**3GPP TSG-SA WG1 Meeting #93e**

**Electronic Meeting, 22 Feb – 5 Mar 2021**

# tdoc list SA1#93 version End of Meeting final

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| Order | Ag.Item | Tdoc # | Source | Title | Type | Spec | CR# | r | cat | Version in | Rel | WI | Summary | Discussion | Conclusion |
| 03 | 1.1 | [S1-210002](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210002.zip) | Chair | Agenda for SA1#93e with tdoc allocation | agenda |  |  |  |  |  |  |  |  |  | Agreed |
| 01 | 1.2 | [S1-210000](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210000.zip) | Chair | Draft agenda for SA1#93e | agenda |  |  |  |  |  |  |  |  |  | Agreed |
| 02 | 1.2 | [S1-210001](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210001.zip) | Chair | 2nd Draft agenda for SA1#93e | agenda |  |  |  |  |  |  |  |  |  | Agreed |
| 02 | 1.4 | [S1-210004](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210004.zip) | ETSI | Draft minutes of SA1#92e | report |  |  |  |  |  |  |  |  |  | Revised to S1-210005 |
| 03 | 1.4 | [S1-210005](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210005.zip) | ETSI | Minutes of SA1#92e | report |  |  |  |  |  |  |  |  | Revision of S1-210004. | Agreed |
| 01 | 2 | [S1-210003](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210003.zip) | Chair | SA1-related topics at SA#90e | report |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 2 | [S1-210006](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210006.zip) | ETSI | Workplan presentation for SA1#93e | Work Plan |  |  |  |  |  |  |  |  |  | Noted |
| 03 | 2 | [S1-210008](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210008.zip) | ETSI MCC | Guidelines for SA1#93e | other |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 2 | [S1-210009](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210009.zip) | Chair | Rel-18 chairman's views | other |  |  |  |  |  |  |  |  |  | Noted |
| 05 | 2 | [S1-210010](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210010.zip) | Chair | Rel-18 timeplan | other |  |  |  |  |  |  |  |  | Will be available by Monday 22nd February | Noted |
| 02 | 3 | [S1-210287](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210287.zip) | S1-204282/S2-2007828 | LS on credentials for SNPN service continuity | LS in |  |  |  |  |  |  |  | SA2 asks if requirements exist for 3 different points related to the study on enhanced support of non-public networks (FS\_eNPN). | Postponed from SA1#92e.  Two different answers are proposed in S1-210035 and 0186. | Noted |
| 03 | 3 | [S1-210035](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210035.zip) | Deutsche Telekom AG (SA1) | LS to SA2 on response to LS (S2-2007828) on credentials for SNPN service continuity | LS out |  |  |  |  |  |  |  | Resubmission of draft reply S1-204069 as answering was postponed. Answers have been simplified but are essentially the same. For reasoning of answers please refer to S1-204068.  Proposed answers are no; yes; yes. | Telefonica support this answer, which they see answer only to the questions asked by SA2.  There is more support for this draft, so it will be used as a basis for drafting the answer.  The chair stressed that this was already postponed from the previous meeting so it should be answered now.  About Q1: For Philips and Huawei, there are requirements that should be mentioned. DT answered that this is going in circle.  Futurewei, Siemens, Charter, Philips, Huawei, vivo, Orange think that this is not ready  DT, Telefonica, Qualcomm, TIM, LG, ATT, Intel, China Unicom, IPCom, Ericsson think there is no requirement to mention in Q1 and that the LS is ready  So the LS has to be rewritten to show that there is no consensus on Q1.  Q2 and Q3: no concern.  This is the way forward.  Rev1: For A1, it finally states: "SA1 could not conclude whether such requirements exist."  Agreed, Rev2 for the clean-up. | Revised to S1-210356 |
| 03r | 3 | [S1-210356](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210356.zip) | Deutsche Telekom AG (SA1) | LS to SA2 on response to LS (S2-2007828) on credentials for SNPN service continuity | LS out |  |  |  |  |  |  |  | Replaces S1-210035 |  | Agreed |
| 04 | 3 | [S1-210186](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210186.zip) | Qualcomm Incorporated | Reply LS on Credentials for SNPN service continuity | LS out |  |  |  |  |  |  |  | Proposed answers are no; yes with conditions; yes. | For Deutsch Telekom, the clarifications in point 2 proposed by Qualcomm are not related to the question from SA2.  About Q1, Philips think that the situation is not so clear neither. Futurwei also think that this Q1 is at least partly covered by requirements: they think that SNPN is covered but without service continuity.  Show of hands on Q2:  Support DT: DT, Thales, TIM, ChinaUnicom, VF, Ericsson, AT&T, LG Uplus, NTT DoCOMo, Telefonica  Support Qc: Intel, Philips, Qc, Futurwei  More support for DT's approach, so the DT approach will be the basis | Noted |
| 06 | 3 | [S1-210278](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210278.zip) | C1-207766 | Timer for periodic network selection attempts in satellite access | LS in |  |  |  |  |  |  |  | Question from CT1 to SA1: For a UE in satellite access, considering that NTN (Non-Terrestrial Networks) operate under different radio constraints compared to currently supported accesses, CT1 ask whether changes to the background search timer are needed and if so, what the acceptable range is? | Proposed answer in S1-210291. | Noted |
| 07 | 3 | [S1-210291](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210291.zip) | Oppo | Timer for periodic network selection attempts in satellite access | LS out |  |  |  |  |  |  |  | Proposed answer to C1-207766/S1-210278.  Proposed answer by SA1: With the inclusion of changes for IoT, the range of values for the background search timer is wide enough. Therefore, no further changes are needed. | For Huawei and Ericsson, this is an acceptable answer.  No objection.  This will be used as the basis for the answer.  Qualcomm and Huawei prefer to answer "yes" and not to have "With the inclusion of changes for IoT", since this was not discussed.  This is acceptable by Oppo.  Rev1 to remove "With the inclusion of changes for IoT" and "draft".  Agreed as Rev1. | Revised to S1-210357 |
| 07r | 3 | [S1-210357](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210357.zip) | Oppo | Timer for periodic network selection attempts in satellite access | LS out |  |  |  |  |  |  |  | Replaces S1-210291 |  | Agreed |
| 09 | 3 | [S1-210279](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210279.zip) | C1-210437 | LS on selecting a PLMN not allowed in the country where a UE is physically located | LS in |  |  |  |  |  |  |  | Questions from CT1:  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 Q1 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?  Only Q2 is to SA1, and only if the answer to Q1 from SA3-LI is yes. | Proposed answer in 091 | Postponed |
| 10 | 3 | [S1-210091](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210091.zip) | TNO, Thales | Reply LS on selecting a PLMN not allowed in the country where a UE is physically located | LS out |  |  |  |  |  |  |  | For KPN, the answer to Q1 is clearly no, this is not allowed, so Q2 is not applicable. | Several companies (Huawei, Nokia, Qualcomm,…) pointed out that SA3-LI's answer is needed first and SA1 should no work on assumptions. This is the approach adopted by SA1. | Noted |
| 12 | 3 | [S1-210280](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210280.zip) | C1-210439 | LS on extraterritorial use of MCC for satellite access | LS in |  |  |  |  |  |  |  | CT1 ask 3 questions to SA1:  Q1: Is the PLMN X allowed to use the MCC corresponding to Country A as the MCC of its PLMN ID in the system info broadcast to offer service to UEs located in Country B or Country C, or must the PLMN X use an MCC in the range of 9xx?  Q2: Could SA1 outline if there are any use cases where in such a scenario it is allowed that the PLMN X is using a country specific MCC rather then an MCC in the range of 9xx?”  Q3: Is this ITU-T E212 Annex E applicable for NTN network deployments?  If yes is it recommended as general solution for extra-territorial NTN, or just under certain conditions? | Proposed answers in S1-210090, (0101), 0102, 0187 | Noted |
| 13 | 3 | [S1-210187](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210187.zip) | Qualcomm Incorporated | Reply LS to CT1 (cc SA2, RAN2, SA3) on extra-territorial use of MCC for satellites | LS out |  |  |  |  |  |  |  | Proposed Qualcomm's answers:  A1: yes, it is possible.  A2: international MCCs (9xx) might work for extra-territorial networks, both for terrestrial and satellite PLMNs, but it may not be suitable for MNOs, and/or not optimal in certain deployment scenarios. For example, compared to a country-specific MCC, there could be impacts/issues with existing roaming agreements, legacy USIMs, and constraints for multi-RAT terrestrial & NTN deployments (e.g. preventing to use and manage one common MCC/PLMN-ID).  A3:no | Rev2 presented.  The last sentence of A2 ("In those multi-RAT or sharing scenarios, some MNOs may want to use and manage one common MCC/PLMN-ID, for both terrestrial and satellite NG-RAN.") is a problem for Huawei but all the rest is OK since it is Rel-17 factual material.  This is agreeable.  Rev3 to delete this sentence and remove "draft".  Agreed as rev3. | Revised to S1-210358 |
| 13r | 3 | [S1-210358](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210358.zip) | Qualcomm Incorporated | Reply LS to CT1 (cc SA2, RAN2, SA3) on extra-territorial use of MCC for satellites | LS out |  |  |  |  |  |  |  | Replaces S1-210187 |  | Agreed |
| 14 | 3 | [S1-210090](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210090.zip) | TNO, Thales | Reply LS on extraterritorial use of MCC for satellite access | LS out |  |  |  |  |  |  |  | This is in line with Qualcomm's answers in 0187, with more examples. |  | Noted |
| 15 | 3 | [S1-210101](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210101.zip) | Huawei, HiSilicon | Discussion related to incoming LS on extraterritorial use of MCC for satellite access | discussion |  |  |  |  |  |  |  | Provides background to the proposed draft reply LS to C1-210439 on extraterritorial use of MCC for satellite access and context to ITU-R E.212. | Discussion paper to support 0102. | Noted |
| 16 | 3 | [S1-210102](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210102.zip) | Huawei, HiSilicon | Reply LS on extraterritorial use of MCC for satellite access | LS out |  |  |  |  |  | Rel-17 | 5GSAT\_ARCH-CT | Proposed answers:  A1: ITU-T recommends not to allocate MCC for networks spanning more than one country although the allocation responsibility is with the Director of TSB.  A2: SA1 has no specific use cases or requirements related to such a scenario.  A3: No | It is reminded that if E.212 has to be changed, CT1 should talk to ITU, not to SA1.  The SA1's answer should be along these lines.  Huawei to "take the pen" to draft the answer in | Noted |
| 17 | 3 | [S1-210292](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210292.zip) | Huawei, HiSilicon | Reply LS on extraterritorial use of MCC for satellite access | LS out |  |  |  |  |  |  |  | Proposed reply to S1-210102 | Ask CT1 to contact ITU as discussed during the conf call. | Noted |
| 19 | 3 | [S1-210285](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210285.zip) | S6-202227 | LS on Clarification on problematic UAV | LS in |  |  |  |  |  |  |  | SA6 asks 2 questions related to UAV 22.125:  Q1: From a general perspective, any UAV/UAV controller deviating from its expected operations is a problematic UAV. What is the definition of a “problematic UAV/UAV Controller” in a 3GPP context?  Q2: Are there specific use cases or examples of data needed to be exchanged between the UTM and the 3GPP system for this requirement? | Proposed answer in 0184. | Noted |
| 20 | 3 | [S1-210184](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210184.zip) | Qualcomm Incorporated | Reply LS to SA6 (cc SA WG2, ACJA) on Clarification on problematic UAV | LS out |  |  |  |  |  |  |  | Proposed answers:  A1: In SA1, the concept of a “problematic UAV” has been intended to cover a UAV which is a UAV flying without successful authorization from UTM.  A2: Per SA1 understanding, the 3GPP system may be able to monitor and expose UAV related information towards the UTM, which may help the UTM identify problematic UAV. Please see clause 6.2 of TS 22.125. | Interdigital prefers this new version of the answer.  For Deutsche Telekom and Samsung, whether the application layer is included in the "3GPP system" is ambiguous. This is why they propose the CR in 0270, in line with 0184.  To be used as basis.  Rev3 presented (rev4 was a wrongly used number for a company's proposal).  There are 2 propositions for A1 to be decided by SA1. Qualcomm proposes Option A.  "abnormality" is still to be defined, in DT's view.  Samsung prefers option A.  For Huawei and Nokia, the DT's CR approach is better.  Rev5:  A1: it now states "go and check the CR" (in S1-210270)  A2: reference to clause 6.2 of TS 22.125.  Rev6 to attach the CR and clean-up.  Agreed as rev6 | Revised to S1-210359 |
| 20r | 3 | [S1-210359](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210359.zip) | Qualcomm Incorporated | Reply LS to SA6 (cc SA WG2, ACJA) on Clarification on problematic UAV | LS out |  |  |  |  |  |  |  | Replaces S1-210184 |  | Agreed |
| 21 | 3 | [S1-210270](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210270.zip) | Deutsche Telekom AG | Clarification of problematic UAV | CR | 22.125 | 0034 |  | F | 17.2.0 | Rel-17 | ID\_UAS | SA1 received from LS from SA6 with questions on problematic UAV. The usage of ‘problematic UAV’ is unclear. ‘Problematic UAV’ is changed to ‘UAV flying without initial authorization’. | "UAV" changed to "UAS" in the revised version.  Several companies support.  Futurewei propose the concept of "additional authorisation" (as a separate aspect compared to the "initial" one). For DT, this can indeed be addressed, but as a matter of another CR.  For Huawei, this can and should be covered by removing the word "initial", or replace it by "ongoing".  DT prefers to keep the "initial" at this stage since the cases of subsequent authorisation need further studies, for them.  To be used as basis.  Rev2 presented.  Deutsche Telekom, China Unicom  For Qualcomm, [R-5.1-017] is not acceptable since it implies that "UAS operating without initial authorization" are possible.  Support: Futurwei, Huawei, DT, Telefonica, ChinaUnicom, Ericsson, ZTE, TMobile US, Orange  Against the CR: Qualcomm, Samsung  With 9 companies against 2, the chair leaves it opened for a couple of more days for e-mail.  Rev4: presented and agreed.  Source is now: Deutsche Telekom, China Unicom, Futurewei, ZTE  Based on Qualcomm's initial proposal.  Agreed as rev4. | Revised to S1-210360 |
| 21r | 3 | [S1-210360](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210360.zip) | Deutsche Telekom AG | Clarification of problematic UAV | CR | 22.125 | 0034 | 1 | F | 17.2.0 | Rel-17 | ID\_UAS | Replaces S1-210270 |  | Agreed |
| 22 | 3 | [S1-210262](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210262.zip) | InterDigital | Progress of LS-reply to SA6 on FS\_UASAPP | discussion |  |  |  |  |  |  |  | Supporting paper for 0263. |  | Noted |
| 23 | 3 | [S1-210263](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210263.zip) | InterDigital | Reply LS on clarification on provisioning of UAV location information | LS out |  |  |  |  |  |  |  | Proposed answer:  Related with the LS and the ongoing discussions on KI#12 in TR 23.755, SA1 would like to confirm that the requirements [R-5.1-012] and [R-5.1-013] of 3GPP TS 22.125 [3] are relevant for the UTM to track the UAV/UAV-C location. Further, the USS/UTM needs to obtain UAV's current location information periodically and process it to confirm the UAV's location deviation. | For DT, this is out of scope since it is not what is asked in the incoming LS. Also for Nokia.  No other company supports. | Noted |
| 25 | 3 | [S1-210283](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210283.zip) | R2-2102489 | Clarification request for eNPN features | LS in |  |  |  |  |  |  |  | RAN2 ask a set of questions related to SNPNs with subscription or credentials by a separate entity. | For Qualcomm, it is better to leave SA2 to answer. SA1 is in copy anyway.  For DT, at least Q4 ("Is the support of eCall over IMS assumed to be enabled in SNPN cells?") is relevant to SA1. DT can volunteer to answer.  There is no other support for answer to Q4. | Postponed |
| 26 | 3 | [S1-210293](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210293.zip) | Deutsche Telekom | [DRAFT] Reply LS to RAN2, SA2 (cc RAN3, CT1, SA1) on clarification request for eNPN features | LS out |  |  |  |  |  |  |  | Proposed reply to S1-210283/ R2-2102489 | DT explained that Q5 can be skipped since covered elsewhere. So only Q4 can be kept.  Support sending a LS only with Q4: DoCoMo, Huawei, DT, Telefonica, Futurwei, Siemens  No: Qualcomm, KPN, Ericsson, Nokia  No consensus to send the LS, even if keeping only the answer to Q4.  Qualcomm, KPN and vivo explain that SA1 is in copy, and more time is needed to provide an SA1 answer.  Kept open – not really discussed until the final day (was a late doc). | Noted |
| 28 | 3 | [S1-210286](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210286.zip) | SP-201143 | LS on Use of Inclusive Language in 3GPP | LS in |  |  |  |  |  |  |  |  | Correspondent CRs can be found in section 5. | Noted |
| 29 | 3 | [S1-210289](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210289.zip) | S1-204286/SP-200877 | Reply LS on request for information from IALA | LS in |  |  |  |  |  |  |  |  | Postponed from SA1#92e | Noted |
| 30 | 3 | [S1-210282](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210282.zip) | R2-2102088 | Reply LS on Sufficiency of Survival Time | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 31 | 3 | [S1-210281](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210281.zip) | R2-2010838 | Reply LS on Use of Survival Time for Deterministic Applications in 5GS | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 32 | 3 | [S1-210284](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210284.zip) | R3-207211 | Reply LS on Use of Survival Time for Deterministic Applications in 5GS | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 99 | 3 | [S1-210288](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210288.zip) | S1-204325/S6-202227 | LS on Clarification on problematic UAV | LS in |  |  |  |  |  |  |  | Duplicated S1-210285 |  | Withdrawn |
| 02 | 4 | [S1-210086](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210086.zip) | China Mobile Com. Corporation | Revised SID on Study on supporting tactile and multi-modality communication services | SID revised |  |  |  |  |  | Rel-18 | FS\_TACMM | Change of Rapporteur. |  | Agreed |
| 03 | 4 | [S1-210092](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210092.zip) | TNO, Thales | Revised WID on Guidelines for Extra-territorial 5G Systems (FS\_5GET) | WID revised |  |  |  |  |  | Rel-18 | FS\_5GET | Change of rapporteur | 0092r1 agreed | Revised to S1-210392 |
| 03r | 4 | [S1-210392](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210392.zip) | TNO, Thales | Revised WID on Guidelines for Extra-territorial 5G Systems (FS\_5GET) | WID revised |  |  |  |  |  | Rel-18 | FS\_5GET | Replaces S1-210092 |  | Agreed |
