211191 | Same as 191r2  Revision of S1-211191. | Agreed |
| 07 | 7.5.1 | [**S1-211192**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211192.zip) | Samsung R&D Institute UK | 22.926 P-CR: Exclusion Area Aspects | pCR | [**22.926**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3722) |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | This P-CR introduces recommendations for UE operation in exclusion zones. Some additions to the Exclusion Zone clause are also proposed. | 192r1  (o: New revision)  Rev2 agreed | Revised to S1-211416 |
| 08 | 7.5.1 | S1-211416 | Samsung | 22.926 P-CR: Exclusion Area Aspects | pCR | 22.926 |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | Revision of S1-211192 | Same as 192r2  Revision of S1-211192. | Agreed |
| 09 | 7.5.1 | [**S1-211193**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211193.zip) | Samsung R&D Institute UK | 22.926 P-CR: Regulatory Aspects of Extraterritorial Areas | pCR | [**22.926**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3722) |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | This P-CR considers UE operation in extraterritorial areas. | 193r1 | Revised to S1-211417 |
| 10 | 7.5.1 | S1-211417 | Samsung | 22.926 P-CR: Regulatory Aspects of Extraterritorial Areas | pCR | 22.926 |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | Revision of S1-211193 | Same as 193r1  Revision of S1-211193. | Agreed |
| 11 | 7.5.1 | [**S1-211194**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211194.zip) | Samsung R&D Institute UK | 22.926 P-CR: UE Migration between Areas | pCR | [**22.926**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3722) |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | This P-CR considers UE operation moving between different regulatory areas. | 194r1 | Revised to S1-211418 |
| 12 | 7.5.1 | S1-211418 | Samsung | 22.926 P-CR: UE Migration between Areas | pCR | 22.926 |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | Revision of S1-211194 | Same as 194r1  Revision of S1-211194. | Agreed |
| 13 | 7.5.1 | [**S1-211195**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211195.zip) | Samsung R&D Institute UK | 22.926 P-CR: Regulatory Services per Location | pCR | [**22.926**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3722) |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | This P-CR begins to consolidate the guidance in the TR. | 195r2 | Revised to S1-211419 |
| 14 | 7.5.1 | S1-211419 | Samsung | 22.926 P-CR: Regulatory Services per Location | pCR | 22.926 |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) | Revision of S1-211195 | Same as 195r2  Revision of S1-211195. | Agreed |
| 01 | 7.5.2 | S1-211304 | Rapporteur (THALES) | TR22.926v0.4.0 to include agreements at this meeting | TR | 22.926 |  |  |  | 0.4.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.6.1 | [**S1-211012**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211012.zip) | LG Electronics France | Resolution of Editor’s NOTE and consolidation of remaining requirements in TR 22.835 | discussion | 22.926 |  |  |  | 0.4.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GET**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860010) |  |  | Noted |
| 03 | 7.6.1 | [**S1-211010**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211010.zip) | LG Electronics France | CR on Resolution of Editor’s NOTE and consolidation of remaining requirements | CR | [**22.835**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3777) | 0001 |  | F | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_EASNS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880035) | Rev3 presented.  Editor’s notes are removed and requirements are updated accordingly. | Agreed in principle but several updates needed. | Revised to S1-211420 |
| 04 | 7.6.1 | S1-211420 | LG Electronics | on Resolution of Editor’s NOTE and consolidation of remaining requirements | discussion |  |  |  |  |  |  |  |  | Cat B  Same as 010r5  Revision of S1-211010. | Agreed |
| 05 | 7.6.1 | [**S1-211018**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211018.zip) | Nokia, Nokia Shanghai Bell | Clarification on charging requirement | CR | [**22.835**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3777) | 0002 |  | F | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_EASNS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880035) |  | Cat F | Agreed |
| 06 | 7.6.1 | [**S1-211169**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211169.zip) | Apple | Clarification for simultaneous access to multiple slices on different PLMNs | CR | [**22.835**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3777) | 0003 |  | C | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_EASNS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880035) | Rev2 presented.  The CR resolves Editor's Note on number of PLMNs, and whether the different PLMNs are VPLMNs. | Ericsson wonder if this is not equivalent to have two UEs sharing a same USIM. | Revised to S1-211421 |
| 07 | 7.6.1 | S1-211421 | Apple | Clarification for simultaneous access to multiple slices on different PLMNs | CR | 22.835 | 0003 | 1 | C | 18.0.0 | Rel-18 | FS\_EASNS | Revision of S1-211169 | Cat C  Same as 169r4  Revision of S1-211169. | Agreed |
| 08 | 7.6.1 | [**S1-211177**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211177.zip) | HuaWei Technologies Co., Ltd | Discussion on network slice selection mechanism | discussion |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 09 | 7.6.1 | [**S1-211178**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211178.zip) | HuaWei Technologies Co., Ltd | Update to the requirements of application-based preference | CR | [**22.835**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3777) | 0004 |  | B | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_EASNS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880035) | Rev2 presented. | Cat B | Revised to S1-211422 |
| 10 | 7.6.1 | S1-211422 | Huawei | Update to the requirements of application-based preference | CR | 22.835 | 0004 | 1 | B | 18.0.0 | Rel-18 | FS\_EASNS | Revision of S1-211178 | Cat B  Same as 178r5  Revision of S1-211178. | Agreed |
| 02 | 7.6.2 | [**S1-211011**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211011.zip) | LG Electronics France | New service requirements for EASNS | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0505 |  | B | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**EASNS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910032) |  | 011r4 | Revised to S1-211423 |
| 03 | 7.6.2 | S1-211423 | LG Electronics | New service requirements for EASNS | CR | 22.261 | 0505 | 1 | B | 18.2.0 | Rel-18 | EASNS | Revision of S1-211011 | Same as 011r4  Revision of S1-211011. | Agreed |
| 02 | 7.7.1 | [**S1-211021**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211021.zip) | KRRI | “Virtual coupling” use case | pCR | [**22.990**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3768) |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_OffNetRail**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880036) |  | Authors agreed to bring back the contribution next SA1#95. | Noted |
| 02 | 7.8.1 | [**S1-211013**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211013.zip) | Nokia, Nokia Shanghai Bell | Update of inclusive language | CR | [**22.878**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3769) | 0001 |  | D | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5TRS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880037) |  | Cat D | Agreed |
| 03 | 7.8.1 | [**S1-211147**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211147.zip) | Huawei Technologies R&D UK | Discussion on Holdover | discussion | [**22.878**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3769) |  |  |  |  |  |  |  |  | Agreed |
| 04 | 7.8.1 | [**S1-211148**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211148.zip) | Huawei Technologies R&D UK | Corrections of holdover related aspects | CR | [**22.878**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3769) | 0002 |  | F | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5TRS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880037) | Rev3 presented.  This CR corrects several terms related to holdover. | Need to remove the rev marks on the cover page.  1148Rev4 agreed. | Revised to S1-211424 |
| 05 | 7.8.1 | S1-211424 | Huawei | 0 Corrections of holdover related aspects | CR | 22.878 | 0002 | 1 | F | 18.0.0 | Rel-18 | FS\_5TRS | Revision of S1-211148 | Cat F  Same as r5  Revision of S1-211148. | Agreed |
| 06 | 7.8.1 | [**S1-211255**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211255.zip) | Qualcomm Incorporated | Clarifications to 5TRS requirements | discussion |  |  |  |  |  |  |  | This document proposes an update to the use case in sec. 5.2 of TR 22.878 (v18.0.0), to clarify new requirements and alignment with the use case description, in the form of a pseudo-CR revision. | Needs to be converted to a CR. This will be done at the next meeting. | Noted |
| 02 | 7.8.2 | [**S1-211016**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211016.zip) | Nokia, Nokia Shanghai Bell | 5G timing resiliency | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0507 |  | B | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**5TRS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910033) | Rev2 presented.  SA1 has completed the study on 5G timing resilience and identified a number of system requirements to support the capability. | Agreed in principle. Several clean-up needed.  Rev6 presented  No more “x” in rev7.  Rev7 agreed. | Revised to S1-211425 |
| 03 | 7.8.2 | S1-211425 | Nokia, Nokia Shanghai Bell | 5G timing resiliency | CR | 22.261 | 0507 | 1 | B | 18.2.0 | Rel-18 | 5TRS | Revision of S1-211016 | Same as 016r7  Revision of S1-211016. | Agreed |
| 04 | 7.8.2 | [**S1-211017**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211017.zip) | Nokia, Nokia Shanghai Bell | 5G timing resiliency | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0065 |  | B | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**5TRS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910033) | Rev1 presented.  The CR A adds a reference to the timing resiliency requirements in 22.261. | Agreed in principle. Several clean-up needed. | Revised to S1-211426 |