| 05 | 4 | [S1-210248](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210248.zip) | vivo Mobile Com. (Chongqing), KPN, Convida Wireless, Huawei, Huawei Devices, Intel, InterDigital, LG Electronics | New WID on Service requirements for Network of Networks (NETNET) | WID new |  |  |  |  |  |  |  | Single WID that will capture FS\_PIN and FS\_RESIDENT work. | Qualcomm has no opinion yet and prefer to wait.  Siemens wonder if having a specific TS for this is the best approach.  Shared views on TS or not.  About the idea of merging the studies:  Qualcomm: more time  Nokia: OK with the idea of merging but at least issue with terminology  No opposition to the merging at this stage. | Noted |
| 06 | 4 | [S1-210049](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210049.zip) | Nokia, Nokia Shanghai Bell, AT&T, Deutsche Telekom, KDDi, KPN, LG Electronics, Inc, NextNav, NTT DoCoMo, Thales, Verizon UK Ltd | New WID on 5G Timing Resiliency System (5TRS) | WID new |  |  |  |  |  |  |  | The objective is to introduce additional 5GS requirements and KPIs for a timing resiliency service that will allow  - use of the 5GS in concert with other timing technologies as a resilient timing source for end-users in complement/back-up/alternate to GNSS, and  - use of the 5G time synchronization resiliency capability if GNSS or other timing services are compromised. | Rev2 presented.  Last line of the table in 2.3 to be removed.  Agreed as rev3. | Revised to S1-210361 |
| 06r | 4 | [S1-210361](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210361.zip) | Nokia, Nokia Shanghai Bell, AT&T, Deutsche Telekom, KDDi, KPN, LG Electronics, Inc, NextNav, NTT DoCoMo, Thales, Verizon UK Ltd | New WID on 5G Timing Resiliency System (5TRS) | WID new |  |  |  |  |  |  |  | Replaces S1-210049 |  | Agreed |
| 07 | 4 | [S1-210052](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210052.zip) | LG Electronics Inc., Vivo, Tencent, LG Uplus, Futurewei, Nokia, Nokia Shanghai Bell, ETRI, OPPO, KT, Apple, AT&T, InterDigital, KDDI, KPN, Samsung | new WID on Enhanced Access to and Support of Network Slice (EASNS) | WID new |  |  |  |  |  |  |  | Network slicing has been the essential part from the beginning of standardization for 5G system. It allows flexible and extendable deployment and operation of network resources, meeting various needs.  Resulting from the FS\_EASNS study. | Rev2 presented:  Source: LG Electronics Inc., Vivo, Tencent, LG Uplus, Futurewei, Nokia, Nokia Shanghai Bell, ETRI, OPPO, KT, Apple, AT&T, InterDigital, KDDI, KPN, Samsung, KRRI, T-Mobile USA  Rev6: more companies as source  Section 8 to be removed in rev7.  Agreed as rev7. | Revised to S1-210362 |
| 07r | 4 | [S1-210362](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210362.zip) | LG Electronics Inc., Vivo, Tencent, LG Uplus, Futurewei, Nokia, Nokia Shanghai Bell, ETRI, OPPO, KT, Apple, AT&T, InterDigital, KDDI, KPN, Samsung | new WID on Enhanced Access to and Support of Network Slice (EASNS) | WID new |  |  |  |  |  |  |  | Replaces S1-210052 |  | Agreed |
| 08 | 4 | [S1-210019](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210019.zip) | Beijing Xiaomi Mobile Software | Ranging-based service Requirements (Ranging) | WID new |  |  |  |  |  |  |  | The objective of this work item is to specify the requirements for Ranging based services in TS22.261 | "Requirements" should be avoided in the title, so that other WGs can use the same Feature name.  No reference to SA1 meeting should be made.  Rev2: "requirements" still to be deleted in rev3 | Revised to S1-210363 |
| 08r | 4 | [S1-210363](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210363.zip) | Beijing Xiaomi Mobile Software | Ranging-based service Requirements (Ranging) | WID new |  |  |  |  |  |  |  | Replaces S1-210019 |  | Agreed |
| 09 | 4 | [S1-210020](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210020.zip) | Beijing Xiaomi Mobile Software | Ranging based service requirements | CR | 22.261 | 0495 |  | B | 18.1.1 | Rel-18 | FS\_Ranging |  | Missing CR number, missing WI code. There are no track changes on the text.  This needs further talks in between meetings. | Noted |
| 10 | 4 | [S1-210162](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210162.zip) | China Telecomunication Corp. | WID on Smart Energy and Infrastructure | WID new |  |  |  |  |  |  |  | This work item will further improve these normative standards and the requirements identified for 5G communication infrastructure support of smart energy. | Rev4 presented.  Source is now China Telecom, ZTE, CEPRI-China, China Southern Power Grid, Huawei, CATT, Fudan, Spreadtrum, Samsung  remove "New WID on" from title.  For Qualcomm, there are no consolidated requirements ready, so this should be postponed to the next SA1 meeting.  Noted as rev5. New tdoc needed. | Revised to S1-210364 |
| 10r | 4 | [S1-210364](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210364.zip) | China Telecomunication Corp. | WID on Smart Energy and Infrastructure | WID new |  |  |  |  |  |  |  | Replaces S1-210162 |  | Noted |
| 13 | 4 | [S1-210033](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210033.zip) | Xiaomi | New WID on 5G system with satellite access by considering Network Function on Satellite and Inter Satellite Link (NFSISL) | WID new |  |  |  |  |  |  |  | This is a revision of S1-204134. | See related CR in 0034.  The author proposed to resubmit it at next meeting. | Noted |
| 14 | 4 | [S1-210034](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210034.zip) | Xiaomi | Update to KPIs for a 5G system with satellite access in the case gNB and CN compoponet are on the satellite and in the case Inter Satellite Links are used | CR | 22.261 | 0483 | 1 | F | 18.1.1 | Rel-18 | DUMMY | WID: NFSISL  This is a revision of S1-204135 | Cover page wrong date and no track changes.  Wrong format for the "Note".  For Qualcomm and Samsung, this could be added as new column but the existing ones should not be changed.  For TNO, Thaled and Nokia, this introduces several Notes, which are actually more than "notes". Clearer changes should be introduced.  Open  See 0093 on same section  The author proposed to resubmit it at next meeting. | Noted |
| 15 | 4 | [S1-210093](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210093.zip) | Thales | Clarification to KPIs for a 5G system with satellite access | CR | 22.261 | 0504 |  | C | 18.1.1 | Rel-18 | TEI18 | This CR clarifies the radio link to which the propagation delay values apply. | For Qualcomm, the title of the table should be updated: as it is, it applies only to the left part of the column  The definitions have to be clarified too.  Rev3 later presented:  Source is Thales, TNO  No more WID might be needed, this can be done under "TEI18".  For LG and Qualcomm, the propagation delay is not something controllable in some cases.  Thales answer that, although this is definitely true in some cases, some indication should be given. "requirement" might be a misleading word.  For Xiaomi, this should be already done starting from Rel-17.  For KPN, this can be done in Rel-18: this is not an essential correction.  To be continued by e-mail.  Ageed as rev6. | Revised to S1-210393 |
| 15r | 4 | [S1-210393](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210393.zip) | Thales | Clarification to KPIs for a 5G system with satellite access | CR | 22.261 | 0504 | 1 | C | 18.1.1 | Rel-18 | TEI18 | Replaces S1-210093 |  | Agreed |
| 17 | 4 | [S1-210040](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210040.zip) | Deutsche Telekom, China Telecom, KDDI, KPN, Telecom Italia, IDEMIA, LG ELectronics, vivo Mobile | WID Signal level Enhanced Network Selection | WID new |  |  |  |  |  |  |  | Proposal for a new WID to enhance the network selection procedures to solve an issue with stationary devices | Related to the CR in 0041.  To be progressed in between meetings. | Noted |
| 18 | 4 | [S1-210038](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210038.zip) | Deutsche Telekom AG | Signal level Enhanced Network Selection - Motivation and Proposal | other |  |  |  |  |  |  |  | This presentation highlights existing problems in today's IoT deployments with stationary devices. It explains the reasons and proposes a solution. | Introduction paper for 0040 and 0041 | Noted |
| 19 | 4 | [S1-210041](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210041.zip) | Deutsche Telekom, China Telecom, KDDI, KPN, Telecom Italia, IDEMIA, LG Electronics, vivo Mobile | CR Signal level Enhanced Network Selection | CR | 22.011 | 0322 |  | B | 17.3.0 | Rel-18 | DUMMY | CR to enhance network selection procedures to solve an issue with stationary devices. | EEHPP  For Huawei, Qualcomm and Apple, this is not the best way to solve this problem. It is an implementation problem. Deutsche Telekom explain that this is for a specific type of UE, and they do not see any better, workable, alternative solution. This problem has been there for operators for quite some time. DT mention that e.g. the "unsteered USIM" solution does not work.  The issue is serious but side effects of this specific solution should be evaluated, for Novamint.  All companies understand that this is a serious issue, the problem is how to solve it while minimizing the impact on all UEs.  Also, Ericsson wonder about the general applicability of this solution.  TIM clarified that this is up to the Home operator to decide whether to use this solution or not. TIM insists that this is a serious issue and think that DT's solution will work.  To be progressed in between meetings. | Noted |
| 21 | 4 | [S1-210068](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210068.zip) | Huawei | New WID on Energy Efficient High Precision Positioning for industrial IoT scenarios (EEHPP) | WID new |  |  |  |  |  |  |  | The objective of this work item is to specify requirements on low power highly accurate positioning service for industrial IoT scenarios  See related CR in 0069. | Rev4: Now Low Power Highly Accurate Positioning for industrial IoT scenarios (LPHAP)  Huawei clarified this WID is important also for the verticals.  This is agreeable by Qualcomm.  Rev5 (to remove "?"): agreed  LG pointed out a problem with alignment of terminology in the title.  Agreed as rev5 | Revised to S1-210365 |
| 21r | 4 | [S1-210365](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210365.zip) | Huawei | New WID on Energy Efficient High Precision Positioning for industrial IoT scenarios (EEHPP) | WID new |  |  |  |  |  |  |  | Replaces S1-210068 |  | Agreed |
| 22 | 4 | [S1-210296](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210296.zip) | Huawei | Way forward of the WI EEHPP | Discussion |  |  |  |  |  |  |  | This provides a summary of the discussion on 68, 69, 77, 175 and 169 |  | Noted |
| 23 | 4 | [S1-210069](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210069.zip) | Huawei, Nokia, Nokia Shanghai Bell, Sony | CR22.104\_Adding energy efficiency requirements for positioning | CR | 22.104 | 0062 |  | B | 17.4.0 | Rel-18 | DUMMY | EEHPP: A new section is proposed to provide requirements for Energy efficiency for positioning | It was not clear if 0069 is competing with 0169 or if they are complementary.  It seems that they can be combined.  For Ericsson and Qualcomm, the values need more discussions for more than this meeting.  To be further progessed in between meetings. | Noted |
| 24 | 4 | [S1-210077](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210077.zip) | Huawei, Nokia, Nokia Shanghai Bell, Sony | CR22.261 Clarification of energy efficiency requirements for positioning | CR | 22.261 | 0497 |  | D | 18.1.1 | Rel-18 | DUMMY | EEHPP: Move energy efficiency requirements for positioning in TS 22.261 Clause 7.3.2.3 to the the related clauses in TS 22.104. | A pointer to the requirements in 22.104 is introduced in 22.261.  For Sony, there is no need for this CR in 22.261. | Noted |
| 24 | 4 | [S1-210175](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210175.zip) | Fraunhofer IIS | Requirements for low power highly accurate positioning | discussion | 22.104 |  |  |  |  | Rel-18 | DUMMY | This document discusses changes to TS 22.104 and TS 22.261 to support low power highly accurate positioning in the factories of the future and for further use cases for positioning. | See related CR in 0169. | Noted |
| 26 | 4 | [S1-210169](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210169.zip) | Fraunhofer IIS | Adding energy efficiency use cases for positioning to the ANNEX A | CR | 22.104 | 0064 |  | B | 17.4.0 | Rel-18 | DUMMY | The need for low power highly accurate positioning is imminent in vertical domains. Therefore, example use cases with requirements for low power highly accurate positioning should be added to the Annex of 22.104. | Missing CR number  Rev1 presented  Novamint supports this CR  Acronym to be changed to LPHAP in rev5.  Rev5: no changes over changes on the cover page, wording aligned with TS22.104 using the term “high accuracy positioning” instead of “highly accurate positioning”  Agreed as rev5. | Revised to S1-210366 |
| 26r | 4 | [S1-210366](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210366.zip) | Fraunhofer IIS | Adding energy efficiency use cases for positioning to the ANNEX A | CR | 22.104 | 0064 | 1 | B | 17.4.0 | Rel-18 | DUMMY | Replaces S1-210169 |  | Agreed |
| 28 | 4 | [S1-210208](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210208.zip) | Reliance Jio | SIPTO Support for 5G Systems (SIPTOin5GS) | WID new |  |  |  |  |  |  |  | SIPTO, the Selected IP Traffic Offload, enables an Operator to Offload certain selected types of IP traffic (e.g. internet traffic) towards a defined IP network close to the UE's point of attachment to the access network. This functionality will enhance the 5G System to offload the user plane traffic within the RAN or over the RAN towards the local data centres via the Local Gateway, without going through the 5GC (or even CU in some cases). |  | Noted |
| 30 | 4 | [S1-210037](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210037.zip) | China Unicom | New WID on Data Integrity in 5G (DI\_5G) | WID new |  |  |  |  |  |  |  | According to the last meeting content update: background, wording update, etc | 0037r2 agreed | Revised to S1-210367 |
| 30r | 4 | [S1-210367](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210367.zip) | China Unicom | New WID on Data Integrity in 5G (DI\_5G) | WID new |  |  |  |  |  |  |  | Replaces S1-210037 |  | Agreed |
| 31 | 4 | [S1-210036](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210036.zip) | China Unicom | Update of Disscussion paper of Addition of requirements on Data Integrity in 5GS | discussion |  |  |  |  |  |  |  | According to the content of the last meeting, the background,use cases description, detailed relation between CR and use cases are updated. |  | Noted |
| 32 | 4 | [S1-210039](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210039.zip) | China Unicom | update of CR of Addition of requirements on Data integrity in 5G | CR | 22.261 | 0496 |  | B | 18.1.1 | Rel-18 | DUMMY | WID: DI\_5G  It adds the requirement: "the 5G system shall provide a mechanism to support data integrity verification service to assure the integrity of the data exchanged between the 5GS and an application server offered by a third-party service provider."  It clarifies the "third party SP", clarifies the "data exchange", clarifies the "3GPP system", and modifies the wording of cover page. | Cover page no track changes.  As commented by e-mail, Qualcomm finds the note unclear. This was edited online to finally read: "Note: this requirement refers to mechanism over the interface between 5G Core and the application server, with no RAN and UE impact.". The note can be combined with the main text. To be checked off-line and to check "system" versus "core network".  Rev4 agreed | Revised to S1-210394 |
| 32r | 4 | [S1-210394](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210394.zip) | China Unicom | update of CR of Addition of requirements on Data integrity in 5G | CR | 22.261 | 0496 | 1 | B | 18.1.1 | Rel-18 | DUMMY | Replaces S1-210039 |  | Agreed |
| 34 | 4 | [S1-210150](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210150.zip) | CATT,China Telecom | New WID on 5G system with satellite backhaul (5GSATB) | WID new |  |  |  |  |  |  |  |  | 0150r1  (o: Qualcomm, Nokia) | Noted |
| 35 | 4 | [S1-210149](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210149.zip) | CATT | Discussion on satellite backhaul | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 36 | 4 | [S1-210151](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210151.zip) | CATT,China Telecom | Requirements for satellite backhaul | CR | 22.261 | 0501 |  | B | 18.1.1 | Rel-18 | DUMMY | WID: 5GSATB  A set of requirements are added in the field of resource efficiency, efficient user plane, priority QoS and policy control, and charging when 5G system uses satellite as backhaul. | Missing Current Version on cover page  Rev2 presented.  For Qualcomm and Nokia, there is some ongoing work in SA2 in Rel-17 which is in this field. They propose SA1 to be aligned with SA2's actual work once Rel-17 is closed (June 2021 for Stage 2 Rel-17).  KPN and Nokia have concerns with the last requirement on charging, which has to be, as a minimum, clarified.  Except for this last requirement, KPN support this CR.  For CATT, the discussions in SA2 are not overlapping with this CR.  For Qualcomm and Nokia, at least a note is to be added to wait for SA2's results.  For Thales, at least the backhaul requirement is needed.  More off-line discussions are needed.  Rev4:  The author propose to remove the SA2-related requirements. This is not clear at presentation.  Rev6: still no agreement | Noted |
| 38 | 4 | [S1-210205](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210205.zip) | China Unicom | 5G system with High Altitude Platform Station (HAPS) | WID new |  |  |  |  |  |  |  | Linked to the WID in 0207. | 0205r2  (o: Ericsson, Sony, LGE) | Noted |
| 39 | 4 | [S1-210256](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210256.zip) | China Unicom | Discussion on 5G system with HAPS | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 40 | 4 | [S1-210207](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210207.zip) | China Unicom, China Telecom, CITC | KPI for 5G system with HAPS | CR | 22.261 | 0503 |  | B | 18.1.1 | Rel-18 | DUMMY | WID: HAPS  The document is to identify KPI to support 5G enhanced with HAPS. | Missing CR number, wrong revision  Rev2 presented:  For Sony, this is to be closely discussed with RAN1, not to be introduced just ike that by SA1.  Qualcomm and Ericsson have similar concerns and about introducing new values specifically for HAPS access.  Nokia also has concerns. This seems to be just copied from RAN1 and made as "SA1 requirements". If any value is to be added in SA1 documentation, this has to be done once the work is completed in RAN1.  KPN wonder if HAPS is to be considered as "standard" access or as "extra-territorial" access. This point has to be solved.  More off-line discussions.  Rev4:  Now states: "HAPs (High Attitude Platforms): an airborne vehicle operating in altitudes typically between 20 and 50 km including High Altitude Platforms "  For Ericsson, RAN is already working on HAPS for Rel-17. They propose to wait for the completion of the RAN work in Rel-17 and align Stage 1 afterwards, then check what still will have to be done for Rel-18.  For Sony, it is better to contribute to RAN at this time, then the Stage 1 alignment can be done later. This confusion Rel-17/Rel18 SA1/RAN is just going to confuse the situation.  For KPN, the KPIs can be aligned later. But this is not the only part that needs alignment: less focus on the alignment of KPIs with RAN and more focus on other HAPS specific requirements we may have (for CT1, SA2, SA3-LI, etc)  For Nokia, it is also better to wait for clarification/stabilisation on the RAN side.  This is to be further progressed in between meetings. | Noted |
| 02 | 5 | [S1-210007](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210007.zip) | ETSI MCC | SA1 actions on removing non-inclusive language in all 3GPP Rel-17 TS and TR | response |  |  |  |  |  |  |  |  | Related to LS (S1-210286).  Rev4 presented: all specs reviewed. All Rel-17 CRs provided except for TR 22.826 (B-Com) and TR 22.827 (Sennheiser).  MCC will provide the CRs instead of the rapporteurs. | Noted |
| 03 | 5 | [S1-210110](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210110.zip) | China Mobile Com. Corporation | 22262 Non-inclusive language replacement | CR | 22.262 | 0001 |  | D | 16.0.0 | Rel-17 | MSGin5G |  | Rel-16 | Noted |
| 04 | 5 | [S1-210042](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210042.zip) | Deutsche Telekom AG | Non-inclusive language replacement for GUP | CR | 22.240 | 0010 |  | D | 16.0.0 | Rel-17 | TEI17 | several instances of "master" are replaced by "primary" | Not in the "master/slave" context | Withdrawn |
| 05 | 5 | [S1-210080](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210080.zip) | China Mobile Com. Corporation | Remove non-inclusive language | CR | 22.942 | 0002 |  | D | 16.0.0 | Rel-17 | TEI17 |  | D  Wrong revision | Noted |
| 06 | 5 | [S1-210088](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210088.zip) | Siemens, BBC, EBU | Non-inclusive language replacement 22.104 | CR | 22.104 | 0063 |  | D | 17.4.0 | Rel-17 | TEI17 | Replacement of all terms that can be seen as non-inclusive by more appropriate terminology. | CR | Agreed |
| 08 | 5 | [S1-210089](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210089.zip) | Siemens | Non-inclusive language replacement 22.832 | CR | 22.832 | 0031 |  | D | 17.3.0 | Rel-17 | TEI17 | Replacement of all terms that can be seen as non-inclusive by more appropriate terminology. |  | Agreed |
| 08 | 5 | [S1-210094](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210094.zip) | Apple | Non-inclusive language replacement | CR | 22.259 | 0017 |  | D | 16.0.0 | Rel-17 | TEI17 |  | CR | Revised to S1-210098 |
| 10 | 5 | [S1-210098](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210098.zip) | Apple | Non-inclusive language replacement | CR | 22.259 | 0017 | 1 | D | 16.0.0 | Rel-17 | TEI17 | Replaces S1-210094 |  | Noted |
| 10 | 5 | [S1-210099](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210099.zip) | Huawei, HiSilicon | Correction of reference to “Master Operator” and use of “Hosting E-UTRAN Operator” | CR | 22.101 | 0571 |  | D | 17.2.0 | Rel-17 | TEI17 | As part of investigating SA1 specifications for all terms that can be seen as "non-inclusive" it was identified that the reference to Master Operator used in the definition of “Hosting E-UTRAN Operator” was incorrect. It was also identified that the use of the term “Hosting E-UTRAN/NG-RAN Operator” has been extended to include NG-RAN. | A  Wrong category, must be D  Rev1 agreed | Revised to S1-210395 |
| 10r | 5 | S1-210395 | Huawei, HiSilicon | Correction of reference to “Master Operator” and use of “Hosting E-UTRAN Operator” | CR | 22.101 | 0571 | 1 | D | 17.2.0 | Rel-17 | TEI17 | Replaces S1-210099 |  | Agreed |
| 11 | 5 | [S1-210100](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210100.zip) | Huawei, HiSilicon | Correction of reference to “Master Operator” and use of “Hosting E-UTRAN Operator” | CR | 22.101 | 0572 |  | A | 18.0.0 | Rel-18 | TEI17 | As part of investigating SA1 specifications for all terms that can be seen as "non-inclusive" it was identified that the reference to Master Operator used in the definition of “Hosting E-UTRAN Operator” was incorrect. It was also identified that the use of the term “Hosting E-UTRAN/NG-RAN Operator” has been extended to include NG-RAN. |  | Agreed |
| 13 | 5 | [S1-210218](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210218.zip) | Union Inter. Chemins de Fer | Align TR with SA1 drafting rules on Inclusive Language | CR | 22.889 | 0170 |  | D | 17.3.0 | Rel-17 | TEI17 |  | Rev1 agreed | Revised to S1-210396 |
| 13 | 5 | [S1-210226](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210226.zip) | Union Inter. Chemins de Fer | Align TR with SA1 drafting rules on Inclusive Language | CR | 22.989 | 0001 |  | D | 18.0.0 | Rel-18 | FS\_eFRMCS |  | CRxxxxR- Cat D  Missing CR number, wrong code  Rev1 agreed | Revised to S1-210397 |
| 13r | 5 | [S1-210396](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210396.zip) | Union Inter. Chemins de Fer | Align TR with SA1 drafting rules on Inclusive Language | CR | 22.889 | 0170 | 1 | D | 17.3.0 | Rel-17 | TEI17 | Replaces S1-210218 |  | Agreed |
| 13r | 5 | [S1-210397](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210397.zip) | Union Inter. Chemins de Fer | Align TR with SA1 drafting rules on Inclusive Language | CR | 22.989 | 0001 | 1 | D | 18.0.0 | Rel-18 | FS\_eFRMCS | Replaces S1-210226 |  | Agreed |
| 14 | 5 | [S1-210290](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210290.zip) | KPN | Non-inclusive language replacement | CR | 22.173 | 0132 |  | D | 17.2.0 | Rel-17 | TEI17 |  | Late Contribution | Agreed |
| 16r | 5 | [S1-210297](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210297.zip) | ETSI MCC | Non-inclusive language replacement | CR | 22.826 | 0006 |  | D | 17.1.0 | Rel-17 | TEI17 |  |  | Agreed |
| 16 | 5 | [S1-210298](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210298.zip) | ETSI MCC | Non-inclusive language replacement | CR | 22.827 | 0002 |  | D | 17.1.0 | Rel-17 | TEI17 |  | D | Agreed |
| 17 | 5 | [S1-210318](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210318.zip) | SK Telecom | Non-inclusive language replacement | CR | 22.183 | 0003 |  | D | 16.0.0 | Rel-17 | TEI17 |  | Rel-17 and earlier contributions | Noted |
| 01 | 6.1 | [S1-210206](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210206.zip) | BDBOS, FirstNet, UIC | Gateway MCX UE identification | CR | 22.280 | 0144 |  | B | 17.4.0 | Rel-17 | TEI17 | This CR support for unique identification and multiple gateway MCX UE, when operating in the same area. | Can we not find a better WI code?  Rev1 presented: Comments made on the thread have been incorporated and not more issues. Only Date format wrong.  In [R-5.15-004], examples of what "area" means would be beneficial.  This might come late for Rel-17, according to DT. For FirstNet, this would still fit in SA6's timing. To be solved by e-mail.  Rev2 agreed. | Revised to S1-210398 |
| 01r | 6.1 | [S1-210398](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210398.zip) | BDBOS, FirstNet, UIC | Gateway MCX UE identification | CR | 22.280 | 0144 | 1 | B | 17.4.0 | Rel-17 | TEI17 | Replaces S1-210206 |  | Agreed |
| 02 | 6.1 | [S1-210188](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210188.zip) | Qualcomm Incorporated | New WI on PWS for NPN (NPN\_PWS) | WID new |  |  |  |  |  |  |  | As already presented at previous meeting. | This is to support the CR in 0189. If the CR can be agreed without the WID, then Qualcomm would be OK too. Having the LS (in 0191) and the CR would be acceptable.  KPN explained that there is some regulation in the Netherlands in this area, hence the need for a late WID.  For DT, the type of CR ("introduction of a new feature") might be a concern, e.g. for the workload in SA2. This can be done for Rel-18. They see it as too late for Rel-17, since Stage 1 is closed for this Release.  For Huawei, the LS can be sent anyway and SA2 can give their opinion.  Huawei and DT clarify that they are not blocking but just concerned about the procedures.  About "too late for Rel-17": Samsung clarified that everything is possible if there is a consensus.  Qualcomm clarified that, in addition to SA2, RAN2 and CT1 are also involved since they are working on PWS for NPN, so there is an emergency to cover the complete issue.  Samsung clarified that Stage 2 for PWS was transferred from SA2 to CT1, so SA2 is not the main contact – although they might still be involved.  One2many writes that "LS and CR are important, WID not so, but if WID is desired, let's do that for Rel-18. LS is important to let the downstream groups know what is coming"  This could be forwarded to TSG. | Noted |
| 03 | 6.1 | [S1-210189](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210189.zip) | Qualcomm Incorporated | Requirements for PWS over NPN | CR | 22.261 | 0502 |  | B | 17.5.0 | Rel-17 | DUMMY | The CR adds the requirement for supporting PWS in non-public networks | Wrong WI code  Rev1 presented: source: Qualcomm, One2Many  No disagreement on the requirement as stated in rev1.  For Nokia, the Note is more confusing than helping. | Noted |
| 04 | 6.1 | [S1-210191](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210191.zip) | Qualcomm [SA1] | LS to SA2, CT1, RAN2, RAN3, SA, CT, RAN (cc SA3) on [DRAFT] LS on support of PWS over SNPN | LS out |  |  |  |  |  |  |  | To inform all these groups about the new requirement. | Qualcomm reminded that the incoming LS was sent long time ago.  KPN mentioned that not authorising it for Rel-17 might trigger more difficulties when trying to do it for Rel-18.  Rev1 presented  For Siemens, the context has to be clearer, e.g. "PWS support of SNPN" does not apply to factory. For Qualcomm, this can be covered by the CR, the LS can stay as such. This is acceptable for Siemens.  Rev2 for clean-up and remove "draft".  Rev3: the WID code is corrected.  Agreed as rev3. | Revised to S1-210368 |
| 04r | 6.1 | [S1-210368](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210368.zip) | SA1 | LS to SA2, CT1, RAN2, RAN3, SA, CT, RAN (cc SA3) on Support of PWS over SNPN | LS out |  |  |  |  |  |  |  | Replaces S1-210191 |  | Agreed |
| 01 | 6.2 | [S1-210178](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210178.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0282 |  | F | 12.7.0 | Rel-12 | ProSe-SA1 |  | CR | Noted |
| 02 | 6.2 | [S1-210179](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210179.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0283 |  | A | 13.5.0 | Rel-13 | ProSe-SA1 | The CR modifies the requirements to "minimize disruptions" instead of “user shall not perceive” | Rev1 presented  This is to align with Stages 2/3 work.  Should be category F, since this is the first one  It now starts in Rel-13 and not in Rel-12, since this was not done in Rel-12. WID should then be changed from "Prose-SA1" to "eProSe-SA1".  Since the original sentence has to be kept as such in Rel-18, then the Rel-18 version has to be created before this CR is implemented in Rel-17. A note shall clarify this in the CR coverpage of Rel-17.  Rev3 agreed | Revised to S1-210399 |
| 02r | 6.2 | [S1-210399](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210399.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0283 | 1 | A | 13.5.0 | Rel-13 | ProSe-SA1 | Replaces S1-210179 |  | Agreed |
| 03 | 6.2 | [S1-210180](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210180.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0284 |  | A | 14.5.0 | Rel-14 | ProSe-SA1 |  | S1-210180r3 agreed | Revised to S1-210400 |
| 03r | 6.2 | [S1-210400](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210400.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0284 | 1 | A | 14.5.0 | Rel-14 | ProSe-SA1 | Replaces S1-210180 |  | Agreed |
| 04 | 6.2 | [S1-210181](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210181.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0285 |  | A | 15.4.0 | Rel-15 | ProSe-SA1 |  | S1-210181r3 agreed | Revised to S1-210401 |
| 04r | 6.2 | [S1-210401](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210401.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0285 | 1 | A | 15.4.0 | Rel-15 | ProSe-SA1 | Replaces S1-210181 |  | Agreed |
| 05 | 6.2 | [S1-210182](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210182.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0286 |  | A | 16.2.0 | Rel-16 | ProSe-SA1 |  | S1-210182r2 agreed | Revised to S1-210402 |
| 05r | 6.2 | [S1-210402](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210402.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0286 | 1 | A | 16.2.0 | Rel-16 | ProSe-SA1 | Replaces S1-210182 |  | Agreed |
| 06 | 6.2 | [S1-210183](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210183.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0287 |  | A | 17.1.0 | Rel-17 | ProSe-SA1 |  | S1-210183r2 agreed then problem with rev marks discovered.  Rev3: agreed. | Revised to S1-210369 |
| 06r | 6.2 | [S1-210369](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210369.zip) | Nokia, Nokia Shanghai Bell | Update of requirement for switching of user traffic | CR | 22.278 | 0287 | 1 | A | 17.1.0 | Rel-17 | ProSe-SA1 | Replaces S1-210183 |  | Agreed |
| 07 | 6.2 | [S1-210259](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210259.zip) | Qualcomm Incorporated | Clean-up\_alignment of R16 UAS requirements | CR | 22.125 | 0033 |  | F | 16.3.0 | Rel-16 | ID\_UAS | Since ID\_UAS Void main sections and main content  Add editor’s note to clause 1, to refer to future releases of the specification. | Rev1 presented.  MCC clarified that keeping section 4 or not will have no impact.  The Chair will draw the attention to this CR in his report to SA.  Rev1 can be agreed then.  Rev2 (just to clean-up rev marks on the cover page) is agreed.  Rev3 agreed | Revised to S1-210403 |
| 07r | 6.2 | [S1-210403](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210403.zip) | Qualcomm Incorporated | Clean-up\_alignment of R16 UAS requirements | CR | 22.125 | 0033 | 1 | F | 16.3.0 | Rel-16 | ID\_UAS | Replaces S1-210259 |  | Agreed |
| 01 | 6.3 | [S1-210124](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210124.zip) | ETRI | Modification of requirements for network slice constraints | CR | 22.261 | 0498 |  | F | 16.13.0 | Rel-16 | TEI16 | Slice constraint requirements for unauthorized and partially authorized UEs are clearly specified seperately. | For Nokia, only the added clarifying sentence is needed, no need for other changes.  For Huawei and Qualcomm, the meaning of the new sentence is slightly different than the previous text.  For Siemens, more time is needed to think about the consequences on changing these requirements.  To be continued by e-mail.  Rev4 agreed | Revised to S1-210404 |
| 01r | 6.3 | [S1-210404](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210404.zip) | ETRI | Modification of requirements for network slice constraints | CR | 22.261 | 0498 | 1 | F | 16.13.0 | Rel-16 | TEI16 | Replaces S1-210124 |  | Agreed |
| 02 | 6.3 | [S1-210125](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210125.zip) | ETRI | Modification of requirements for network slice constraints | CR | 22.261 | 0499 |  | A | 17.5.0 | Rel-17 | TEI16 |  | 0125r4 agreed, then editorial problem found on the cover page, so rev5 produced and agreed. | Revised to S1-210405 |
| 02r | 6.3 | [S1-210405](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210405.zip) | ETRI | Modification of requirements for network slice constraints | CR | 22.261 | 0499 | 1 | A | 17.5.0 | Rel-17 | TEI16 | Replaces S1-210125 |  | Agreed |
| 03 | 6.3 | [S1-210133](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210133.zip) | ETRI | Modification of requirements for network slice constraints | CR | 22.261 | 0500 |  | A | 18.1.1 | Rel-18 | TEI16 |  | 0133r4 agreed | Revised to S1-210406 |
| 03r | 6.3 | [S1-210406](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210406.zip) | ETRI | Modification of requirements for network slice constraints | CR | 22.261 | 0500 | 1 | A | 18.1.1 | Rel-18 | TEI16 | Replaces S1-210133 |  | Agreed |
| 03 | 7.01.1 | [S1-210106](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210106.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Abbreviations | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  | orig. version | Agreed |
| 04 | 7.01.1 | [S1-210109](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210109.zip) | China Mobile Com. Corporation | FS\_MMTELin5G References | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  | 109r1 agreed | Revised to S1-210407 |
| 04r | 7.01.1 | [S1-210407](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210407.zip) | China Mobile Com. Corporation | FS\_MMTELin5G References | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G | Replaces S1-210109 |  | Agreed |
| 05 | 7.01.1 | [S1-210108](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210108.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Overview | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  | 0108r3 agreed | Revised to S1-210408 |
| 05r | 7.01.1 | [S1-210408](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210408.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Overview | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G | Replaces S1-210108 |  | Agreed |
| 06 | 7.01.1 | [S1-210103](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210103.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Additional considerations | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  |  | Noted |
| 08 | 7.01.1 | [S1-210167](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210167.zip) | Nokia, Nokia Shanghai Bell, Sony, LG Electronics | FS\_MMTELin5G cleanup | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  | Moderator proposed to note it, since similar to 104, so discussion proposed to continue on 104.  Not agreeable by the group: 104 has to do with the synchronisation issue, when this document not. Objection from China Mobile.  Conclusion: The synchronisation issue is to be solved by next meeting. | Noted |
| 09 | 7.01.1 | [S1-210104](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210104.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Delete a requirement for use case on Conference call with AR holography | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G | This document deletes a requirement for the use case “Conference call with AR holography” and modify the use case to clarify the service flow and the reason for requirements. Because just like the comment proposed in the end of SA1#92 e-meeting, this type of media splitting is already supported in 24.337.  It also modifies the use case “Real-time speech translation “ to clarify the service flow and requirements.  Finally, it modifies the use case “AR call “ to clarify the requirements. | Rev2 presented.  For Qualcomm and Ericsson, synchronisation is a major problem, for Tactile but also for MMTel. They propose all the synchronisation matters to be discussed together at a future meeting.  For KPN, nothing new is added here, these are just clarifications and deletions.  This is to be further discussed off-line.  Rev3: Changes were that further requirements were deleted.  Agreed as rev3. | Revised to S1-210370 |
| 09r | 7.01.1 | [S1-210370](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210370.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Delete a requirement for use case on Conference call with AR holography | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G | Replaces S1-210104 |  | Agreed |