| 05 | 7.8.2 | S1-211426 | Nokia, Nokia Shanghai Bell | 5G timing resiliency | CR | 22.104 | 0065 | 1 | B | 18.0.0 | Rel-18 | 5TRS | Revision of S1-211017 | Same as 017r2  Revision of S1-211017. | Agreed |
| 03 | 7.9.1 | [**S1-211101**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211101.zip) | CEPRI, ZTE Corporation, China Telecom | remove the editor notes in section 5.1.5 and 5.1.6 | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) |  |  | Agreed |
| 04 | 7.9.1 | [**S1-211102**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211102.zip) | CEPRI, ZTE Corporation, China Telecom | Add reference for KPI in section 5.2f11208 | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) |  | 102r1 pre-agreed | Revised to S1-211427 |
| 05 | 7.9.1 | S1-211427 | CEPRI, ZTE Corporation, China Telecom | Add reference for KPI in section 5.2 | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Revision of S1-211102 | Same as 102r1  Revision of S1-211102. | Agreed |
| 06 | 7.9.1 | [**S1-211103**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211103.zip) | CEPRI, ZTE Corporation, China Telecom | remove the editor notes in section 5.3 | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) |  | 103r1 agreed | Revised to S1-211428 |
| 07 | 7.9.1 | S1-211428 | CEPRI, ZTE, China Telecom | remove the editor notes in section 5.3 | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Revision of S1-211103 | Same as 103r1  Revision of S1-211103. | Agreed |
| 08 | 7.9.1 | [**S1-211104**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211104.zip) | ZTE Corporation, China Telecom, CEPRI | update KPI table and question to section 5.5.6 | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) |  | 104r1 pre-agreed | Revised to S1-211429 |
| 09 | 7.9.1 | S1-211429 | ZTE, China Telecom, CEPRI | update KPI table and question to section 5.5.6 | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Revision of S1-211104 | Same as 104r1  Revision of S1-211104. | Agreed |
| 10 | 7.9.1 | [**S1-211206**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211206.zip) | Samsung, EUTC | Availability considerations for critical energy distribution substations | discussion |  |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | This paper provides additional explanation for use case 5.7, to clarify why RAN information visibility to the MNO enables proactive intervention and how this improves electrical service. |  | Noted |
| 11 | 7.9.1 | [**S1-211208**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211208.zip) | Samsung, EUTC | 22.867 P-CR: FS\_5GSEI P-CR for 5.7 – revisiting requirements | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Changes are proposed that are intended to end the controversy around the editor’s notes in this use case.  Rev2 presented. | Samsung has two comments:  - on "[PR.5.7.6-006] The 5G system shall provide a means by which an MNO can inform 3rd parties of information that are relevant to indicate communication service performance degradation." -> two concerns. First, it is not enough to indicate degradation. Data showing performance allows the utility to observe several factors over time - one of which being mobile communication performance - to identify the \_correlation\_ of factors that precede outages and problems. This is why we talk about information delivered \_with a frequency\_ (not just a one time 'indication')  - The second issue is that if we do not mention what the 'relevant information' is, we lose the insights of the subject matter experts who have shared their experience in this study. This is an invitation to restart from scratch which is not productive  Rev7: an editor’s note to be slightly changed  Rev8 agreed. | Revised to S1-211430 |
| 12 | 7.9.1 | S1-211430 | Samsung, EUTC | 22.867 P-CR: FS\_5GSEI P-CR for 5.7 – revisiting requirements | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Revision of S1-211208 | Same as 208r8  Revision of S1-211208. | Agreed |
| 13 | 7.9.1 | [**S1-211109**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211109.zip) | CEPRI, ZTE Corporation, China Telecom | Add a KPI table for section 5.8 | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) |  | 109r1 pre-agreed | Revised to S1-211431 |
| 14 | 7.9.1 | S1-211431 | CEPRI, ZTE, China Telecom | Add a KPI table for section 5.8 | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Revision of S1-211109 | Same as 109r1 agreed  Revision of S1-211109. | Agreed |
| 15 | 7.9.1 | [**S1-211141**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211141.zip) | Huawei Technologies France | Update to the Use Case of 5\_13 supporting communication for the transmission of synchrophasors in wide-area smart grid | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Rev1 presented. | Siemens is fine with this version.  Rev1 agreed  Rev6: correct typo. | Revised to S1-211432 |
| 16 | 7.9.1 | S1-211432 | Huawei | Update to the Use Case of 5\_13 supporting communication for the transmission of synchrophasors in wide-area smart grid | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Revision of S1-211141 | Same as 432r2  Revision of S1-211141. | Agreed |
| 17 | 7.9.1 | [**S1-211170**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211170.zip) | Huawei Technologies France | Update to the Use Case of 5\_16 Protection of DER and grid interconnection | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Rev2 presented. | Some further possible impprovements identified while prenting. | Revised to S1-211433 |
| 18 | 7.9.1 | S1-211433 | Huawei | Update to the Use Case of 5\_16 Protection of DER and grid interconnection | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Revision of S1-211170 | Same as 170r3  Revision of S1-211170. | Agreed |
| 20 | 7.9.1 | [**S1-211153**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211153.zip) | China Telecomunication Corp. | ProposalforconsolidatedpotentialrequirementsinFS\_5GSEI | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | This paper proposes the consolidated potential requirement based on existing use cases for FS\_5GSEI in TR 22.867 v0.3.0. | 153r2  (o: New version)  Rev5: agreed | Revised to S1-211434 |
| 21 | 7.9.1 | S1-211434 | China Telecom | Proposal for consolidated potential requirements in FS\_5GSEI | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Revision of S1-211153 | Same as 153r6  Revision of S1-211153. | Agreed |
| 22 | 7.9.1 | [**S1-211152**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211152.zip) | China Telecomunication Corp. | Consolidated KPI for FS\_SEI | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | This paper proposes the consolidated KPI requirements for 5GSEI TR 22.867. | 152r2  (o: New version)  Rev4: comments to be removed  Rev5 agreed. | Revised to S1-211435 |
| 23 | 7.9.1 | S1-211435 | China Telecom | Consolidated KPI for FS\_SEI | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) | Revision of S1-211152 | Same as 152r5  Revision of S1-211152. | Agreed |
| 24 | 7.9.1 | [**S1-211143**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211143.zip) | Huawei Technologies France | Update to the Use Case of 5\_16 Protection of DER and grid interconnection | pCR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) |  |  | Withdrawn |
| 01 | 7.9.2 | S1-211305 | Rapporteur (China Telecom) | Cover page for presentation/approval of TR22.867v1.1.0 | CP | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.9.2 | S1-211306 | Rapporteur (China Telecom) | TR22.867v1.1.0 to include agreements at this meeting | TR | [**22.867**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3770) |  |  |  | 1.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_5GSEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880038) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.10.1 | [**S1-211125**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211125.zip) | Spreadtrum Communications | FS\_Ranging: Update on the use case of 5.12 Finding pets in a long distance based on energy efficient Ranging | pCR | [**22.855**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3771) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Ranging**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880039) | This document proposes to give some update on use case of 5.12 Finding pets in a long distance based on energy efficient Ranging. The main purpose is to extend the scenario of the use case, by adding some description on realizing the UC based on the smartphones of the friendly volunteers. |  | Agreed |
| 03 | 7.10.1 | [**S1-211015**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211015.zip) | Beijing Xiaomi Mobile Software | FS\_Ranging consolidated requirements | pCR | [**22.855**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3771) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Ranging**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880039) |  | 015r4 | Revised to S1-211436 |
| 04 | 7.10.1 | S1-211436 | Xiaomi | FS\_Ranging consolidated requirements | pCR | [**22.855**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3771) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Ranging**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880039) | Revision of S1-211015 | Same as 015r4  Revision of S1-211015. | Agreed |
| 05 | 7.10.1 | [**S1-211053**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211053.zip) | Huawei | CR for Ranging Consolidation | pCR | [**22.855**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3771) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Ranging**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880039) |  | orig. | Agreed |
|  | 7.10.2 | S1-211506 | Rapporteur (Xiaomi) | TR ranging cover page | CP | [**22.855**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3771) |  |  |  | 1.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Ranging**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880039) |  |  |  |
|  | 7.10.2 | S1-211505 | Rapporteur (Xiaomi) | TR Ranging 22.855, output version | TR | [**22.855**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3771) |  |  |  | 1.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Ranging**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880039) |  |  | Agreed |