| 10 | 7.01.1 | [S1-210141](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210141.zip) | Huawei Technologies Sweden AB | Update to use case on real-time screen sharing during a call | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  | S1-210141r1 agreed. | Revised to S1-210371 |
| 10r | 7.01.1 | [S1-210371](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210371.zip) | Huawei Technologies Sweden AB | Update to use case on real-time screen sharing during a call | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G | Replaces S1-210141 |  | Agreed |
| 11 | 7.01.1 | [S1-210105](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210105.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Use case on real-time visual interactive menu | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  |  | Revised to S1-210142 |
| 12 | 7.01.1 | [S1-210142](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210142.zip) | China Mobile, Huawei, Deutsche Telekom | FS\_MMTELin5G Use case on real-time visual interactive menu | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G | Replaces S1-210105 | Revision of S1-210105. | Noted |
| 13 | 7.01.1 | [S1-210146](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210146.zip) | Huawei, China Mobile, Deutsche Telekom, Vodafone | Use case on Multimedia CLIP and COLP | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  | 0146r5 agreed | Revised to S1-210372 |
| 13r | 7.01.1 | [S1-210372](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210372.zip) | Huawei, China Mobile, Deutsche Telekom, Vodafone | Use case on Multimedia CLIP and COLP | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G | Replaces S1-210146 |  | Agreed |
| 14 | 7.01.1 | [S1-210148](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210148.zip) | Huawei, China Mobile, Vodafone | Use case on 3rd party specific user identities | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  | 0148r4 agreed | Revised to S1-210373 |
| 14r | 7.01.1 | [S1-210373](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210373.zip) | Huawei, China Mobile, Vodafone | Use case on 3rd party specific user identities | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G | Replaces S1-210148 |  | Agreed |
| 16 | 7.01.1 | [S1-210107](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210107.zip) | China Mobile Com. Corporation | FS\_MMTELin5G Consolidated potential requirements | pCR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  | 0107r1 | Noted |
| 01 | 7.01.2 | [S1-210011](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210011.zip) | China Mobile | TR 22.873 v.0.4.1 ("Study on evolution of the IMS MMtel service") | draft TR | 22.873 |  |  |  | 0.4.1 | Rel-18 | FS\_MMTELin5G |  | Results from SA1#92e  Not to be submitted to plenary. | Noted |
| 02 | 7.01.2 | [S1-210300](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210300.zip) | Rapporteur (China Mobile) | TR22.873 v0.5.0 to include agreements at this meeting | TR | 22.873 |  |  |  | 0.5.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02 | 7.02.1 | [S1-210164](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210164.zip) | BDBOS | Use case – Incident response involving multiple countries | pCR | 22.881 |  |  |  | 0.3.0 | Rel-18 | FS\_SACI\_MCS | Use case on how resources available in Partner MCX Service Systems can be brought into a primary MCX Service System to support multi-agency incident response. | orig. version | Agreed |
| 03 | 7.02.1 | [S1-210166](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210166.zip) | OTD | FS\_SACI\_MCS Updates for clarification | pCR | 22.881 |  |  |  | 0.3.0 | Rel-18 | FS\_SACI\_MCS | Updates for clarification for clauses 5.1.1, 5.1.2, 5.1.3. | orig. version | Agreed |
| 01 | 7.02.2 | [S1-210301](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210301.zip) | Rapporteur (China Mobile) | TR22.881 v0.4.0 to include agreements at this meeting | TR | 22.881 |  |  |  | 0.4.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02 | 7.03.1 | [S1-210232](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210232.zip) | Hansung University | RAILSS introduction | pCR | 22.890 |  |  |  | 0.3.0 | Rel-17 | FS\_RAILSS | This contribution proposes the introduction part of TR22.890. |  | Agreed |
| 03 | 7.03.1 | [S1-210234](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210234.zip) | Hansung University | RAILSS scope | pCR | 22.890 |  |  |  | 0.3.0 | Rel-17 | FS\_RAILSS | This contribution proposes the scope section of TR22.890 |  | Agreed |
| 04 | 7.03.1 | [S1-210264](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210264.zip) | Hansung University, ETRI, KT, LGUplus | Use case for operation of screen doors | pCR | 22.890 |  |  |  | 0.3.0 | Rel-17 | FS\_RAILSS | This contribution proposes a use case for the operation of screen doors in the smart railway station. | orig. version | Noted |
| 01 | 7.03.2 | [S1-210302](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210302.zip) | Rapporteur (Hansung University) | TR22.890 v0.4.0 to include agreements at this meeting | TR | 22.890 |  |  |  | 0.4.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 03 | 7.04.1 | [S1-210214](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210214.zip) | Nokia Shanghai Bell | FS\_AMMT - editorials | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Attached PCR addresses Editorials throughout the TR draft. | 0214r2 agreed | Revised to S1-210374 |
| 03r | 7.04.1 | [S1-210374](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210374.zip) | Nokia Shanghai Bell | FS\_AMMT - editorials | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210214 |  | Agreed |
| 05 | 7.04.1 | [S1-210122](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210122.zip) | InterDigital, OPPO | FS\_AMMT – Including device-to-device aspects in the use case for Split Image Recognition | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This document proposes to improve the use case on split image recognition. | For DT, D2D is outside the scope of the study.  InterDigital answered that "sidelink" is mentioned in the WID.  For Qualcomm, even if it is not excluded in the scope, it is coming quite late. They have no concern if it can be progressed quickly.  OK for D2D: Oppo, InterDigital, Sony, Vivo, Samsung, IPCom, LGE, FirstNet  Not OK for D2D: DT, Telefonica, CharterComm, ChinaUnicom, Nokia, Intel  No clear decision (8 against 6)  Rev1: objection from DT.  InterDigital explained that the the problem is at the principle level, so no agreement can be found.  DT clarified that their concern is that the optimisation is out of the scope of Prose. DT and CU have also concerns about the provided ProSe KPI values in related use cases (image recognition, etc.) and consider them unrealistic. Use cases description provide also different description of how ProSe works, poiting also for potential conceptual changes in ProSe.  The chair and InterDigital have concerns with this view but respect DT's position. A call is proposed for after the meeting. | Noted |
| 06 | 7.04.1 | [S1-210319](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210319.zip) | Nokia | Use case updates – clause 5.1 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210210 | 319r2 agreed | Revised to S1-210375 |
| 06r | 7.04.1 | [S1-210375](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210375.zip) | Nokia | Use case updates – clause 5.1 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210319 |  | Agreed |
| 07 | 7.04.1 | [S1-210332](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210332.zip) | Qualcomm | Updates and clarifications on KPIs – Use case 5.1 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210201 | orig. version | Agreed |
| 08 | 7.04.1 | [S1-210320](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210320.zip) | Nokia | Use case updates – clause 5.2 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210210 | S1-210320r4 agreed | Revised to S1-210376 |
| 08r | 7.04.1 | [S1-210376](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210376.zip) | Nokia | Use case updates – clause 5.2 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210320 |  | Agreed |
| 09 | 7.04.1 | [S1-210321](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210321.zip) | Nokia | Use case updates – clause 5.3 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210210 |  | Agreed |
| 10 | 7.04.1 | [S1-210322](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210322.zip) | Nokia | Use case updates – clause 5.4 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210210 | S1-210322r1 agreed | Revised to S1-210377 |
| 10r | 7.04.1 | [S1-210377](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210377.zip) | Nokia | Use case updates – clause 5.4 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210322 |  | Agreed |
| 11 | 7.04.1 | [S1-210333](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210333.zip) | Qualcomm | Updates and clarifications on KPIs – Use case 5.4 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210202 |  | Agreed |
| 12 | 7.04.1 | [S1-210199](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210199.zip) | Samsung Electronics GmbH | UE Status Information | discussion |  |  |  |  |  |  |  | This discussion paper considers aspects in use case 5.5, to support P-CR S1-210061. |  | Noted |
| 13 | 7.04.1 | [S1-210061](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210061.zip) | OPPO | Update to AMMT use case - Session-specific model transfer split computation decision operation | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Add one more requirement for the use case on Session-specific model transfer split computation operations | Rev1: OPPO, Samsung  Rev2: provided just before the session, not enough time.  Rev5: last sentence of 5.3 edited online.  Agreed as rev6 | Revised to S1-210378 |
| 13r | 7.04.1 | [S1-210378](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210378.zip) | OPPO | Update to AMMT use case - Session-specific model transfer split computation decision operation | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210061 |  | Agreed |
| 14 | 7.04.1 | [S1-210323](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210323.zip) | Nokia | Use case updates – clause 5.5 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210210 | Merged into 61r1 | Merged |
| 15 | 7.04.1 | [S1-210330](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210330.zip) | Qualcomm | Updates on Functional requirements – Use case 5. 5 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210202 | orig. version | Agreed |
| 16 | 7.04.1 | [S1-210251](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210251.zip) | vivo Mobile Com. (Chongqing) | update to use case AI/ML model distribution for image recognition | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This PCR updates the prediction of download of AI/ML model based on the interaction of 5G network and AI/ML server for the use case in <6.1 AI/ML model distribution for image recognition > and proposes a new potential requirement. | Rev1 presented:  Nokia and DT mentioned that rev1 is a new use case, not a revision. Not enough time was provided for delegates after upload. To be continued by e-mail.  S1-210251r6 agreed | Revised to S1-210379 |
| 16r | 7.04.1 | [S1-210379](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210379.zip) | vivo Mobile Com. (Chongqing) | update to use case AI/ML model distribution for image recognition | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210251 |  | Agreed |
| 17 | 7.04.1 | [S1-210324](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210324.zip) | Nokia | Use case updates – clause 6.1 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210211 | S1-210324r1 agreed | Revised to S1-210380 |
| 17r | 7.04.1 | [S1-210380](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210380.zip) | Nokia | Use case updates – clause 6.1 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210324 |  | Agreed |
| 18 | 7.04.1 | [S1-210334](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210334.zip) | Qualcomm | Updates and clarifications on KPIs – Use case 6.1 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210202 |  | Agreed |
| 19 | 7.04.1 | [S1-210014](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210014.zip) | InterDigital | FS\_AMMT: Mistakes in implementation of Approved pCRs | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  |  | Agreed |
| 20 | 7.04.1 | [S1-210015](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210015.zip) | InterDigital | FS\_AMMT: Update of the real time media editing use case | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  |  | Agreed |
| 21 | 7.04.1 | [S1-210022](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210022.zip) | InterDigital | FS\_AMMT: Removal of Editor's note from P.R.6.2-I-001 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  | 0022r1 agreed | Revised to S1-210381 |
| 21r | 7.04.1 | [S1-210381](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210381.zip) | InterDigital | FS\_AMMT: Removal of Editor's note from P.R.6.2-I-001 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210022 |  | Agreed |
| 22 | 7.04.1 | [S1-210325](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210325.zip) | Nokia | Use case updates – clause 6.2 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210211 | 0325r2 agreed | Revised to S1-210382 |
| 22r | 7.04.1 | [S1-210382](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210382.zip) | Nokia | Use case updates – clause 6.2 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210325 |  | Agreed |
| 23 | 7.04.1 | [S1-210335](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210335.zip) | Qualcomm | Updates and clarifications on KPIs – Use case 6.2 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210201 | 0335r1 agreed | Revised to S1-210383 |
| 23r | 7.04.1 | [S1-210383](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210383.zip) | Qualcomm | Updates and clarifications on KPIs – Use case 6.2 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210335 |  | Agreed |
| 24 | 7.04.1 | [S1-210326](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210326.zip) | Nokia | Use case updates – clause 6.3 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210211 | 0326r1 agreed | Revised to S1-210384 |
| 24r | 7.04.1 | [S1-210384](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210384.zip) | Nokia | Use case updates – clause 6.3 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210326 |  | Agreed |
| 25 | 7.04.1 | [S1-210336](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210336.zip) | Qualcomm | Updates and clarifications on KPIs – Use case 6.3 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210201 |  | Agreed |
| 26 | 7.04.1 | [S1-210031](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210031.zip) | China Telecommunications | FS\_AMMT update to AI model management as a Service UC | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  | 0031r6 agreed | Revised to S1-210385 |
| 26r | 7.04.1 | [S1-210385](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210385.zip) | China Telecommunications | FS\_AMMT update to AI model management as a Service UC | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210031 |  | Agreed |
| 27 | 7.04.1 | [S1-210144](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210144.zip) | OPPO | updated AMMT use case - Uncompressed Federated Learning for image recognition | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  | 0144r1 agreed | Revised to S1-210386 |
| 27r | 7.04.1 | [S1-210386](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210386.zip) | OPPO | updated AMMT use case - Uncompressed Federated Learning for image recognition | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210144 | Merged into 387 | Merged |
| 28 | 7.04.1 | [S1-210327](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210327.zip) | Nokia | Use case updates – clause 7.1 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210213 | 0327r3 agreed | Revised to S1-210387 |
| 28r | 7.04.1 | [S1-210387](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210387.zip) | Nokia | Use case updates – clause 7.1 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210327 | Merge of 327r3 and 386 (same as 144r1). | Agreed |
| 29 | 7.04.1 | [S1-210337](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210337.zip) | Qualcomm | Updates and clarifications on KPIs – Use case 7.1 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210201 |  | Agreed |
| 30 | 7.04.1 | [S1-210267](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210267.zip) | LG Electronics Deutschland | Editorial Update for Compressed Federated Learning for image/video processing | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This paper is proposed to update Use Case described in clause 7.2 of TR 22.874 with the focus on the cycle of iterations that can repeat one after another. | orig. version | Agreed |
| 31 | 7.04.1 | [S1-210328](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210328.zip) | Nokia | Use case updates – clause 7.2 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210213.  This PCR proposes several updates to the use cases in clause 7.2. This contribution is based on the original S1-210213. | r1 changes to "user experienced data rata" as defined in TS 22.261.  (comments: LGE)  Rev2: editor's note to be deleted, according to LGE.  For Nokia and Qualcomm, they do bring clarification and do not see why to remove them.  The Editor's notes will be replaced by "these requirements details are FFS" in rev3.  Agreed as rev3. | Revised to S1-210388 |
| 31r | 7.04.1 | [S1-210388](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210388.zip) | Nokia | Use case updates – clause 7.2 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210328 |  | Agreed |
| 32 | 7.04.1 | [S1-210266](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210266.zip) | LG Electronics Deutschland | Update for Data Transfer Disturbance in Multi-agent multi-device ML Operations | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This paper is proposed to update Use Case described in clause 7.3 of TR 22.874 with the focus on some necessary requirements for AI/ML feature at UE or at learning agent (in the cloud) can minimize or avoid service disruption. | Rev9 agreed. | Revised to S1-210389 |
| 32r | 7.04.1 | [S1-210389](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210389.zip) | LG Electronics Deutschland | Update for Data Transfer Disturbance in Multi-agent multi-device ML Operations | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210266 |  | Agreed |
| 33 | 7.04.1 | [S1-210329](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210329.zip) | Nokia | Use case updates – clause 7.3 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210213 | 0329r3 agreed | Revised to S1-210390 |
| 33r | 7.04.1 | [S1-210390](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210390.zip) | Nokia | Use case updates – clause 7.3 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210329 |  | Agreed |
| 34 | 7.04.1 | [S1-210060](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210060.zip) | OPPO | Update to AMMT use case - flocking | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This contribution updates the usecase in subclause 7.4.1 to resolve the EN and let the 5GS hold a maximum commnucation resource for a flock for FL. | 0060r5 agreed | Revised to S1-210391 |
| 34r | 7.04.1 | [S1-210391](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210391.zip) | OPPO | Update to AMMT use case - flocking | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210060 |  | Agreed |