| 02 | 7.10.2 | [**S1-211014**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211014.zip) | Beijing Xiaomi Mobile Software | Adding High-level and Performance Requirements for Ranging | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0506 |  | B | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**Ranging**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910040) | Ranging definition is added in chapter 3. A new section including the general description and functional requirement for ranging based services are added in chapter 6. A new section including KPIs for Ranging based services is added in chapter 7. | Some values are not agreeable to Qualcomm (e.g. Long Distance Search, that they see more as 1km).  The note about unlicensed spectrum is also subject to further discussions. The concept of “Partial coverage” should be explained.  To be continue by e-mail.  Rev10 presented.  Colum “Ranging service level” to be deleted.  Rev11 agreed | Revised to S1-211437 |
| 03 | 7.10.2 | S1-211437 | Xiaomi | Adding High-level and Performance Requirements for Ranging | CR | 22.261 | 0506 | 1 | B | 18.2.0 | Rel-18 | Ranging | Revision of S1-211014 | B  Same as 014r11  Revision of S1-211014. | Agreed |
| 03 | 7.11.1 | [**S1-211127**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211127.zip) | Spreadtrum Communications | Editorial update for TR 22858 v1.0.0 | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Editorial update for TR 22858 v1.0.0. |  | Agreed |
| 04 | 7.11.1 | [**S1-211183**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211183.zip) | Nokia, Nokia Shanghai Bell | FS\_RESIDENT terminology cleanup | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  |  | Agreed |
| 05 | 7.11.1 | [**S1-211232**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211232.zip) | KPN N.V. | removal of considerations sections | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  |  | Agreed |
| 06 | 7.11.1 | [**S1-211226**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211226.zip) | KPN N.V. | Architecture description for Resident | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This tdoc proposes an annex with architecture pictures for Resident. | 226r3 | Revised to S1-211438 |
| 07 | 7.11.1 | S1-211438 | KPN | Architecture description for Resident | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | Same as 226r3  Revision of S1-211226. | Agreed |
| 08 | 7.11.1 | [**S1-211204**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211204.zip) | Apple | eRG and PRAS support of regulatory requirements | discussion |  |  |  |  |  |  |  |  | Led to S1-211293 | Noted |
| 09 | 7.11.1 | S1-211293 | Apple | eRG and PRAS support of regulatory requirements | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Resulting from S1-211204 | 293r1 | Revised to S1-211439 |
| 10 | 7.11.1 | S1-211439 | Apple | eRG and PRAS support of regulatory requirements | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211293 | Same as 293r1  Revision of S1-211293. | Agreed |
| 12 | 7.11.1 | [**S1-211182**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211182.zip) | Nokia, Nokia Shanghai Bell | FS\_RESIDENT: eRG roles | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 182r3 | Revised to S1-211440 |
| 13 | 7.11.1 | S1-211440 | Nokia, Nokia Shanghai Bell | FS\_RESIDENT: eRG roles | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211182 | Same as 182r4  Revision of S1-211182. | Agreed |
| 14 | 7.11.1 | [**S1-211047**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211047.zip) | Convida Wireless | FS\_Resident - Update eRG supporting multiple connectivity use case | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This document updates the use case to include how the 5G network can support the eRG to be configurable by multiple parties and for the eRG to host network management functions provided by the operator or a third-party provider. New requirements are added for the use case. The eRG may be able to host network application functions such as a media server provided by the IPTV provider. In addition, both the operator and the eRG owner may configure different operational aspects of the eRG. | 047r7  (o: Nokia, Huawei)  Rev8 presented  Rev9 agreed | Revised to S1-211441 |
| 15 | 7.11.1 | S1-211441 | Convida Wireless | FS\_Resident - Update eRG supporting multiple connectivity use case | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211047 | Same as 047r9  Revision of S1-211047. | Agreed |
| 16 | 7.11.1 | [**S1-211054**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211054.zip) | InterDigital | FS\_Resident: Resolving the Editor’s note on the use case of seamless switching to a service hosting environment via an evolved residential gateway | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 054r4 | Revised to S1-211442 |
| 17 | 7.11.1 | S1-211442 | InterDigital | FS\_Resident: Resolving the Editor’s note on the use case of seamless switching to a service hosting environment via an evolved residential gateway | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211054 | Same as 054r4  Revision of S1-211054. | Agreed |
| 18 | 7.11.1 | [**S1-211056**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211056.zip) | InterDigital | FS\_Resident: Replacing the term service hosting environment | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 056r2 | Revised to S1-211443 |
| 19 | 7.11.1 | S1-211443 | InterDigital | FS\_Resident: Replacing the term service hosting environment | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211056 | Same as 056r2  Revision of S1-211056. | Agreed |
| 20 | 7.11.1 | [**S1-211126**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211126.zip) | China Telecom Corporation Ltd. | Update on the use case on the connection of 5G LAN with fixed IP VPN | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This paper proposes to update clause 5.16. |  | Noted |
| 21 | 7.11.1 | [**S1-211129**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211129.zip) | Spreadtrum Communications | Clarification on PRAS sharing | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This document proposes to resolve the Editor’s Notes in clause 5.14.6. | 129r1 | Revised to S1-211444 |
| 22 | 7.11.1 | S1-211444 | Spreadtrum Communications | Clarification on PRAS sharing | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211129 | Same as 129r1  Revision of S1-211129. | Agreed |
| 23 | 7.11.1 | [**S1-211132**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211132.zip) | China Telecom | Resolving the Editor's Note on Use case of QoS maintenance from outdoor to indoor | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 132r1 | Revised to S1-211445 |
| 24 | 7.11.1 | S1-211445 | China Telecom | Resolving the Editor's Note on Use case of QoS maintenance from outdoor to indoor | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211132 | Same as 132r1  Revision of S1-211132. | Agreed |
| 25 | 7.11.1 | [**S1-211133**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211133.zip) | Huawei, Hisilicon | Update use case 5.15 for multicast service access control for legacy device behind an eRG | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | The pCR adds a potential requirement to the use case 5.15 in FS\_Resident. | 133r6 | Revised to S1-211446 |
| 26 | 7.11.1 | S1-211446 | Huawei, Hisilicon | Update use case 5.15 for multicast service access control for legacy device behind an eRG | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211133 | Same as 133r6  Revision of S1-211133. | Agreed |
| 27 | 7.11.1 | [**S1-211145**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211145.zip) | Huawei Technologies France | Update to the use case of IP traffic offload by eRG in clause 5\_13 | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 145r1  (o: Nokia) | Revised to S1-211447 |
| 28 | 7.11.1 | S1-211447 | Huawei | Update to the use case of IP traffic offload by eRG in clause 5\_13 | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211145 | Same as 145r1  Revision of S1-211145. | Agreed |
| 29 | 7.11.1 | [**S1-211166**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211166.zip) | Apple | Clarification for loss of connectivity to 5GC use case | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 166r5 | Revised to S1-211448 |
| 30 | 7.11.1 | S1-211448 | Apple | Clarification for loss of connectivity to 5GC use case | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211166 | Same as 166r5  Revision of S1-211166. | Agreed |
| 31 | 7.11.1 | [**S1-211167**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211167.zip) | Apple | Clean-up of 'off-the-shelf' | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 167r1 agreed | Revised to S1-211449 |
| 32 | 7.11.1 | S1-211449 | Apple | Clean-up of 'off-the-shelf' | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211167 | Same as 167r1  Revision of S1-211167. | Agreed |
| 34 | 7.11.1 | [**S1-211078**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211078.zip) | InterDigital | FS\_Resident: Providing 5G Multicast-Broadcast Services (5MBS) for devices through eRG | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 078r7 | Revised to S1-211450 |
| 35 | 7.11.1 | S1-211450 | InterDigital | FS\_Resident: Providing 5G Multicast-Broadcast Services (5MBS) for devices through eRG | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211078 | Same as 078r7  Revision of S1-211078. | Agreed |
| 36 | 7.11.1 | [**S1-211131**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211131.zip) | Spreadtrum Communications | New use case on supporting MBMS | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This document proposes a new use case for the study item FS\_Resident on Multicast and Broadcast in 3GPP TR 22.858 version 1.0.0. | orig.  (o: Nokia) | Noted |
| 37 | 7.11.1 | [**S1-211142**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211142.zip) | TOYOTA MOTOR CORPORATION | FS\_Resident: New use case on Multicast/Broadcast | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This paper proposes a new use case for the study item FS\_Resident on Multicast/Broadcast. | Moved from 7.1.1 | Merge to S1-211078r3 |