| 35 | 7.04.1 | [S1-210331](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210331.zip) | Qualcomm | Updates on Functional requirements – Use case 7.4 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces one part of S1-210202 | orig. version | Agreed |
| 36 | 7.04.1 | [S1-210210](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210210.zip) | Nokia Shanghai Bell | Use case updates – clause 5 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This PCR proposes several updates to the use cases in clause 5. | Withdrawn, "cut into" S1-210319, S1-210320, S1-210321, S1-210322, S1-210323 to fit into e-mail threads structure | Noted |
| 37 | 7.04.1 | [S1-210211](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210211.zip) | Nokia Shanghai Bell | Use case updates – clause 6 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This PCR proposes several updates to the use cases in clause 6. | Withdrawn, "cut into" S1-210324, S1-210325, S1-210326 to fit into e-mail threads structure | Noted |
| 38 | 7.04.1 | [S1-210213](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210213.zip) | Nokia Shanghai Bell | Use case updates – clause 7 | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This PCR proposes several updates to the use cases in clause 7. | Withdrawn, "cut into" S1-210327, S1-210328, S1-210329 to fit into e-mail threads structure | Noted |
| 39 | 7.04.1 | [S1-210201](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210201.zip) | Qualcomm Incorporated | Updates and clarifications on KPIs | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  | Withdrawn, "cut into" S1-210330 to S1-210337 to fit into e-mail threads structure | Noted |
| 40 | 7.04.1 | [S1-210202](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210202.zip) | Qualcomm Incorporated | Updates and clarifications on Functional requirements | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  | Withdrawn, "cut into" S1-210330 to S1-210337 to fit into e-mail threads structure | Noted |
| 42 | 7.04.1 | [S1-210024](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210024.zip) | InterDigital | FS\_AMMT – New use-case on local AI/ML model split on factory robots | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  | 0024r3  (o: DT)  This is the same concern as for 0122:  DT clarified that their concern is that the optimisation is out of the scope of Prose. DT and CU have also concerns about the provided ProSe KPI values in related use cases (image recognition, etc.) and consider them unrealistic. Use cases description provide also different description of how ProSe works, poiting also for potential conceptual changes in ProSe.  The chair and InterDigital have concerns with this view but respect DT's position. A call is proposed for after the meeting. | Noted |
| 43 | 7.04.1 | [S1-210057](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210057.zip) | OPPO | FS\_AMMT – New use case- Distributed learning based on model parallelism | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Distributed learning has frequent data interaction. This use case introduces a model parallelism architecture of distributed learning, which realizes the storage and training of large-scale models through the information interaction between multiple nodes. | 0057r1  (o:DT, Nokia)  A call will be made after the meeting to progress this issue. | Noted |
| 44 | 7.04.1 | [S1-210058](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210058.zip) | OPPO | Distributed ML using D2D communication | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | this doc proposes an use-case of distributed learning using D2D communication. | orig. version  (o: DT, Nokia)  A call will be made after the meeting to progress this issue. | Noted |
| 45 | 7.04.1 | [S1-210200](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210200.zip) | Qualcomm Incorporated | Use case on AI-ML for Smart Automotive systems | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  | 0200r3 (new revision)  (o: Qualcomm)  Agreed as rev3. | Revised to S1-210409 |
| 45r | 7.04.1 | [S1-210409](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210409.zip) | Qualcomm Incorporated | Use case on AI-ML for Smart Automotive systems | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210200 |  | Agreed |
| 46 | 7.04.1 | [S1-210209](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210209.zip) | Nokia Shanghai Bell | Use case on shared AI/ML model monitoring | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This PCR introduces a new use case on the monitoring of shared AI/ML models in order to be able to learn about potential performance degradation of the AI/ML model due to changes in the context where the AI/ML is used. | 0209r4 agreed | Revised to S1-210410 |
| 46r | 7.04.1 | [S1-210410](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210410.zip) | Nokia Shanghai Bell | Use case on shared AI/ML model monitoring | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210209 |  | Agreed |
| 48 | 7.04.1 | [S1-210059](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210059.zip) | OPPO | Proposal for consolidated potential requirements in FS\_AMMT | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | This contribution proposes consolidated requirement (except KPI) based on existing use cases in AMMT TR. |  | Noted |
| 49 | 7.04.1 | [S1-210032](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210032.zip) | China Telecommunications | FS\_AMMT add consolidated potential requirements | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  |  | Noted |
| 50 | 7.04.1 | [S1-210143](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210143.zip) | OPPO | Consolidated KPI for FS\_AMMT | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT |  | 0143r7  (o: Qualcomm)  New todc number to be provided, to be used as a basis for next meeting. | Revised to S1-210411 |
| 50r | 7.04.1 | [S1-210411](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210411.zip) | OPPO | Consolidated KPI for FS\_AMMT | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Replaces S1-210143 |  | Noted |
| 51 | 7.04.1 | [S1-210012](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210012.zip) | Nokia Shanghai Bell | Editorial corrections | pCR | 22.874 |  |  |  | 0.2.0 | Rel-18 | FS\_AMMT | Editorial corrections. |  | Withdrawn |
| 01 | 7.04.2 | [S1-210303](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210303.zip) | Rapporteur (OPPO) | TR22.874v0.3.0 to include agreements at this meeting | TR | 22.874 |  |  |  | 0.3.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02 | 7.04.2 | [S1-210304](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210304.zip) | Rapporteur (OPPO) | Cover page for presentation/approval of TR22.874v0.3.0 | CP |  |  |  |  |  |  |  |  | For information, 75% complete | Revised to S1-210412 |
| 02r | 7.04.2 | [S1-210412](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210412.zip) | Rapporteur (OPPO) | Cover page for presentation/approval of TR22.874v0.3.0 | CP |  |  |  |  |  |  |  | Replaces S1-210304 |  | Agreed |
| 02 | 7.05.1 | [S1-210117](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210117.zip) | Samsung | 22.926 P-CR: Airspace Update | pCR | 22.926 |  |  |  | 0.2.0 | Rel-18 | FS\_5GET | Aeronautical Areas needs to be redefined to include both national airspace and airspace outside of sovereign territory. This is relevant in the newly added use case for applying communications regulations in a ship or airborne vehicle. |  | Agreed |
| 03 | 7.05.1 | [S1-210118](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210118.zip) | Samsung | 22.926 P-CR: Extra-territorial Areas | pCR | 22.926 |  |  |  | 0.2.0 | Rel-18 | FS\_5GET | The definition of Extra-Territorial areas is missing in Clause 5. Though communication in such regions is rare, the TR should be complete. | 118r1 agreed | Revised to S1-210413 |
| 03r | 7.05.1 | [S1-210413](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210413.zip) | Samsung | 22.926 P-CR: Extra-territorial Areas | pCR | 22.926 |  |  |  | 0.2.0 | Rel-18 | FS\_5GET | Replaces S1-210118 |  | Agreed |
| 04 | 7.05.1 | [S1-210119](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210119.zip) | Samsung | 22.926 P-CR: Communication Regulation In Vessels | pCR | 22.926 |  |  |  | 0.2.0 | Rel-18 | FS\_5GET | The regulatory implications of communications in a vessel in sovereign territory context are added in a new clause related to UE location. | 119r1 agreed | Revised to S1-210414 |
| 04r | 7.05.1 | [S1-210414](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210414.zip) | Samsung | 22.926 P-CR: Communication Regulation In Vessels | pCR | 22.926 |  |  |  | 0.2.0 | Rel-18 | FS\_5GET | Replaces S1-210119 |  | Agreed |
| 05 | 7.05.1 | [S1-210269](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210269.zip) | TNO | Network selection with extra territoriality | pCR | 22.926 |  |  |  | 0.2.0 | Rel-18 | FS\_5GET |  | 0269r3 agreed | Revised to S1-210415 |
| 05r | 7.05.1 | [S1-210415](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210415.zip) | TNO | Network selection with extra territoriality | pCR | 22.926 |  |  |  | 0.2.0 | Rel-18 | FS\_5GET | Replaces S1-210269 |  | Agreed |
| 01 | 7.05.2 | [S1-210305](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210305.zip) | Rapporteur (TNO) | TR22.926v0.3.0 to include agreements at this meeting | TR | 22.926 |  |  |  | 0.3.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 03 | 7.06.1 | [S1-210277](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210277.zip) | ETRI | FS\_EASNS: References | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS |  | 0277r2 agreed | Revised to S1-210416 |
| 03r | 7.06.1 | [S1-210416](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210416.zip) | ETRI | FS\_EASNS: References | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | Replaces S1-210277 |  | Agreed |
| 04 | 7.06.1 | [S1-210051](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210051.zip) | LG Electronics Inc. | Editorial fix on TR22.835 v0.2.0 | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS |  | 0051r1 agreed | Revised to S1-210417 |
| 04r | 7.06.1 | [S1-210417](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210417.zip) | LG Electronics Inc. | Editorial fix on TR22.835 v0.2.0 | discussion |  |  |  |  |  |  |  | Replaces S1-210051 |  | Agreed |
| 05 | 7.06.1 | [S1-210054](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210054.zip) | LG Electronics Inc. | FS\_EASNS Overview | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS |  | 0054r1 agreed | Revised to S1-210418 |
| 05r | 7.06.1 | [S1-210418](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210418.zip) | LG Electronics Inc. | FS\_EASNS Overview | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | Replaces S1-210054 |  | Agreed |
| 07 | 7.06.1 | [S1-210027](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210027.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS removal of ‘user preference’ | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS |  |  | Agreed |
| 08 | 7.06.1 | [S1-210026](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210026.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS PR cleanup | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | This contribution provides some clean up of the potential requirements in use cases 5.4, 5.10, 5.11 and 5.12. | Rev2: proposed to be merged with one part of S1-210217  Rev2 agreed. | Revised to S1-210419 |
| 08r | 7.06.1 | [S1-210419](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210419.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS PR cleanup | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | Replaces S1-210026 |  | Agreed |
| 09 | 7.06.1 | [S1-210217](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210217.zip) | Qualcomm Incorporated | NW slice\_Updates and clarifications | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | This document provides proposals for updating and clarifying some potential requirements captured in the current FS\_EANS TR. | Merged with S1-210026  Rev2 presented: this is what is left after the transfer of material to S1-210026r2.  Huawei support this change.  Agreed as rev2. | Revised to S1-210420 |
| 09r | 7.06.1 | [S1-210420](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210420.zip) | Qualcomm Incorporated | NW slice\_Updates and clarifications | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | Replaces S1-210217 |  | Agreed |
| 10 | 7.06.1 | [S1-210050](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210050.zip) | LG Electronics Inc. | Relaying and backhauling data for network slice | discussion |  |  |  |  |  |  |  | This contribution is a re-submission of S1-204020, updated based on the comments.  A new section is proposed for the FS\_EASNS TR: "Relaying and backhauling data for a network slice" | Rev2 presented:  For Nokia , 5.x.6 states "it applies except when it does not", so it still has to be clarified.  For Qualcomm, the concern is still about the "UE Delay".  Both Nokia and Qualcomm think that this is going in the right direction.  A note can work as a compromise.  Agreed as rev4 | Revised to S1-210421 |
| 10r | 7.06.1 | [S1-210421](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210421.zip) | LG Electronics Inc. | Relaying and backhauling data for network slice | discussion |  |  |  |  |  |  |  | Replaces S1-210050 |  | Agreed |
| 11 | 7.06.1 | [S1-210168](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210168.zip) | OTD | FS\_EASN Additional requirement for use case | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | This document includes an additional requirement to support the use case of clause 5.4.6. |  | Noted |
| 12 | 7.06.1 | [S1-210220](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210220.zip) | Apple | Clarification of 'access' for simultaneous access to multiple slices on different VPLMNs | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | This contribution attempts to clarify the term 'access' in the simultaneous access use case. The intention is that the UE is able to simultaneously use different slices on different VPLMNs, which means that the UE must be able to register to the different VPLMNs and also transmit / receive data on the different VPLMNs at the same time (from an application / user perspective). | Rev4 presented:  More justification for the use case has been provided.  It has been added: "Editor's Note: Whether the two PLMNs can be both VPLMNs need further study."  For Futurwei, the "Potential New Requirements" can be made clearer but an editor's note would be a compromise.  Rev5 agreed | Revised to S1-210422 |
| 12r | 7.06.1 | [S1-210422](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210422.zip) | Apple | Clarification of 'access' for simultaneous access to multiple slices on different VPLMNs | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | Replaces S1-210220 |  | Agreed |
| 13 | 7.06.1 | [S1-210025](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210025.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS clean up of 5.8 | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS |  | 0025r3 agreed | Revised to S1-210423 |
| 13r | 7.06.1 | [S1-210423](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210423.zip) | Nokia, Nokia Shanghai Bell | FS\_EASNS clean up of 5.8 | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | Replaces S1-210025 |  | Agreed |
| 14 | 7.06.1 | [S1-210276](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210276.zip) | ETRI | FS\_EASNS Update of potential new requirements in use case 5.5 | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS |  | 0276r1 agreed | Revised to S1-210424 |
| 14r | 7.06.1 | [S1-210424](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210424.zip) | ETRI | FS\_EASNS Update of potential new requirements in use case 5.5 | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | Replaces S1-210276 |  | Agreed |
| 15 | 7.06.1 | [S1-210131](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210131.zip) | NTT DOCOMO INC. | FS\_EASNS new use case: UE's usage setting update | pCR | 22.835 |  |  |  | 0.2.0 | Rel-18 | FS\_EASNS | A new use case "UE's usage setting update" is proposed for inclusion into FS\_EASNS TR. 22.835. | Rev1 presented:  The potential requirement now states: "[PR.5.x.6-1] The 5G system shall be able to allow the HPLMN operator to set UE's usage setting (i.e. voice-centric or data-centric) for UE based on PLMN that the UE registers and the UE's subscription data."  For Qualcomm, this change is not acceptable. They objected already when it was applied only for slices and now that it is even more generic, they can agree even less.  For Ericsson, this change is valuable since it clarifies when/how to use a slice. It tells how operator can help their customers to get the right settings.  DoCoMo is just trying to adapt to the expectations. They understood that they were asked last time to disconnect their proposal from the slice concept, and now it seems that the concern is that it is disconnected from slice…  Telefonica support the change.  Same positions on the last day.  The Chair encourages off-line discussions in between meetings. | Noted |
| 17 | 7.06.1 | [S1-210055](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210055.zip) | LG Electronics Inc. | FS\_EASNS consolidation | discussion |  |  |  |  |  |  |  | This document proposes consolidated potential requirements for FS\_EASNS TR 22.835. | 0055r6 (new revision)  (comments: Qualcomm)  Rev6: changes on [CPR-003] as per Qualcomm's off-line comment.  Agreed as rev6. | Revised to S1-210425 |
| 17r | 7.06.1 | [S1-210425](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210425.zip) | LG Electronics Inc. | FS\_EASNS consolidation | discussion |  |  |  |  |  |  |  | Replaces S1-210055 |  | Agreed |
| 18 | 7.06.1 | [S1-210053](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210053.zip) | LG Electronics Inc. | FS\_EASNS conclusion | discussion |  |  |  |  |  |  |  |  | orig. version | Agreed |
| 19 | 7.06.1 | [S1-210023](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210023.zip) | CAICT | Discussion on Virtualization for Satellite Access | discussion |  |  |  |  |  |  |  |  |  | Withdrawn |
| 01 | 7.06.2 | [S1-210306](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210306.zip) | Rapporteur (LG Electronics) | TR22.835v0.3.0 to include agreements at this meeting | TR | 22.835 |  |  |  | 0.3.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02 | 7.06.2 | [S1-210307](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210307.zip) | Rapporteur (LG Electronics) | Cover page for presentation of TR22.835v0.3.0 | TR |  |  |  |  |  |  |  | Cover page to send TR22.835 for approval. | TR22.835 to be sent for approval, no new use case expected at next meeting except the (pending) DoCoMo one. Changes obviously to be proposed by CRs after SA's approval. It is reminded that 3GPP is contributions driven anyway.  Rev1 to put "exposure" instead of "interface"  Agreed as rev1. | Revised to S1-210426 |
| 02r | 7.06.2 | [S1-210426](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210426.zip) | Rapporteur (LG Electronics) | Cover page for presentation of TR22.835v0.3.0 | CP |  |  |  |  |  |  |  | Replaces S1-210307 |  | Agreed |
| 02 | 7.07.1 | [S1-210228](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210228.zip) | Union Inter. Chemins de Fer | Enhance “Train ready for departure communication” use case with video | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail |  |  | Agreed |
| 03 | 7.07.1 | [S1-210230](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210230.zip) | Union Inter. Chemins de Fer | Enhance “Shunting communication” use case with video | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail |  |  | Agreed |