| 38 | 7.11.1 | [**S1-211209**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211209.zip) | Intel | Enable support for PRAS in Customer Premises Network | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | this PCR proposed to enable support for PRAS which is not provided by the operator and does not have 3GPP credentials in CPN. | 209r5  (o: Nokia, LG)  Rev7 presented | Revised to S1-211451 |
| 39 | 7.11.1 | S1-211451 | Intel | Enable support for PRAS in Customer Premises Network | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | Same as 209r7  Revision of S1-211209. | Agreed |
| 40 | 7.11.1 | [**S1-211082**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211082.zip) | InterDigital | FS\_Resident: Use case on enabling minimum user interaction for a relocated evolved residential gateway | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 082r2 | Noted |
| 41 | 7.11.1 | [**S1-211083**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211083.zip) | InterDigital | FS\_Resident: Use case on seamless and low latency access for a remote UE in a customer premises network | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 083r1 | Noted |
| 42 | 7.11.1 | [**S1-211128**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211128.zip) | Spreadtrum Communications | New use case on default unlicensed spectrum usage | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This document proposes a new use case the study item FS\_Resident on default unlicensed spectrum usage in 3GPP TR 22.858 version 1.0.0. | 128r4 | Revised to S1-211452 |
| 43 | 7.11.1 | S1-211452 | Spreadtrum Communications | New use case on default unlicensed spectrum usage | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211128 | Same as 128r4  Revision of S1-211128. | Revised to S1-211504 |
| 43r | 7.11.1 | S1-211504 | Spreadtrum Communications | New use case on default unlicensed spectrum usage | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211452 | Replaces S1-211452 (which was used by mistake for another contribution) | Agreed. |
| 44 | 7.11.1 | [**S1-211207**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211207.zip) | Intel | Use Case for Identity provisioning to external services behind eRG in CPN | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This PCR provides use case for local cloud in CPN and proposed to enable 5G system support for identity provisioning to external services behind eRG in CPN. | 207r4  (o: Nokia, LG)  Rev5 agreed | Revised to S1-211453 |
| 45 | 7.11.1 | S1-211453 | Intel | Use Case for Identity provisioning to external services behind eRG in CPN | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211207 | Same as 207r5  Revision of S1-211207. | Agreed |
| 46 | 7.11.1 | [**S1-211140**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211140.zip) | TOYOTA MOTOR CORPORATION | FS\_Resident: New use case on dual connectivity of PRAS and macro base | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This paper proposes a new use case for the study item FS\_Resident on dual connectivity of PRAS and macro base station. |  | Noted |
| 48 | 7.11.1 | [**S1-211224**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211224.zip) | KPN N.V. | Resident and PINs consolidation spreadsheet | discussion |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | The intention of this spreadsheet is to do a joint consolidation of potential requirements between Resident and PINs. There is a number of topics, where both Resident and PINs have similar/related requirements. E.g. requirements for PINs could also apply to Resident and vice versa. |  | Noted |
| 49 | 7.11.1 | [S1-211297](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211297.zip) | Rapporteur (KPN) | Proposed way forward the Resident+PINs requirements consolidation | Discussion |  |  |  |  |  | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | S1-211224r1 attempts to do joint requirements consolidation across PINs + Resident  Actual consolidated requirements will be added to both the PINs and Resident TRs (using revisions of S1-211225 and S1-211093)  S1-211224 contains a table with PINs and Resident contributions  Grouping requirements into common topics  Consolidating requirements were relevant  Other existing requirements can be copied | For Qualcomm, it is preferred to keep things separate at this stage: they do not see the value.  For Sony, the requirements are still being discussed, so it is too early for consolidation. Some preliminary commonalities can be investigated, e.g. sections headers for the consolidated requirements.  This is an acceptable way forward for Qualcomm.  Ericsson and Nokia mention some problems if the consolidation is started while continuing the work on the requirements. PALS night also be envolved.  A new thread is going to be created for improving alignment of different topics.  For Samsung, it is better to close the topics first and consolidate them separately, and then consolidate them together. To do both at the same time is not useful use of on-line time and might extent the completion date by one meeting.  Intel support the consolidation.  For Sony, the consolidation could be started now but it cannot be complete unless all the requirements are agreed and known.  See S1-211224r1, which is a proposal to consolidate the requirements from Resident and PINS.  There is a consensus that this coordination/consolidation is needed at some time but there is no consensus to have it done now (some companies prefer to wait for more stability of the different topics). | Noted |
| 50 | 7.11.1 | [**S1-211225**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/s1-211225.zip) | KPN N.V. | Consolidated potential requirements | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | This document proposes a section on consolidated requirements for 22.858. Idea is to first discuss the consolidated potential requirements based on the discussion spreadsheet and then to populate the TR with the results. | No discussion thread. This contrib. take the output of discussion in thread [FS\_Resident - 22]  See 1325  Rev4 agreed | Revised to S1-211454 |
| 51 | 7.11.1 | S1-211454 | KPN | Consolidated potential requirements | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211225 | Same as 225r4  Revision of S1-211225. | Agreed |
| 52 | 7.11.1 | S1-211325 | TNO | Consolidated potential requirements – way forward | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 225r2 (including any last requirement added) Endorsed as base contribution for following work. – This will not be included in the TR. | Revised to S1-211455 |
| 53 | 7.11.1 | S1-211455 | KPN | Consolidated potential requirements – way forward | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | Same as 225r2 (including any last requirement added) Endorsed as base contribution for following work. – This will not be included in the TR.  Revision of S1-211325. | Endorsed |
| 54 | 7.11.1 | [**S1-211227**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211227.zip) | KPN N.V. | Resident conclusion section | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | 227r1 | Revised to S1-211456 |
| 55 | 7.11.1 | S1-211456 | KPN | Resident conclusion section | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | Revision of S1-211227 | Same as 227r1  Revision of S1-211227. | Agreed |
| 56 | 7.11.1 | [**S1-211114**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211114.zip) | HUAWEI TECHNOLOGIES Co. Ltd. | Update use case 5.15 for multicast service access control for legacy device behind an eRG | pCR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) | The pCR adds a potential requirement to use case 5.15 for multicast service access control for legacy device behind an eRG. |  | Withdrawn |
| 01 | 7.11.2 | [S1-211307](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211307.zip) | Rapporteur (KPN) | TR22.858v1.1.0 to include agreements at this meeting | TR | [**22.858**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3772) |  |  |  | 1.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.11.2 | [S1-211308](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211308.zip) | Rapporteur (KPN) | Cover page for presentation of TR22.855v1.1.0 | CP | 22.858 |  |  |  | 1.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_Resident**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880040) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 03 | 7.12.1 | [**S1-211085**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211085.zip) | vivo Mobile Communication Co., | PIN – Definitions update – PIN, PIN Element, PIN Gateway | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | 085r05 | Revised to S1-211457 |
| 04 | 7.12.1 | S1-211457 | Vivo | PIN – Definitions update – PIN, PIN Element, PIN Gateway | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211085 | Same as 085r05  Revision of S1-211085. | Agreed |
| 05 | 7.12.1 | [**S1-211095**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211095.zip) | vivo Mobile Communication Co., | PIN – Definitions update - PIN direct connection | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | 095r04 | Revised to S1-211458 |
| 06 | 7.12.1 | S1-211458 | Vivo | PIN – Definitions update - PIN direct connection | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211095 | Same as 095r04  Revision of S1-211095. | Agreed |
| 07 | 7.12.1 | [**S1-211087**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211087.zip) | vivo Mobile Communication Co., | PIN - Overview update | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | 087r01 agreed | Revised to S1-211459 |
| 08 | 7.12.1 | S1-211459 | Vivo | PIN - Overview update | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211087 | Same as 087r01  Revision of S1-211087. | Agreed |
| 09 | 7.12.1 | [**S1-211094**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211094.zip) | vivo Mobile Communication Co., | PIN – Connectivity Models | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | 094r02 pre-agreed | Revised to S1-211460 |
| 10 | 7.12.1 | S1-211460 | Vivo | PIN – Connectivity Models | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211094 | Same as 094r03  Revision of S1-211094. | Agreed |
| 11 | 7.12.1 | [**S1-211091**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211091.zip) | vivo Mobile Communication Co., | PIN – Update considerations section – references to technologies + data rates | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  |  | Noted |
| 13 | 7.12.1 | [**S1-211088**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211088.zip) | vivo Mobile Communication Co., | PIN – Usecase 5.1 update – clarification of re-configuration and PRs | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Rev1 presented.  This document proposes to update the inHome usecase to clarify how network reconfigures itself. | 088r07 | Revised to S1-211461 |
| 14 | 7.12.1 | S1-211461 | Vivo | PIN – Usecase 5.1 update – clarification of re-configuration and PRs | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211088 | Same as 088r07  Revision of S1-211088. | Agreed |
| 15 | 7.12.1 | [**S1-211052**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211052.zip) | Deutsche Telekom AG | Update of guest PIN element use case | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | 052r1 agreed | Revised to S1-211462 |
| 16 | 7.12.1 | S1-211462 | Deutsche Telekom | Update of guest PIN element use case | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211052 | Same as 052r1  Revision of S1-211052. | Agreed |
| 17 | 7.12.1 | [**S1-211089**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211089.zip) | vivo Mobile Communication Co., | PIN – Usecase update - The lost dog | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  |  | Noted |
| 18 | 7.12.1 | [**S1-211092**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211092.zip) | vivo Mobile Communication Co., | PIN – Update existing usecases - KPI’s information additions | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  |  | Agreed |
| 19 | 7.12.1 | [**S1-211205**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211205.zip) | Intel | Update Use Case 5.5 for UEs to access PIN | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | This PCR proposed to update Use case 5.5 including clean up, clarification and terminologies alignments (TR22.859) | 205r1 pre-agreed | Revised to S1-211463 |
| 20 | 7.12.1 | S1-211463 | Intel | Update Use Case 5.5 for UEs to access PIN | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211205 | Same as 205r1  Revision of S1-211205. | Agreed |
| 21 | 7.12.1 | [**S1-211036**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211036.zip) | InterDigital | FS\_PIN: Resolving Editor's Notes on the Use Case UE accessing PIN applications hosted by gateways | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | 036r4 | Revised to S1-211464 |
| 22 | 7.12.1 | S1-211464 | InterDigital | FS\_PIN: Resolving Editor's Notes on the Use Case UE accessing PIN applications hosted by gateways | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211036 | Same as 036r4  Revision of S1-211036. | Agreed |
| 23 | 7.12.1 | [**S1-211157**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211157.zip) | Huawei, Huawei Device | FS\_PIN: Addition of Edge Computing solutions to clause 5.6.5 | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Clause 5.6.5 deals with Existing features partly or fully covering the use case functionality for the use case of a UE accessing PIN applications hosted by a PIN Element with Gateway Capability. To understand the 3GPP solutions in Edge Computing, this document proposes to add references to the Release 17 work in SA2 and SA6 on Edge Computing. Because PIN computing is not the same as SHE as defined in TS 22.261, the references to SHE are removed. |  | Agreed |
| 24 | 7.12.1 | [**S1-211090**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211090.zip) | vivo Mobile Communication Co., | PIN –usecase update – The tour guide | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  |  | Noted |
| 25 | 7.12.1 | [**S1-211158**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211158.zip) | Huawei, Huawei Device | FS\_PIN: Security concerns on broadcast-based service discovery | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Clause 5.8 deals with the Use Case of support of broadcast-based service discovery and highlights the role that the gateway can take in reducing the amount of broadcast messages within a PIN. This paper proposes to document the security risks with service broadcast within a PIN and proposes that any PIN element - not just the gateway - can help to mitigate these risks. |  | Agreed |
| 26 | 7.12.1 | [**S1-211046**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211046.zip) | Convida Wireless, vivo Mobile Communications Co. LTD | FS\_PIN - Update Personal Health Monitoring use case | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | This document updates the use case to include how the 5G network can support PIN Elements in emergency situations and adds new potential requirements. The personal health devices are providing measurements for life-threatening situations and therefore require access to the 5G network during emergency situations. In case of a disruption to one communication path, the measurements can still be sent through the 5G network using another communication path. | 046r4  (o: Sony) | Revised to S1-211465 |
| 27 | 7.12.1 | S1-211465 | Convida Wireless, Vivo | FS\_PIN - Update Personal Health Monitoring use case | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211046 | Same as 046r6  Revision of S1-211046. | Agreed |
| 28 | 7.12.1 | [**S1-211184**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211184.zip) | Futurewei Technologies, Philips International B.V, Vivo Mobile Communications Ltd | use case update and New requirements for FS\_PIN: dynamic creation of an on-demand 5G PIN at home | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | This document proposes updates on the use cases and adding new requirement for the use case of dynamic creation of an on-demand PIN. | 094r03 pre-agreed | Revised to S1-211466 |
| 29 | 7.12.1 | S1-211466 | Futurewei, Philips, Vivo | use case update and New requirements for FS\_PIN: dynamic creation of an on-demand 5G PIN at home | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211184 | Same as 184r3  Revision of S1-211184. | Agreed |
| 31 | 7.12.1 | [**S1-211198**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211198.zip) | Lenovo, Motorola Mobility, vivo mobile communication limited, Intel | Use case for Operator managed PIN | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | [**S1210140**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1192554) | Revised to S1-211467 |
| 32 | 7.12.1 | S1-211467 | Lenovo, Motorola, Vivo, Intel | Use case for Operator managed PIN | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) | Revision of S1-211198 | Same as 198r2  Revision of S1-211198. | Agreed |
| 33 | 7.12.1 | S1-211289 | Philips International B.V. | New use case on smart hospital beds | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | 289r4 | Revised to S1-211468 |
| 34 | 7.12.1 | S1-211468 | Philips | New use case on smart hospital beds | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | Same as 289r4  Revision of S1-211289. | Agreed |
| 36 | 7.12.1 | [**S1-211093**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211093.zip) | vivo Mobile Communication Co., | PIN – requirements consolidation | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | 093r06  (o: way forward) | Revised to S1-211469 |
| 37 | 7.12.1 | S1-211469 | Vivo | PIN – requirements consolidation | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | Same as 093r07  Revision of S1-211093. | Agreed |
| 38 | 7.12.1 | [**S1-211096**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211096.zip) | vivo Mobile Communication Co., | PIN - Conclusions | pCR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  |  | Noted |
| 01 | 7.12.2 | S1-211309 | Rapporteur (vivo) | TR22.859 v1.1.0 to include agreements at this meeting | TR | [**22.859**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3773) |  |  |  | 1.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PIN**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=880041) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.12.2 | S1-211310 | Rapporteur (vivo) | Cover page for presentation/approval of TR22.855 v1.1.0 | CP |  |  |  |  |  |  |  |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 03 | 7.13.1 | [**S1-211154**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211154.zip) | Ericsson | Update terminology throughout TR 22.844 (e.g. remove “PALS”) | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | r2 pre-agreed | Revised to S1-211470 |
| 04 | 7.13.1 | S1-211470 | Ericsson | Update terminology throughout TR 22.844 (e.g. remove “PALS”) | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 154r2  Revision of S1-211154. | Agreed |
| 05 | 7.13.1 | [**S1-211197**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211197.zip) | Samsung R&D Institute UK | 22.844 P-CR: Overview | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) | The overview clause in TR 22.844 can be completed now that the TR has taken shape. |  | Agreed |
| 07 | 7.13.1 | [**S1-211079**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211079.zip) | Futurewei Technologies | Update potential new requirements for use case 5.2 on roaming service | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) | This document proposes modifications on the potential new requirements |  | Noted |
| 08 | 7.13.1 | [**S1-211210**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211210.zip) | Intel | Update Use Case 5.3 for home network services via hosting networks | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) | This PCR proposed to clean up and update the service requirements. | 210r3 | Revised to S1-211471 |
| 09 | 7.13.1 | S1-211471 | Intel | Update Use Case 5.3 for home network services via hosting networks | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 210r3  Revision of S1-211210. | Agreed |
| 10 | 7.13.1 | [**S1-211149**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211149.zip) | Ericsson | Minor clarification to chapter 5.3 | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Merged into S1-211210r2 | Merge into S1-211210r2 |