| 04 | 7.07.1 | [S1-210233](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210233.zip) | Union Inter. Chemins de Fer | New “Monitoring and Control of Critical Infrastructure communication” use case | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail |  | 233r1 agreed | Revised to S1-210427 |
| 04r | 7.07.1 | [S1-210427](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210427.zip) | Union Inter. Chemins de Fer | New “Monitoring and Control of Critical Infrastructure communication” use case | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail | Replaces S1-210233 |  | Agreed |
| 05 | 7.07.1 | [S1-210219](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210219.zip) | Qualcomm Incorporated | Off-Net Railways\_Update to sec.8 | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail | This document provides a proposal for updating and clarifying the scope of sec.8 of TR (22.990). The main motivation is to clarify aspects and goals that are not in the realm of SA1, and limit the scope to a summary of SA1 identified gap analysis issues.  Concretely, sections on "Technical feasibility, complexity and overhead of normative 3GPP adjustments" are deleted. | For the UIC, this proposal restricts the scope of the SID, and this would trigger concerns to UIC. They see these sections useful e.g. when exchanging LSs with RAN. The Railways industry might not follow the 3GPP Standard if it does not fulfil their requirements.  For KPN, a middle way is possible, e.g. introducing a gap analysis.  For Ericsson, sending LSs e.g. to RAN asking if a requirement is technically feasible can still be done, even without the sections.  For Nokia, the present text is misleading if the intent is to capture RAN's point of view. They doubt that RAN will spend any significant time on analising draft requirements from SA1.  As a temporary conclusion: a middle way should be found, e.g. keeping the sections but with a different wording.  Rev2 agreed. | Revised to S1-210428 |
| 05r | 7.07.1 | [S1-210428](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210428.zip) | Qualcomm Incorporated | Off-Net Railways\_Update to sec.8 | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail | Replaces S1-210219 |  | Agreed |
| 06 | 7.07.1 | [S1-210235](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210235.zip) | Union Inter. Chemins de Fer | Add “MCX Support” as an identified issue to be solved by 3GPP technology as required by Off-Network for Rail | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail | It adds identified issue UC in chapter 8 of FS\_OFFNETRAIL TR 22.990 | Rev3 agreeable  Changes on changes to be removed.  Agreed as rev4. | Revised to S1-210429 |
| 06r | 7.07.1 | [S1-210429](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210429.zip) | Union Inter. Chemins de Fer | Add “MCX Support” as an identified issue to be solved by 3GPP technology as required by Off-Network for Rail | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail | Replaces S1-210235 |  | Agreed |
| 07 | 7.07.1 | [S1-210062](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210062.zip) | KRRI | Enhancement of “Virtual coupling” use case | discussion |  |  |  |  |  |  |  | This contribution proposes virtual coupling requirements to enhance the virtual coupling use case in chapter 5 of TR22.990. We propose the requirements for urban railways. | Rev1 presented.  Lot of "[TBD]" to be solved by next SA1 meeting.  Rev1 agreed. | Revised to S1-210430 |
| 07r | 7.07.1 | [S1-210430](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210430.zip) | KRRI | Enhancement of “Virtual coupling” use case | discussion |  |  |  |  |  |  |  | Replaces S1-210062 |  | Agreed |
| 08 | 7.07.1 | [S1-210240](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210240.zip) | Union Inter. Chemins de Fer | Do not exclude any single or a combination of 3GPP capabilities to support Rail Off-Network use cases | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail |  |  | Agreed |
| 09 | 7.07.1 | [S1-210244](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210244.zip) | Union Inter. Chemins de Fer | Request for clarification on relationship between TR 22.990 and TS 22.289 QoS scenarios and traffic characteristics | pCR | 22.990 |  |  |  | 0.2.0 | Rel-18 | FS\_OffNetRail |  |  | Agreed |
| 01 | 7.07.2 | [S1-210308](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210308.zip) | Rapporteur (UIC) | TR22.990v0.3.0 to include agreements at this meeting | TR | 22.990 |  |  |  | 0.3.0 |  |  |  |  | Agreed as a basis for future contributions |
| 03 | 7.08.1 | [S1-210043](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210043.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS Editorial cleanup | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS |  |  | Agreed |
| 04 | 7.08.1 | [S1-210216](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210216.zip) | Qualcomm Incorporated | Time Resiliency\_Updates and clarifications | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS |  | 0216r1 agreed (it has to be noted that 0216r2 was also provided then withdrawn). | Revised to S1-210431 |
| 04r | 7.08.1 | [S1-210431](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210431.zip) | Qualcomm Incorporated | Time Resiliency\_Updates and clarifications | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS | Replaces S1-210216 |  | Agreed |
| 05 | 7.08.1 | [S1-210044](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210044.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS Charging aspects | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS | This contribution provides several new potential requirements for charging data collection based on the new functionality provided with the 5G timing resiliency service. | Rev1 presented:  A definition has been added for "holdover"  More discussions needed.  Rev2: agreed | Revised to S1-210432 |
| 05r | 7.08.1 | [S1-210432](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210432.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS Charging aspects | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS | Replaces S1-210044 |  | Agreed |
| 06 | 7.08.1 | [S1-210045](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210045.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS Security clean up | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS | This contribution provides several editorial clean-ups to the TR in preparation for completion. | Rev1 presented.  More discussions needed.  Rev3: Huawei can agree on [PR 5.4.6.1-7] but "integrity" can be better defined in the document.  This can be done at next meeting.  Agreed as rev3. | Revised to S1-210433 |
| 06r | 7.08.1 | [S1-210433](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210433.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS Security clean up | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS | Replaces S1-210045 |  | Agreed |
| 08 | 7.08.1 | [S1-210046](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210046.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS Consolidation of potential requirements and KPIs | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS | This contribution provides the consolidated potential requirements and consolidated potential KPIs for the study. | 0046r4 (new revision)  (comments: Qualcomm, Ericsson, Huawei)  Rev5: same comment for Huawei about "integrity". Also to be solved next time.  About [CPR 7.1-1], Intel has concerns about deleting the word "service" at the end.  For Qualcomm and Nokia, clean-up can always be done later. This is agreeable by Intel.  Agreed as rev5. | Revised to S1-210434 |
| 08r | 7.08.1 | [S1-210434](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210434.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS Consolidation of potential requirements and KPIs | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS | Replaces S1-210046 |  | Agreed |
| 09 | 7.08.1 | [S1-210047](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210047.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS Conclusion | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS |  | 0047r1 agreed | Revised to S1-210435 |
| 09r | 7.08.1 | [S1-210435](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210435.zip) | Nokia, Nokia Shanghai Bell | FS\_5TRS Conclusion | pCR | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS | Replaces S1-210047 |  | Agreed |
| 01 | 7.08.2 | [S1-210309](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210309.zip) | Rapporteur (Nokia) | TR22.878v0.3.0 to include agreements at this meeting | TR | 22.878 |  |  |  | 0.3.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02 | 7.08.2 | [S1-210048](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210048.zip) | Nokia, Nokia Shanghai Bell | Presentation of Specification/Report to TSG: TR 22.878 Version 1.0.0 | TS or TR cover | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS |  | Rev1: "97% complete", presented for approval  "service" to be removed also here.  Agreed as rev2. | Revised to S1-210436 |
| 02r | 7.08.2 | [S1-210436](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210436.zip) | Nokia, Nokia Shanghai Bell | Presentation of Specification/Report to TSG: TR 22.878 Version 1.0.0 | TS or TR cover | 22.878 |  |  |  | 0.2.0 | Rel-18 | FS\_5TRS | Replaces S1-210048 |  | Agreed |
| 03 | 7.09.1 | [S1-210070](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210070.zip) | CEPRI, ZTE Corporation, China Telecom | Clarify the KPI table in section 5.2 | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This contribution proposes to clarify related values in KPI table and to remove editor note | 0070r5 agreed | Revised to S1-210438 |
| 03r | 7.09.1 | [S1-210438](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210438.zip) | CEPRI, ZTE Corporation, China Telecom | Clarify the KPI table in section 5.2 | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210070 |  | Agreed |
| 04 | 7.09.1 | [S1-210153](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210153.zip) | Nokia, Nokia Shanghai Bell | Review of new requirements identified by 22.867 for 5.2 Use case of advanced metering | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This paper provides some review comments for the new requirements identified by use case “5.2.If those requirements will be transferred to a TS most of their background information contained in the other sections of the use case will be lost, even if there will be some additional non-normative text added in the destination TS. For this reason, the author has deliberately taken the approach to first focus on the new requirements to see if they could be understood without having read the rest of the use case and comments from that perspective. | orig. version | Agreed |
| 05 | 7.09.1 | [S1-210071](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210071.zip) | CEPRI, ZTE Corporation, China Telecom | Update to Distributed Feeder Automation use case | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This contribution proposes to update the description of FA use case according to Grid industry’s condition and clarify related potential requirements. | 0071r5 agreed | Revised to S1-210437 |
| 05r | 7.09.1 | [S1-210437](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210437.zip) | CEPRI, ZTE Corporation, China Telecom | Update to Distributed Feeder Automation use case | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210071 |  | Agreed |
| 06 | 7.09.1 | [S1-210154](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210154.zip) | Nokia, Nokia Shanghai Bell | Review of new requirements identified by 22.867 for 5.3. Use case of Distributed Feeder Automation | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This paper provides some review comments for the new requirements identified by use case “5.3. Use case of Distributed Feeder Automation”. If those requirements will be transferred to a TS most of their background information contained in the other sections of the use case will be lost, even if there will be some additional non-normative text added in the destination TS. For this reason, the author has deliberately taken the approach to first focus on the new requirements to see if they could be understood without having read the rest of the use case and provide comments from that perspective. | Merged into 0071r5 | Merged |
| 07 | 7.09.1 | [S1-210155](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210155.zip) | Nokia, Nokia Shanghai Bell | Review of new requirements identified by 22.867 for 5.4 Use case of line current differential protection in power distribution grid | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This paper provides some review comments for the new requirements identified by use case “5.4 Use case of line current differential protection in power distribution grid”. If those requirements will be transferred to a TS most of their background information contained in the other sections of the use case will be lost, even if there will be some additional non-normative text added in the destination TS. For this reason, the author has deliberately taken the approach to first focus on the new requirements to see if they could be understood without having read the rest of the use case and provide comments from that perspective. | orig. version  (o: Huawei)  To be delayed until next meeting | Noted |
| 08 | 7.09.1 | [S1-210156](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210156.zip) | Nokia, Nokia Shanghai Bell | Review of new requirements identified by 22.867 for 5.5 Smart Energy Differentiated QoS For Transported Encrypted Data | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This paper provides some review comments for the new requirements identified by use case “5.5 Smart Energy Differentiated QoS For Transported Encrypted Data”. If those requirements will be transferred to a TS most of their background information contained in the other sections of the use case will be lost, even if there will be some additional non-normative text added in the destination TS. For this reason, the author has deliberately taken the approach to first focus on the new requirements to see if they could be understood without having read the rest of the use case and provide comments from that perspective. |  | Agreed |
| 09 | 7.09.1 | [S1-210113](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210113.zip) | Samsung Electronics GmbH | P-CR 22.267 clause 5.5 – update KPIs and requirements | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This P-CR harmonizes the values in the QoS chart with other clauses in the TR and proposes which are new requirements. A further requirement is proposes that goes beyond the requirements considered for 5GLAN. | S1-210113r1 source list => Samsung, EUTC, Orange, Nokia, Nokia Shanghai Bell, BMWi, EDF, Novamint  Rev3: Source: "Samsung, EUTC, Nokia, Nokia Shanghai Bell, NOVAMINT, BMWi, Orange, EDF"  Rev4 edited while projecting  Agreed as rev4. | Revised to S1-210439 |
| 09r | 7.09.1 | [S1-210439](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210439.zip) | Samsung Electronics GmbH | P-CR 22.267 clause 5.5 – update KPIs and requirements | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210113 |  | Agreed |
| 10 | 7.09.1 | [S1-210111](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210111.zip) | Samsung Electronics GmbH | Centralized RAN Information for Smart Energy Management | discussion |  |  |  |  |  |  |  |  | S1-210111r1 source list => Samsung, EUTC, Orange, Nokia, Nokia Shanghai Bell, BMWi, EDF, Novamint | Noted |
| 11 | 7.09.1 | [S1-210114](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210114.zip) | Samsung, EUTC | P-CR 22.267 clause 5.7 – update KPIs and requirements | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Removes editor’s notes (see the discussion paper to justify this change: S1-210111). | S1-210114r1 source list => Samsung, EUTC, Orange, Nokia, Nokia Shanghai Bell, BMWi, EDF, Novamint  The moderator informed that this is presented for 3rd time and there is no resolution.  For Huawei, most of the relevant points are already covered by SA5.  For Samsung, an "incremental progress" is made on the use cases. The main issue might be if the utilities might affect the 5G system behaviour. For Nokia, utilities need to know about the respect (or not) of SLA.  For Huawei, the question is to know whether the 5G reliability is higher than the utilities' application or the other way round. They think the 5G is more reliable.  More discussions needed off-line in between meetings.  Noted. Final number needed for rev1 | Revised to S1-210440 |
| 11r | 7.09.1 | [S1-210440](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210440.zip) | Samsung, EUTC | P-CR 22.267 clause 5.7 – update KPIs and requirements | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210114 |  | Noted |
| 12 | 7.09.1 | [S1-210072](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210072.zip) | CEPRI, ZTE Corporation, China Telecom | Update to 5.8 Smart Distribution Transformer Terminal | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This contribution proposes to update use case description according to energy industry consideration and add new potential requirements | 0072r2 (new version)  (comments: Nokia)  Agreed as rev2 | Revised to S1-210441 |
| 12r | 7.09.1 | [S1-210441](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210441.zip) | CEPRI, ZTE Corporation, China Telecom | Update to 5.8 Smart Distribution Transformer Terminal | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210072 |  | Agreed |
| 13 | 7.09.1 | [S1-210157](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210157.zip) | Nokia, Nokia Shanghai Bell | Review of new requirements identified by 22.867 for 5.8 Use case of Smart Distribution Transformer Terminal | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This paper provides some review comments for the new requirements identified by use case “5.8 Use case of Smart Distribution Transformer Terminal”.If those requirements will be transferred to a TS most of their background information contained in the other sections of the use case will be lost, even if there will be some additional non-normative text added in the destination TS. For this reason, the author has deliberately taken the approach to first focus on the new requirements to see if they could be understood without having read the rest of the use case and provide comments from that perspective. | Merged in 0072r2, orig. version  (comments: ZTE) | Merged |
| 14 | 7.09.1 | [S1-210158](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210158.zip) | Nokia, Nokia Shanghai Bell | Review of new requirements identified by 22.867 for 5.9 Use case of isolation demand for energy applications | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This paper provides some review comments for the new requirements identified by use case "5.9 Use case of isolation demand for energy applications". If those requirements will be transferred to a TS most of their background information contained in the other sections of the use case will be lost, even if there will be some additional non-normative text added in the destination TS. For this reason, the author has deliberately taken the approach to first focus on the new requirements to see if they could be understood without having read the rest of the use case and provide comments from that perspective. | orig. version  (comments: ZTE)  Make rev1 to move the existing phrase rather than rephrasing.  Agreed as rev1. | Revised to S1-210442 |