| 11 | 7.13.1 | [**S1-211080**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211080.zip) | Futurewei Technologies | Update use case 5.4 for UEs using on demand services via hosting | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) | This document proposes modification on the use case and potential new requirements. | 080r04 agreed | Revised to S1-211472 |
| 12 | 7.13.1 | S1-211472 | Futurewei | Update use case 5.4 for UEs using on demand services via hosting | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 080r04  Revision of S1-211080. | Agreed |
| 13 | 7.13.1 | [**S1-211211**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211211.zip) | Intel | Update Use Case 5.4 for on demand services via hosting networks | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) | This PCR proposed to clean up and update the service requirements. (TR22.844) | 211r3 agreed | Revised to S1-211473 |
| 14 | 7.13.1 | S1-211473 | Intel | Update Use Case 5.4 for on demand services via hosting networks | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 211r3  Revision of S1-211211. | Agreed |
| 15 | 7.13.1 | [**S1-211150**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211150.zip) | Ericsson LM | Changes to chapter 5.4.6 | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | 150r2 agreed | Revised to S1-211474 |
| 16 | 7.13.1 | S1-211474 | Ericsson | Changes to chapter 5.4.6 | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 150r2  Revision of S1-211150. | Agreed |
| 17 | 7.13.1 | [**S1-211081**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211081.zip) | Futurewei Technologies | modification of use case 5.6: Automatic discovery and selection of 3rd party provider services over Hosting network access | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) | This document proposes modification on the use case and potential new requirements | r2 pre-agreed | Revised to S1-211475 |
| 18 | 7.13.1 | S1-211475 | Futurewei | modification of use case 5.6: Automatic discovery and selection of 3rd party provider services over Hosting network access | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 081r02  Revision of S1-211081. | Agreed |
| 19 | 7.13.1 | [**S1-211076**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211076.zip) | OTD | FS\_PALS Update of requirement for use case | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) | This document includes an enhancement to the existing requirement to support the use case of clause 5.9.6. | 076r2 | Revised to S1-211476 |
| 20 | 7.13.1 | S1-211476 |  | FS\_PALS Update of requirement for use case | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 076r2  Revision of S1-211076. | Agreed |
| 21 | 7.13.1 | [**S1-211230**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211230.zip) | QUALCOMM JAPAN LLC. | Update to FS\_PALS: steering based on signal quality | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | 230r1  (o: new version)  Rev2 agreed  “hosting network” is potentially to be revisited at normative phase, after checking whether it conflicts with the terminology used for other work items, in particular “network sharing”. | Revised to S1-211477 |
| 22 | 7.13.1 | S1-211477 | Qualcomm | Update to FS\_PALS: steering based on signal quality | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 230r2  Revision of S1-211230. | Agreed |
| 23 | 7.13.1 | [**S1-211051**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211051.zip) | Deutsche Telekom AG | Clarification of PALS steering requirement | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  |  | Agreed |
| 24 | 7.13.1 | [**S1-211159**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211159.zip) | Ericsson | Changes to chapter 5.12 (e.g. split the single requirement into two requirements) | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | r2 pre-agreed | Revised to S1-211478 |
| 25 | 7.13.1 | S1-211478 | Ericsson | Changes to chapter 5.12 (e.g. split the single requirement into two requirements) | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 159r2  Revision of S1-211159. | Agreed |
| 27 | 7.13.1 | [**S1-211049**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211049.zip) | InterDigital | FS\_PALS: Use case on managing a high number of UEs returning from a local hosting network to home network | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | 049r1 | Revised to S1-211479 |
| 28 | 7.13.1 | S1-211479 | InterDigital | FS\_PALS: Use case on managing a high number of UEs returning from a local hosting network to home network | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 049r1  Revision of S1-211049. | Agreed |
| 29 | 7.13.1 | [**S1-211258**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211258.zip) | Philips International B.V. | FS\_PALS New use case on localized 5G network access on a cruise ship | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | 258r3  (o: DT)  Rev4 agreed | Revised to S1-211480 |
| 30 | 7.13.1 | S1-211480 | Philips | FS\_PALS New use case on localized 5G network access on a cruise ship | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 258r4  Revision of S1-211258. | Agreed |
| 31 | 7.13.1 | [**S1-211259**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211259.zip) | Philips International B.V. | FS\_PALS New use case on localized network for a mass casualty incident | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | 259r3 | Revised to S1-211481 |
| 32 | 7.13.1 | S1-211481 | Philips | FS\_PALS New use case on localized network for a mass casualty incident | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 259r3  Revision of S1-211259. | Agreed |
| 33 | 7.13.1 | [**S1-211172**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211172.zip) | Ericsson | New use case for steering of UEs between hosting local networks and PLMNs | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | 172r4 | Revised to S1-211482 |
| 34 | 7.13.1 | S1-211482 | Ericsson | New use case for steering of UEs between hosting local networks and PLMNs | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 172r4  Revision of S1-211172. | Agreed |
| 36 | 7.13.1 | [**S1-211231**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211231.zip) | QUALCOMM JAPAN LLC. | FS\_PALS proposal for consolidated requirements | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | 231r6  (o: new version)  Rev7 agreed | Revised to S1-211483 |
| 37 | 7.13.1 | S1-211483 | Qualcomm | FS\_PALS proposal for consolidated requirements | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | Same as 231r7  (o: new version)  Revision of S1-211231. | Agreed |
| 38 | 7.13.1 | [**S1-211233**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211233.zip) | QUALCOMM JAPAN LLC. | Proposal for FS\_PALS TR conclusions | pCR | [**22.844**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3831) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  |  | Agreed |
| 01 | 7.13.2 | S1-211311 | Rapporteur (Qualcomm) | TR22.844 v0.3.0 to include agreements at this meeting | TR | 22.844 |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_PALS**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890023) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.13.2 | [**S1-211234**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211234.zip) | QUALCOMM JAPAN LLC. | cover for TR 22.844 transmission to SA | other |  |  |  |  |  |  |  |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 03 | 7.14.1 | [**S1-211238**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211238.zip) | Qualcomm Incorporated | Update to Overview (sec.4) | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | orig. | Agreed |
| 04 | 7.14.1 | [**S1-211240**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211240.zip) | Qualcomm Incorporated | Update to Other Aspects - sec.6 | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 240r2 | Revised to S1-211484 |
| 05 | 7.14.1 | S1-211484 | Qualcomm | Update to Other Aspects - sec.6 | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 240r2  Revision of S1-211240. | Agreed |
| 06 | 7.14.1 | [S1-211315](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_94e/docs/S1-211315.zip) | Qualcomm | FS\_VMR terminology options | Discussion | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) | This discussion paper proposes to replace “Mobile base station relay” by one of the two:  - “Mobile relay node”. “node” is more generic (arch. wise) and “5G oriented” than Base Station  Relay node is already used in TSs, and other R18 TRs/CRs (e.g. EASNS). As opposed to Relay UE  - or “Vehicle relay node”. To make the requirements more specific to relay nodes mounted on vehicles  SA1 is asked to determine if there is any support to change terminology, and preferred option | Interdigital does not support the use of “Vehicle”, which is too specific.  A status-quo is the preferred approach. | Noted |
| 08 | 7.14.1 | [**S1-211019**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211019.zip) | SyncTechno Inc. | Update to UC Multiple working modes of vehicle mounted base station | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) | The update adds capability for the 5G system to reject access to mobile relays to certain UEs in "Multiple working modes" use case |  | Noted |
| 09 | 7.14.1 | [**S1-211241**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211241.zip) | Qualcomm Incorporated | Update to sec 5.10 - Incentives and Charging | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 241r1 | Revised to S1-211485 |
| 10 | 7.14.1 | S1-211485 | Qualcomm | Update to sec 5.10 - Incentives and Charging | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 241r1  Revision of S1-211241. | Agreed |
| 11 | 7.14.1 | [**S1-211244**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211244.zip) | Qualcomm Incorporated | Update to use case on relay-macro connectivity | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 244\_r2 (@author please correct the format) | Revised to S1-211486 |
| 12 | 7.14.1 | S1-211486 | Qualcomm | Update to use case on relay-macro connectivity | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 244\_r2  Revision of S1-211244. | Agreed |
| 13 | 7.14.1 | [**S1-211242**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211242.zip) | Qualcomm Incorporated | Update to use case on mobile relays sharing | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 242r1 | Revised to S1-211487 |
| 14 | 7.14.1 | S1-211487 | Qualcomm | Update to use case on mobile relays sharing | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 242r1  Revision of S1-211242. | Agreed |
| 16 | 7.14.1 | [**S1-211020**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211020.zip) | SyncTechno Inc. | New UC Monitoring of vehicle-mounted relays | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) | This document proposes a new use case “Monitoring of vehicle-mounted relays” to be added to FS\_VMR TR 22.839 v0.2.0. | 020r2 | Revised to S1-211488 |
| 17 | 7.14.1 | S1-211488 | SyncTechno | New UC Monitoring of vehicle-mounted relays | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 020r2  Revision of S1-211020. | Agreed |
| 18 | 7.14.1 | [**S1-211115**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211115.zip) | Philips International B.V. | Use case on VMR for improved connectivity through data caching | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 115r4 | Revised to S1-211489 |
| 19 | 7.14.1 | S1-211489 | Philips | Use case on VMR for improved connectivity through data caching | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 115r4  Revision of S1-211115. | Agreed |
| 20 | 7.14.1 | [**S1-211185**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211185.zip) | CATT | New Use case: Mobility between Non-terrestrial coverage and terrestrial coverage for Mobile Vehicular | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 185r2 | Revised to S1-211490 |
| 21 | 7.14.1 | S1-211490 | CATT | New Use case: Mobility between Non-terrestrial coverage and terrestrial coverage for Mobile Vehicular | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 185r2  Revision of S1-211185. | Agreed |
| 22 | 7.14.1 | [**S1-211186**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211186.zip) | CATT | New Use case: Mobile Vehicular Relays using Non-terrestrial and terrestrial access simultaneously | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 186r4 | Revised to S1-211491 |
| 23 | 7.14.1 | S1-211491 | CATT | New Use case: Mobile Vehicular Relays using Non-terrestrial and terrestrial access simultaneously | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 186r4  Revision of S1-211186. | Agreed |
| 24 | 7.14.1 | [**S1-211245**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211245.zip) | Qualcomm Incorporated | New use case on multi-relay connectivity | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 245r2 | Revised to S1-211492 |
| 25 | 7.14.1 | S1-211492 | Qualcomm | New use case on multi-relay connectivity | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 245r2  Revision of S1-211245. | Agreed |
| 26 | 7.14.1 | [**S1-211247**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211247.zip) | Qualcomm Incorporated | New use case on relay traffic over a 5G transport NW | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 247r2 | Revised to S1-211493 |
| 27 | 7.14.1 | S1-211493 | Qualcomm | New use case on relay traffic over a 5G transport NW | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 247r2  Revision of S1-211247. | Agreed |
| 29 | 7.14.1 | [**S1-211248**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211248.zip) | Qualcomm Incorporated | Initial proposal for consolidated requirements | discussion | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | 248r4  (o: C. U)  Rev5 : still no consensus.  Supporting it: 1 company (Qualcomm)  Prefer to wait until next meeting: 7 companies  It cannot be agreed at this stage. | Revised to S1-211502 |
| 30 | 7.14.1 | S1-211502 | Qualcomm | Initial proposal for consolidated requirements | discussion | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | Same as 248r4  Revision of S1-211248. | Noted |
| 31 | 7.14.1 | S1-211171 | CATT | New Use case: Mobility between Non-terrestrial coverage and terrestrial coverage for Mobile Vehicular | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  |  | Withdrawn |
| 32 | 7.14.1 | S1-211174 | CATT | New Use case: Mobile Vehicular Relays using Non-terrestrial and terrestrial access simultaneously | pCR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  |  | Withdrawn |
| 01 | 7.14.2 | S1-211312 | Rapporteur (Qualcomm) | TR22.839 v0.3.0 to include agreements at this meeting | TR | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.3.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 02 | 7.14.2 | S1-211250 | Qualcomm Incorporated | TR Cover Page | CP | [**22.839**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3830) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_VMR**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890022) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
| 03 | 7.16.1 | [**S1-211065**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211065.zip) | Xiaomi Communications | TACMM-3.1 Definitions section | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | More time needed by e-mail  Rev4: still issues with multi-modality.  Rev5 to be issued to remove multi-modality QoS.  Rev5 agreed. | Revised to S1-211494 |
| 04 | 7.16.1 | S1-211494 | Xiaomi | TACMM-3.1 Definitions section | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | Same as 065r5  Revision of S1-211065. | Agreed |
| 05 | 7.16.1 | [**S1-211228**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211228.zip) | China Mobile Com. Corporation | pCR TR 22.847 Update overview | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | orig. | Agreed |
| 06 | 7.16.1 | [**S1-211100**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211100.zip) | Qualcomm Korea | Proposal for FS\_TACMM TR Update | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | orig. | Agreed |
| 07 | 7.16.1 | [**S1-211214**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211214.zip) | LG Electronics Inc. | Proposed updates for TACMM TR 22.847 | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | orig. | Agreed |
| 09 | 7.16.1 | [**S1-211188**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211188.zip) | InterDigital | FS\_TACMM: Clarifications to the use case on immersive multi-modal VR application | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 188r1 | Revised to S1-211495 |
| 10 | 7.16.1 | S1-211495 | InterDigital | FS\_TACMM: Clarifications to the use case on immersive multi-modal VR application | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | Same as 188r1  Revision of S1-211188. | Agreed |
| 11 | 7.16.1 | [**S1-211216**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211216.zip) | China Mobile Com. Corporation | TACMM Adding potential requirement of Immersive VR games | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 216r1  (o: Nokia, Qualcomm)  Rev1: asked to remove req #2  Rev2 agreed. | Revised to S1-211496 |
| 12 | 7.16.1 | S1-211496 | China Mobile | TACMM Adding potential requirement of Immersive VR games | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | Same as 216r2  Revision of S1-211216. | Agreed |
| 13 | 7.16.1 | [**S1-211213**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211213.zip) | LG Electronics Inc. | Update for a UC on Support of Skillset Sharing for Cooperative Perception and Maneuvering of Robots | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 213r4  (o: Nokia)  Rev4: still not agreeable | Noted |
| 15 | 7.16.1 | [**S1-211061**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211061.zip) | Xiaomi Communications | TACMM-use cases new-Living Room Multi-modality Interaction System | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 061r5  (o: Nokia)  Rev5: | Noted |
| 16 | 7.16.1 | [**S1-211062**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211062.zip) | Xiaomi Communications | TACMM-use cases new-Multi-modality Conference Assistant | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 062r3  (o: Nokia) | Noted |
| 17 | 7.16.1 | [**S1-211063**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211063.zip) | Xiaomi Communications | TACMM-use case new-Multi-Modality Gaming System | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) | A new use case is proposed. | 063r1  (o: DT, Nokia, Qualcomm)  Rev4: for Nokia, this is not agreeable since several terms are not defined | Noted |
| 18 | 7.16.1 | [**S1-211064**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211064.zip) | Xiaomi Communications | TACMM-use cases new-Online Concert | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 064r3  (o: Nokia)  Rev5: still no compromise | Noted |
| 19 | 7.16.1 | [**S1-211130**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211130.zip) | China Telecom | Use case of Online shopping for the blind | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 130r3  (o: Nokia)  Rev4: still no compromise.  For Nokia, the Use cases can be provided only once the basis of the “time synch” is clear, there is no point in going proposal by proposal to repeat the same.  Interdigital agree that time synch is an issue but not all the use cases are on this point.  Adding the use cases without requirements was proposed as a compromise. This is however of no benefit to do this for Nokia nor Deutsche Telekom. | Noted |
| 20 | 7.16.1 | [**S1-211187**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211187.zip) | InterDigital | FS\_TACMM: Haptic feedback for a personal exclusion zone | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 187r4  (o: Nokia)  Rev4: as stated by e-mail, no agreement.  New number requested | Revised to S1-211497 |
| 21 | 7.16.1 | S1-211497 | InterDigital | FS\_TACMM: Haptic feedback for a personal exclusion zone | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | Same as 187r6 Revision of S1-211187. | Agreed |
| 22 | 7.16.1 | [**S1-211189**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211189.zip) | InterDigital, Telefónica | FS\_TACMM: Augmented robotic telepresence | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 189r3  (o: Nokia) | Revised to S1-211499 |