| 14r | 7.09.1 | [S1-210442](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210442.zip) | Nokia, Nokia Shanghai Bell | Review of new requirements identified by 22.867 for 5.9 Use case of isolation demand for energy applications | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210158 |  | Agreed |
| 15 | 7.09.1 | [S1-210115](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210115.zip) | Samsung, EUTC | P-CR 22.267 clause 5.11 – QoS Reporting Requirement Update | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This P-CR reviews and revises QoS Reporting requirements in light of supported capabilities in OAM specifications. | S1-210115r1 source list => Samsung, EUTC, Orange, Nokia, Nokia Shanghai Bell, BMWi, EDF, Novamint  Agreed as rev4 | Revised to S1-210443 |
| 15r | 7.09.1 | [S1-210443](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210443.zip) | Samsung, EUTC | P-CR 22.267 clause 5.11 – QoS Reporting Requirement Update | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210115 |  | Agreed |
| 16 | 7.09.1 | [S1-210159](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210159.zip) | Nokia, Nokia Shanghai Bell | Review of new requirements identified by 22.867 for 5.12.2 Distribution Intelligence – FLISR (Fault Location, Isolation, and Service Restoration) | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This paper provides some review comments for the new requirements identified by use case “5.12.2 Distribution Intelligence – FLISR (Fault Location, Isolation, and Service Restoration)”. If those requirements will be transferred to a TS most of their background information contained in the other sections of the use case will be lost, even if there will be some additional non-normative text added in the destination TS. For this reason, the author has deliberately taken the approach to first focus on the new requirements to see if they could be understood without having read the rest of the use case and provide comments from that perspective. | orig. version | Agreed |
| 17 | 7.09.1 | [S1-210160](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210160.zip) | Nokia, Nokia Shanghai Bell | Review of new requirements identified by 22.867 for 5.12.3 High speed current differential protection | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This paper provides some review comments for the new requirements identified by use case “5.12.3 High speed current differential protection”. If those requirements will be transferred to a TS most of their background information contained in the other sections of the use case will be lost, even if there will be some additional non-normative text added in the destination TS. For this reason, the author has deliberately taken the approach to first focus on the new requirements to see if they could be understood without having read the rest of the use case and provide comments from that perspective. | orig. version | Agreed |
| 18 | 7.09.1 | [S1-210215](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210215.zip) | Qualcomm Incorporated | Smart Grid\_clarifications to requirements | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI |  | 0215r1 agreed | Revised to S1-210444 |
| 18r | 7.09.1 | [S1-210444](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210444.zip) | Qualcomm Incorporated | Smart Grid\_clarifications to requirements | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210215 |  | Agreed |
| 19 | 7.09.1 | [S1-210095](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210095.zip) | Huawei Technologies France | Update to the Use Case of supporting communication for the transmission of synchrophasors in wide-area smart grid | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Update to the Use Case of in chapter 5.13 | 0095r3  (comments: ZTE)  To provide Rev5: req5 to be removed and editor's note  Agreed as rev5. | Revised to S1-210445 |
| 19r | 7.09.1 | [S1-210445](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210445.zip) | Huawei Technologies France | S1-204xxx Update to the Use Case of supporting communication for the transmission of synchrophasors in wide-area smart grid | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210095 |  | Agreed |
| 20 | 7.09.1 | [S1-210212](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210212.zip) | Qualcomm Incorporated | Smart Grid\_Update to sec 5.13 | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI |  |  | Agreed |
| 22 | 7.09.1 | [S1-210087](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210087.zip) | Huawei Technologies Sweden AB | Use case on “Distributed Energy Resources and Micro-Grids” | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This document provides Text Proposal to TR 22.867 on the use cases of distributed energy resources. | Rev1 presented.  Qualcomm needs further internal checks.  Siemens and Nokia have concerns on the values proposed here.  Rev2 agreed | Revised to S1-210446 |
| 22r | 7.09.1 | [S1-210446](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210446.zip) | Huawei Technologies Sweden AB | Use case on “Distributed Energy Resources and Micro-Grids” | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210087 |  | Agreed |
| 23 | 7.09.1 | [S1-210096](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210096.zip) | Huawei Technologies France | Use Case for Protection of interconnection between renewable and utility grid | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | new use case: the Protection of interconnection between renewable and utility grid | 0096r4  (comments: ZTE)  Rev5: still concerns from ZTE about 5.x.6  To provide Rev6: to add Editor's note to say this is FFS.  Agreed as rev6. | Revised to S1-210447 |
| 23r | 7.09.1 | [S1-210447](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210447.zip) | Huawei Technologies France | Use Case for Protection of interconnection between renewable and utility grid | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210096 |  | Agreed |
| 24 | 7.09.1 | [S1-210097](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210097.zip) | Huawei Technologies France | Use Case of Utility Service Operator M2M service management platform in Smart Energy | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | new Use Case of Utility Service Operator M2M service management platform in Smart Energy | 0097r4 (new revision)  (comments: EUTC, Nokia)  Rev4: Agreed | Revised to S1-210448 |
| 24r | 7.09.1 | [S1-210448](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210448.zip) | Huawei Technologies France | Use Case of Utility Service Operator M2M service management platform in Smart Energy | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210097 |  | Agreed |
| 25 | 7.09.1 | [S1-210112](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210112.zip) | Samsung Electronics GmbH | 22.867 P-CR: Bulk Operations for deploying UEs for Smart Energy Use Case | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | DSOs have typically a large number of cellular based devices in the field. This use case highlights how critical bulk operations of 5G services are to Deployment, Operation and Maintenance. An appropriate interface with the MNO is required in order to guarantee security, efficiency and accurary in the Configuration and Change Management processes. | S1-210112r1 source list => Samsung, EUTC, Orange, Nokia, Nokia Shanghai Bell, BMWi, EDF, Novamint  Rev2 presented: for Huawei, this is not needed.  More off-line discussions needed. | Noted |
| 26 | 7.09.1 | [S1-210116](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210116.zip) | Samsung, EUTC | 22.876 P-CR: Coordination for Energy Recovery Use Case | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | DSOs need to rely on highly available communication technologies able to provide access to Smart Grid assets especially in power outage situations. When the access technology to Smart Grid assets participating in the service recovery is 3GPP Public cellular, there is a strong mutual dependence between DSO and MNO. In the event of an outage, the possibility to have a standard communication flow between the DSO and MNO will enable coordination between parties resulting in an orderly and efficient recovery. | S1-210116r1 source list => Samsung, EUTC, Orange, Nokia, Nokia Shanghai Bell, BMWi, EDF, Novamint, Telecom Italia  Rev2 is agreed | Revised to S1-210449 |
| 26r | 7.09.1 | [S1-210449](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210449.zip) | Samsung, EUTC | 22.876 P-CR: Coordination for Energy Recovery Use Case | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210116 |  | Agreed |
| 27 | 7.09.1 | [S1-210161](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210161.zip) | Nokia, Nokia Shanghai Bell | Use case on applications using IEC 61850-9-2 sampled values | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | This contribution proposes a use case for applications using IEC 61850-9-2 sampled values. This contribution has been prepared in collaboration with ABB Group’s Design Architect, Petri Syväluoma and Research Program Manager Petri Hovila. | Rev1 presented.  Terminology changes needed to align to the new non-offensive 3GPP rules.  Rev4 agreed | Revised to S1-210450 |
| 27r | 7.09.1 | [S1-210450](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210450.zip) | Nokia, Nokia Shanghai Bell | Use case on applications using IEC 61850-9-2 sampled values | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210161 |  | Agreed |
| 28 | 7.09.1 | [S1-210171](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210171.zip) | Ericsson | Use Case of power distribution grid state estimation service | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI |  | 0171r2 agreed | Revised to S1-210451 |
| 28r | 7.09.1 | [S1-210451](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210451.zip) | Ericsson | Use Case of power distribution grid state estimation service | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210171 |  | Agreed |
| 29 | 7.09.1 | [S1-210174](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210174.zip) | Ericsson | Use Case of power distribution grid load and generation prediction service | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI |  | 0174r2 agreed | Revised to S1-210452 |
| 29r | 7.09.1 | [S1-210452](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210452.zip) | Ericsson | Use Case of power distribution grid load and generation prediction service | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210174 |  | Agreed |
| 30 | 7.09.1 | [S1-210176](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210176.zip) | Ericsson | Use Case of power distribution grid power control service | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI |  | 0176r3 agreed | Revised to S1-210453 |
| 30r | 7.09.1 | [S1-210453](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210453.zip) | Ericsson | Use Case of power distribution grid power control service | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210176 |  | Agreed |
| 31 | 7.09.1 | [S1-210177](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210177.zip) | Ericsson | Use Case of ensuring uninterrupted MTC service availability during emergencies | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI |  | 0177r5 agreed | Revised to S1-210454 |
| 31r | 7.09.1 | [S1-210454](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210454.zip) | Ericsson | Use Case of ensuring uninterrupted MTC service availability during emergencies | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210177 |  | Agreed |
| 32 | 7.09.1 | [S1-210185](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210185.zip) | Ericsson | Edge cloud driven data acquisition (edgePMU) | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI |  | 0185r5 agreed | Revised to S1-210455 |
| 32r | 7.09.1 | [S1-210455](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210455.zip) | Ericsson | Edge cloud driven data acquisition (edgePMU) | pCR | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210185 |  | Agreed |
| 01 | 7.09.2 | [S1-210310](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210310.zip) | Rapporteur (China Telecom) | TR22.867v0.3.0 to include agreements at this meeting | TR | 22.867 |  |  |  | 0.3.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02 | 7.09.2 | [S1-210163](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210163.zip) | China Telecomunication Corp. | Presentation of Specification/Report to TSG: TR 22.867, Version 0.3.0 | TS or TR cover | 22.867 |  |  |  | 0.3.0 | Rel-18 | FS\_5GSEI | Aimed to drive new TS based on related works. The smart grid related chapter in TS 22.104 could be organically moved to the new TS, if necessary. | For information, 75%. | Revised to S1-210456 |
| 02r | 7.09.2 | [S1-210456](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210456.zip) | China Telecomunication Corp. | Presentation of Specification/Report to TSG: TR 22.867, Version 0.3.0 | TS or TR cover | 22.867 |  |  |  | 0.2.0 | Rel-18 | FS\_5GSEI | Replaces S1-210163 |  | Agreed |
| 03 | 7.10.1 | [S1-210073](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210073.zip) | ZTE Corporation, Xiaomi | clean up definition | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | This proposal is to clean up several definitions in the clause 3.1 of TR22.855 | Charter Communications think that some definitions are still seen as unclear but would not object.  LG and Qualcomm propose further improvements, to be sent by e-mail.  Rev1 presented:  The definition for "Ranging accuracy" has been revised.  This is now acceptable. | Revised to S1-210457 |
| 03r | 7.10.1 | [S1-210457](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210457.zip) | ZTE Corporation, Xiaomi | clean up definition | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210073 |  | Agreed |
| 05 | 7.10.1 | [S1-210129](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210129.zip) | Huawei, Hisilicon | Editorial change on use case finding pets in a long distance | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging |  |  | Agreed |
| 06 | 7.10.1 | [S1-210145](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210145.zip) | OPPO | updated Ranging use case - Touchless self-checkout machine control | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging |  | 0145r1 agreed | Revised to S1-210458 |
| 06r | 7.10.1 | [S1-210458](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210458.zip) | OPPO | updated Ranging use case - Touchless self-checkout machine control | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210145 |  | Agreed |
| 07 | 7.10.1 | [S1-210190](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210190.zip) | Xiaomi Communications | Ranging-use case update-enable disable ranging and ranging interval | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging |  | 0190r3 agreed | Revised to S1-210459 |
| 07r | 7.10.1 | [S1-210459](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210459.zip) | Xiaomi Communications | Ranging-use case update-enable disable ranging and ranging interval | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210190 |  | Agreed |
| 09 | 7.10.1 | [S1-210074](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210074.zip) | ZTE Corporation, Xiaomi | UC of power efficient ranging operation | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | This contribution proposes a new use case for power efficient ranging operation. | Rev3 presented:  [PR.5.x.6 -2] is not correct grammatically and not understandable.  For Qualcomm, it is not "The 5G UE shall be able" but the 5GS.  The whole requirement [PR.5.x.6 -2] has no support and should not be introduced.  This is acceptable by ZTE.  The Rev4 will remove [PR.5.x.6 -2]. | Revised to S1-210460 |
| 09r | 7.10.1 | [S1-210460](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210460.zip) | ZTE Corporation, Xiaomi | UC of power efficient ranging operation | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210074 |  | Agreed |
| 10 | 7.10.1 | [S1-210130](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210130.zip) | Huawei, Hisilicon | New use case: Immersive sound based on coordinated ranging | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | This document proposes a new use case about how to provide immersive sound based on multiple-UE ranging. | Rev2 presented.  More discussions needed  Rev3: no objection  Agreed as rev3. | Revised to S1-210461 |
| 10r | 7.10.1 | [S1-210461](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210461.zip) | Huawei, Hisilicon | New use case: Immersive sound based on coordinated ranging | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210130 |  | Agreed |
| 11 | 7.10.1 | [S1-210138](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210138.zip) | Samsung Electronics GmbH | 22.855 P-CR: Object Finding and Tracking Use Case | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | This use case for the Ranging study item considers finding and tracking objects. | 0138r1 agreed | Revised to S1-210462 |
| 11r | 7.10.1 | [S1-210462](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210462.zip) | Samsung Electronics GmbH | 22.855 P-CR: Object Finding and Tracking Use Case | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210138 |  | Agreed |
| 12 | 7.10.1 | [S1-210271](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210271.zip) | Philips International B.V. | New use case on clustering of devices | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | This contribution proposes a new use case for TR 22.855 on emergency response solution, with 4 new proposed requirements. | Rev1 presented:  For Ericsson and Qualcomm, this is about an application for ranging. This is not something to specify in 3GPP.  Philips explained that the grouping might not be possible to be done at the application level.  More discussions needed.  Rev3: no objection  Agreed as rev3. | Revised to S1-210463 |
| 12r | 7.10.1 | [S1-210463](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210463.zip) | Philips International B.V. | New use case on clustering of devices | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210271 |  | Agreed |
| 13 | 7.10.1 | [S1-210272](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210272.zip) | Philips International B.V. | New use case on tracking of device position | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | This contribution proposes a new use case for TR 22.855 on emergency response solution. A new section is proposed on Tracking of devices, with 4 new proposed requirements. | Rev3 presented.  For Qualcomm, the text has to be rewritten, e.g. to separate examples from actual requirements.  For Ericsson, "stationary" versus "moving" UE will be difficult to judge if not done at the application level.  Rev4 agreed. | Revised to S1-210464 |
| 13r | 7.10.1 | [S1-210464](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210464.zip) | Philips International B.V. | New use case on tracking of device position | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210272 |  | Agreed |
| 14 | 7.10.1 | [S1-210192](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210192.zip) | Xiaomi Communications | Ranging-use cases new-remote Access Right authorization | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | A new use case is proposed for Ranging. | Rev5 presented  The definition should be deleted  "[PR 5.x.6-3] The 5G system shall be able to support ranging discovery." To be deleted too  The note can be deleted too  For Ericsson, the entire use case is an example of an application.  ETSI MCC complained about the format of the document: no abstract, no title for the new section, section entirely new but not shown as such, some text proposed to be deleted shown as added, etc.  More discussions neeed. | Revised to S1-210465 |