| 23 | 7.16.1 | S1-211499 | InterDigital, Telefónica | FS\_TACMM: Augmented robotic telepresence | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 189r3  Revision of S1-211189. | Noted |
| 24 | 7.16.1 | [**S1-211218**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211218.zip) | China Mobile Com. Corporation | TACMM use case Haptics Feedback Surgery | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | orig.  (o: Nokia) | Noted |
| 25 | 7.16.1 | [**S1-211219**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211219.zip) | China Mobile Com. Corporation | TACMM use case Real time haptic beat for music education | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) | A new use case is proposed concluding to potentially introduce 2 new requirements on the 5GS:  - it shall be able to support the coordination time delay among different data flows of multi-modality service of one UE.  - it shall be able to support coordinated packet loss on each flow of different modalities of one UE, to support the coordination among different data flows of multi-modality service. | Ericsson do not see the interest of such a requirement.  More generally, Nokia request delegates to check the KPIs resulting from this study. | Noted |
| 26 | 7.16.1 | [**S1-211220**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211220.zip) | China Mobile Com. Corporation | TACMM use case Remote Automated Mining | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | orig.  (o: Nokia)  Several comments raised during the week were not taken into account, for Nokia. | Noted |
| 27 | 7.16.1 | [**S1-211221**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211221.zip) | China Mobile Com. Corporation | TACMM use case Smart Prosthesis and Its Safety Model | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 221r1  (o: Nokia)  For Nokia, rev2 never came despite their comments. | Noted |
| 28 | 7.16.1 | [**S1-211222**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211222.zip) | China Mobile Com. Corporation | TACMM use case On-board Multiple Sensor Fusion | pCR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.1.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | 222r1  (o: Nokia)  Futurwei support the use case but need more time for the requirements. Ericsson have concerns by this version. | Noted |
| 01 | 7.16.2 | S1-211313 | Rapporteur (China Mobile) | TR22.847 v0.2.0 to include agreements at this meeting | TR | [**22.847**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3848) |  |  |  | 0.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_TACMM**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900027) |  | First draft by Mon 24th 23:00 UTC  Comments till Wed 26th 23:00UTC  Final version by Thu27th 23:00UTC | Agreed |
|  | 7.17.1 | [**S1-211180**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211180.zip) | Nokia, Nokia Shanghai Bell | Alignment of positioning power consumption aspects between 22.261 and 22.104 | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0526 |  | D | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**LPHAP**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910036) | In their previous meeting SA1 had decided to concentrate new power consumption aspects for low power high accuracy positioning in 22.104. This CR removes some legacy requirements in that domain from 22.261. A corresponding CR will introduce those in 22.104 | Qualcomm support this CR. | Agreed |
| 02 | 7.17.1 | [**S1-211040**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211040.zip) | Huawei, Hisilicon, Sony | Adding LPHAP requirements for Industrial IoT | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0072 |  | B | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**LPHAP**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910036) |  | 040r4 | Revised to S1-211498 |
| 03 | 7.17.1 | S1-211498 | Huawei, Hisilicon, Sony | Adding LPHAP requirements for Industrial IoT | CR | 22.104 | 0072 | 1 | B | 18.0.0 | Rel-18 | LPHAP | Revision of S1-211040 | Same as 040r4  Revision of S1-211040. | Agreed |
| 04 | 7.17.1 | [**S1-211181**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211181.zip) | Nokia, Nokia Shanghai Bell | Alignment of positioning power consumption aspects between 22.261 and 22.104 | CR | [**22.104**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0073 |  | D | 18.0.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**LPHAP**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910036) | In their previous meeting SA1 had decided to concentrate new power consumption aspects for low power high accuracy positioning in 22.104. This CR inserts some legacy requirements stemming from 22.261 into 22.104. A corresponding CR will removes those from 22.261. | Orig. | Agreed |
| 05 | 7.17.1 | [**S1-211041**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211041.zip) | Huawei, Hisilicon, Sony | Clarification of LPHAP requirements | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0515 |  | C | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**LPHAP**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910036) | The CR adds a sectin for Energy efficiency requirements for positioning | Option 1 is equivalent to Nokia’s proposal: add the pointer and delete the text  Option 2 is to keep the text and add a pointer to 22.104 (Huawei’s approach)  Support for option 1: 4 companies  Support for option 2: 6 companies  No clear direction for one option. This is to be further discussed by e-mail.  Option 1 is a superset of option 2, so the pointer to 22.104 can already be added. | Agreed |
| 01 | 8 | [**S1-211108**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_94e_ElectronicMeeting/Docs/S1-211108.zip) | Xiaomi | Clarification to services provided by 5G satellite access | CR | [**22.261**](http://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0520 |  | F | 18.2.0 | [**Rel-18**](http://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI**](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=60094) |  | Moved from 4  Rev5: more discussions needed | Revised to S1-211500 |
| 02 | 8 | S1-211500 | Xiaomi | Clarification to services provided by 5G satellite access | CR | 22.261 | 0520 | 1 | F | 18.2.0 | Rel-18 | TEI | Revision of S1-211108 | Same as 108r5  Revision of S1-211108. | Noted |
|  | 9 | S1-211327 | Not used | Not used | Other |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 9 | S1-211328 | Not used | Not used | Other |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 9 | S1-211329 | Not used | Not used | Other |  |  |  |  |  |  |  |  |  | Withdrawn |
| 01 | 10.2 | S1-211330 | China Mobile | FS\_MMTELin5G – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 10.2 | S1-211331 | BDBOS | FS\_SACI\_MCS – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 03 | 10.2 | S1-211332 | Hansung University | FS\_RAILSS – Status report | Report |  |  |  |  |  |  |  |  |  | Withdrawn |
| 04 | 10.2 | S1-211333 | OPPO | FS\_AMMT – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 05 | 10.2 | S1-211334 | THALES | FS\_5GET– Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 06 | 10.2 | S1-211335 | LG Electronics | FS\_EASNS – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 07 | 10.2 | S1-211336 | UIC | FS\_OffNetRail – Status report | Report |  |  |  |  |  |  |  |  |  | Withdrawn |
| 08 | 10.2 | S1-211337 | Nokia | FS\_5TRS – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 09 | 10.2 | S1-211338 | China Telecom | FS\_5GSEI – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 10 | 10.2 | S1-211339 | Xiaomi | FS\_Ranging – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 11 | 10.2 | S1-211340 | KPN | FS\_Resident – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 12 | 10.2 | S1-211341 | Vivo | FS\_PIN – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 13 | 10.2 | S1-211342 | Qualcomm | FS\_PALS – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 14 | 10.2 | S1-211343 | Qualcomm | FS\_VMR – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 15 | 10.2 | S1-211344 | UIC | FS\_eFRMCS – Status report | Report |  |  |  |  |  |  |  |  |  | Withdrawn |
| 16 | 10.2 | S1-211345 | China Mobile | FS\_TACMM – Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 17 | 10.2 | S1-211346 | Nokia | 5TRS– Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 18 | 10.2 | S1-211347 | LGE | EASNS– Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 19 | 10.2 | S1-211348 | Xiaomi | Ranging– Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 20 | 10.2 | S1-211349 | China Unicom | DI\_5G– Status report | Report |  |  |  |  |  |  |  |  | Not to be provided, 100% complete already | Withdrawn |
| 21 | 10.2 | S1-211350 | Huawei | LPHAP– Status report | Report |  |  |  |  |  |  |  |  |  | Noted |
| 22 | 10.2 | S1-211351 | China Mobile | MMTELin5G – Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Noted |
| 23 | 10.2 | S1-211352 | OPPO | AMMT– Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Noted |
| 24 | 10.2 | S1-211353 | Qualcomm | PALS – Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Noted |
| 25 | 10.2 | S1-211354 | China Telecom | 5GSEI – Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Noted |
| 26 | 10.2 | S1-211355 | China Mobile | TACMM – Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Withdrawn |
| 27 | 10.2 | S1-211356 | Qualcomm | VRM – Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Withdrawn |
| 28 | 10.2 | S1-211357 | VIVO | NETNET– Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Withdrawn |
| 29 | 10.2 | S1-211358 | Deutsche Telekom | SENSE – Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Noted |
| 30 | 10.2 | S1-211359 | Xiaomi | SCVS – Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Noted |
| 31 | 10.2 | S1-211360 | Xiaomi | 5GHAPS – Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Withdrawn |
| 32 | 10.2 | S1-211361 | CATT | 5GSATB – Status report | Report |  |  |  |  |  |  |  |  | If WID not agreed, cont. will be withdrawn | Revised to S1-211507 |
| 32r | 10.2 | S1-211507 | CATT | 5GSATB – Status report | Report |  |  |  |  |  |  |  | Replaces S1-211361 |  | Agreed. |
| 99 | 12 | S1-211009 | Chair | Reserved | other |  |  |  |  |  |  |  |  |  | Withdrawn |