| 14r | 7.10.1 | [S1-210465](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210465.zip) | Xiaomi Communications | Ranging-use cases new-remote Access Right authorization | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210192 |  | Agreed |
| 15 | 7.10.1 | [S1-210196](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210196.zip) | Xiaomi Communications | Ranging-use cases new-Sharing content to a particular UE | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging |  | 0196r7 agreed | Revised to S1-210466 |
| 15r | 7.10.1 | [S1-210466](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210466.zip) | Xiaomi Communications | Ranging-use cases new-Sharing content to a particular UE | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210196 |  | Agreed |
| 17 | 7.10.1 | [S1-210017](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210017.zip) | Beijing Xiaomi Mobile Software | FS\_Ranging conclusions and recommendations | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging |  | orig. version | Agreed |
| 18 | 7.10.1 | [S1-210018](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210018.zip) | Beijing Xiaomi Mobile Software | FS\_Ranging consolidated requirements | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging |  | 018r1 agreed | Revised to S1-210467 |
| 18r | 7.10.1 | [S1-210467](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210467.zip) | Beijing Xiaomi Mobile Software | FS\_Ranging consolidated requirements | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210018 |  | Agreed |
| 01 | 7.10.2 | [S1-210311](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210311.zip) | Rapporteur (Xiaomi) | TR22.855v0.3.0 to include agreements at this meeting | TR | 22.855 |  |  |  | 0.3.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02 | 7.10.2 | [S1-210021](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210021.zip) | Beijing Xiaomi Mobile Software | Presentation of TR22855 | TS or TR cover | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging |  | To be sent for information, 85% complete | Revised to S1-210468 |
| 02r | 7.10.2 | [S1-210468](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210468.zip) | Beijing Xiaomi Mobile Software | Presentation of TR22855 | TS or TR cover | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_Ranging | Replaces S1-210021 |  | Agreed |
| 03 | 7.10.2 | [S1-210128](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210128.zip) | Huawei, Hisilicon | Editorial change on use case finding pets in a long distance | pCR | 22.855 |  |  |  | 0.2.0 | Rel-18 | FS\_MMTELin5G, FS\_Ranging |  |  | Withdrawn |
| 03 | 7.11.1 | S1-210295 | TNO | Slides on Resident terminology | Discussion |  |  |  |  |  |  |  | SA1 agreed at its last meeting on the terms "PRAS" – Premises Radio Access Station. There are two contributions to do a clean up of existing text in the TR.  There is now a suggestion to use "CPN base station" instead of "PRAS".  We need to decide on terminology, whether CPN base station or PRAS, and not introduce different terminology in different places in the TR.  There are also related questions. | For Qualcomm, "PRAS" should be used. About the other questions, they are not terminology-related, and they need further discussions.  For InterDigital, the question should anyway be between "PRAS" and "CPN BS".  For DT, Q2 (Is a PRAS providing (a) NR access or (b) could it also be non-3GPP access (only)), the question can be extended to: Is it for licensed spectrum or also unlicensed spectrum? For Apple, the issue of non-3GPP access also has to be solved.  For Nokia and Huawei, using "BS" in "CPN BS" might misleadingly hint that the device at home is a full "Base Station", when it is not.  But Qualcomm pointed out that "BS" is already used in the "PRAS" definition.  Huawei also wonder if PRAS provide unlicensed spectrum.  For LGEm it is not clear how the PRAS is seen by the UE.  About PRAS vs CPN BS:  14 companies prefer PRAS: KPN, Charter Comm, InterDigital, Huawei, China Telecom, ChinaUnicom, Samsung, Nokia, DT, Ericsson, Intel, Telefonica, Vodafone, Huawei, Orange  1 company prefers CPN BS: Qualcomm  Conclusion: PRAS is to be continued to be used.  Apple, Vivo prefer to have a new thread created on the questions. | Noted |
| 04 | 7.11.1 | [S1-210123](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210123.zip) | KPN N.V. | Definition of customer premises network | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident |  | 123r1 agreed | Revised to S1-210469 |
| 04r | 7.11.1 | [S1-210469](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210469.zip) | KPN N.V. | Definition of customer premises network | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210123 |  | Agreed |
| 05 | 7.11.1 | [S1-210173](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210173.zip) | KPN N.V. | 22.858 terminology clean up | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Clean up of terminology according to agreed definitions of PRAS and eRG. |  | Agreed |
| 06 | 7.11.1 | [S1-210063](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210063.zip) | Huawei, Hisilicon | Update the figures in Clause 5.4, 5.5 and 5.6 with correct terminologies | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This paper proposes to update the figures in Clause 5.4,5.5 and 5.6 with correct terminologies and remove the ENs. |  | Agreed |
| 08 | 7.11.1 | [S1-210064](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210064.zip) | Huawei, Hisilicon, KPN | Update use case 5.2: Service restriction for visitor access scenario | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This paper proposes to update clause 5.2 to include the scenario of service restriction for visitor access. | 0064r4 agreed | Revised to S1-210470 |
| 08r | 7.11.1 | [S1-210470](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210470.zip) | Huawei, Hisilicon, KPN | Update use case 5.2: Service restriction for visitor access scenario | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210064 |  | Agreed |
| 09 | 7.11.1 | [S1-210170](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210170.zip) | OTD | FS\_Resident Additional requirement for use case | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This document includes an additional requirement to support the use case of clause 5.2.6. | 0170r3 agreed | Revised to S1-210471 |
| 09r | 7.11.1 | [S1-210471](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210471.zip) | OTD | FS\_Resident Additional requirement for use case | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210170 |  | Agreed |
| 10 | 7.11.1 | [S1-210016](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210016.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 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This document proposes to resolve the Editor’s Note in clause 5.10.6. The requirement is aligned with related requirements in other clauses of the TR. | S1-210016r2 agreed | Revised to S1-210472 |
| 10r | 7.11.1 | [S1-210472](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210472.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 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210016 |  | Agreed |
| 11 | 7.11.1 | [S1-210254](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210254.zip) | Nokia, Nokia Shanghai Bell | FS\_RESIDENT: update of use case 5.10 | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Updating the requirements of use case 5.10, as they already exist. | Merged into 016r2. 0016 and 0254 overlap and this could not be solved online.  A consistent approach should be followed about mentioning or not Stage 2 background. It is presently done for some parts but not other ones.  InterDigital and Nokia will work together for a consistent approach. | Merged |
| 12 | 7.11.1 | [S1-210231](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210231.zip) | Intel | Update Use case 5.11 for UE security and privacy | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Update Use case 5.11 for UE security and privacy | 0231r3 (new version)  (o: Nokia)  Rev3: Nokia has concern with the wording. For Nokia, Ericsson and Huawei, this cannot be solved with an editor's note. The entire requirements, including the concepts, have to be considered. To be further progressed in between meetings.  Intel and InterDigital pointed out that this is an already existing case.  For the Rapporteur (KPN), the existing text would stay if this is not accepted.  Conclusion: the text reminds as such at this stage but a conference call will take place after the meeting to rewrite the entire use case.  To produce rev4 to have only an editor's note stating that the concept will be reconsidered to prevent overlap with existing architectural concepts.  Agreed as rev 4. | Revised to S1-210473 |
| 12r | 7.11.1 | [S1-210473](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210473.zip) | Intel | Update Use case 5.11 for UE security and privacy | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210231 |  | Agreed |
| 14 | 7.11.1 | [S1-210013](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210013.zip) | InterDigital, KPN, vivo Mobile Communications Co. LTD. | FS\_Resident: New use case on Local control of PRASs connectivity for UEs access to a device in a CPN | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident |  | 0013r4  (comments: Qualcomm)  Agreed as rev 4. | Revised to S1-210474 |
| 14r | 7.11.1 | [S1-210474](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210474.zip) | InterDigital, KPN, vivo Mobile Communications Co. LTD. | FS\_Resident: New use case on Local control of PRASs connectivity for UEs access to a device in a CPN | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210013 |  | Agreed |
| 15 | 7.11.1 | [S1-210028](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210028.zip) | Spreadtrum Communications | New use case on IP traffic offload | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This document proposes a new use case for the study item FS\_Resident on IP traffic offload in 3GPP TR 22.858 version 0.2.0. | 0028r2 agreed | Revised to S1-210475 |
| 15r | 7.11.1 | [S1-210475](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210475.zip) | Spreadtrum Communications | New use case on IP traffic offload | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210028 |  | Agreed |
| 16 | 7.11.1 | [S1-210029](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210029.zip) | Spreadtrum Communications | New use case on local access control | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This document proposes a new use case for the study item FS\_Resident on local access control in PRAS in 3GPP TR 22.858 version 0.2.0. | Merged into 222r5 | Merged |
| 17 | 7.11.1 | [S1-210030](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210030.zip) | Spreadtrum Communications | New use case on RAN sharing | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This document proposes a new use case the study item FS\_Resident on RAN sharing for PRAS in 3GPP TR 22.858 version 0.2.0. | 0030r5 agreed | Revised to S1-210476 |
| 17r | 7.11.1 | [S1-210476](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210476.zip) | Spreadtrum Communications | New use case on RAN sharing | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210030 |  | Agreed |
| 18 | 7.11.1 | [S1-210066](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210066.zip) | Huawei, Hisilicon | New Use Case of User Level Granularity Multicast Service Access Control | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This paper proposes a new use case of user level granularity multicast service access control. | Rev3 presented.  Concerns about the use case and requirements (in 5.x.6) as a whole. The moderator asks for a show of hands if this is workable.  Support for this: Futurewei, Huawei  No support: LGE, Nokia, Qualcomm, Ericsson  Conclusion: there is a majority of delegates who see this as out-of-scope  Rev4 agreed | Revised to S1-210477 |
| 18r | 7.11.1 | [S1-210477](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210477.zip) | Huawei, Hisilicon | New Use Case of User Level Granularity Multicast Service Access Control | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210066 |  | Agreed |
| 19 | 7.11.1 | [S1-210152](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210152.zip) | China Telecom Corporation Ltd. | Use case on the connection of 5G LAN with fixed IP VPN | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This contribution presents the use case on the connection of 5G LAN with fixed IP VPN for the FS\_Resident. | Rev2 presented.  Some delegates mentioned that the requirements in 5.x.6 are already covered.  Another show of hands is requested.  Support this contribution: KPN, China Telecom  Does not support: LGE, Nokia  Conclusion: no agreement to go forward  For KPN, what is proposed here is clearly a part of the objective as specified in the SID. They propose a note to say that this is already covered by SA2.  For Nokia, req. 1 is clearly out-of-scope of 3GPP.  InterDigital support the use case but they are not sure how they translate in new requirements.  As a compromise, KPN propose to keep only the 2nd requirement.  This would be acceptable for Nokia with rewording.  Agreed as rev4 | Revised to S1-210478 |
| 19r | 7.11.1 | [S1-210478](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210478.zip) | China Telecom Corporation Ltd. | Use case on the connection of 5G LAN with fixed IP VPN | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210152 |  | Agreed |
| 20 | 7.11.1 | [S1-210221](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210221.zip) | Apple | New use case: Loss of connectivity between eRG or PRAS and 5GC | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident |  | 221r3 Agreed | Revised to S1-210479 |
| 20r | 7.11.1 | [S1-210479](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210479.zip) | Apple | New use case: Loss of connectivity between eRG or PRAS and 5GC | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210221 |  | Agreed |
| 21 | 7.11.1 | [S1-210222](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210222.zip) | KPN N.V. | Control of Customer Premises Network by Authorised Administrator | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | This pCR proposes a new use case for 22.858. It also proposes a definition for Authorised Administrator and applies that definition for requirements in the existing use case 5.7. | Rev2 presented.  Similar concern as in 0152 about if this is in scope or not of 3GPP.  For Nokia, this is not stable yet. More discussions needed.  Rev5 Agreed | Revised to S1-210480 |
| 21r | 7.11.1 | [S1-210480](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210480.zip) | KPN N.V. | Control of Customer Premises Network by Authorised Administrator | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210222 |  | Agreed |
| 22 | 7.11.1 | [S1-210236](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210236.zip) | Intel | Enable support for user centric identifiers and authentication in Residential | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Enable support for user centric identifiers and authentication in Residential | Rev3 presented.  The moderator informed that there were still several concerns.  Qualcomm stated that indeed, their concerns are still in rev3, e.g. on the term "PIN". Also the PRAS, which they see as a Base Station, seem to be able to get a SIM – so they see the PRAS as an unclear concept.  For DT, this is pointing to a particular solution.  For Huawei, the concerns are on the "IdP" which they still see as an unclear concept. The mechanism of the provisioning part should also be clarified.  Rev6: For Nokia and Qualcomm, the potential requirements need to be rewritten in a clearer way.  Intel's proposal: have the Use case without the requirements and Editor's note and minute that the requirements will have to be further clarified in between meetings.  There is no support from Nokia and Qualcomm on this approach, who prefer to have everything moved to next meeting.  This use case needs to be discussed, coordinated among compnaies for contribution in the next meting.  Noted. New number needed. | Revised to S1-210481 |
| 22r | 7.11.1 | [S1-210481](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210481.zip) | Intel | Enable support for user centric identifiers and authentication in Residential | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210236 |  | Noted |
| 23 | 7.11.1 | [S1-210252](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210252.zip) | vivo Mobile Com. (Chongqing) | Use case:eRG supporting Multiple connectivity | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident |  | 0252r4  (comments: Nokia)  To provide Rev6: to remove the "-" in "5G-Core Network" in 5.x.6  Agreed as rev6. | Revised to S1-210482 |
| 23r | 7.11.1 | [S1-210482](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210482.zip) | vivo Mobile Com. (Chongqing) | Use case:eRG supporting Multiple connectivity | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210252 |  | Agreed |
| 24 | 7.11.1 | [S1-210255](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210255.zip) | Nokia, Nokia Shanghai Bell | FS\_RESIDENT: new use case on untethering | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident |  |  | Noted |
| 25 | 7.11.1 | [S1-210258](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210258.zip) | InterDigital | FS\_Resident: Use case on enabling minimum user interaction for a mobile evolved residential gateway | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Add: Use case: enabling minimum user interaction for a relocated evolved residential gateway | 0258r5 (new version)  (o: Nokia)  Rev5 on last day: still not stable at least for the requirement part, at least for Nokia, Huawei and Qualcomm.  Deleting the requirements  Also to be discussed after the meeting.  Noted. New number needed. | Revised to S1-210483 |
| 25r | 7.11.1 | [S1-210483](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210483.zip) | InterDigital | FS\_Resident: Use case on enabling minimum user interaction for a mobile evolved residential gateway | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210258 |  | Noted |
| 26 | 7.11.1 | [S1-210260](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210260.zip) | InterDigital | FS\_Resident: Use case on seamless and low latency access for a remote UE in residential network | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident |  | 0260r5  (o:Huawei, Nokia)  Rev6: same as S1-210258r5. Nokia and LG see it as potentially out-of-scope.  KPN (rapporteur) propose to add "secure" to be added to req 1.  For Huawei, the use case is OK but they have concern with the wording of the requirements.  Vivo support this paper.  No consensus.  To be continued after the meeting.  Noted. New number needed. | Revised to S1-210484 |
| 26r | 7.11.1 | [S1-210484](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210484.zip) | InterDigital | FS\_Resident: Use case on seamless and low latency access for a remote UE in residential network | pCR | 22.858 |  |  |  | 0.2.0 | Rel-18 | FS\_Resident | Replaces S1-210260 |  | Noted |
| 01 | 7.11.2 | [S1-210312](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210312.zip) | Rapporteur (KPN) | Cover page for presentation of TR22.855v0.3.0 | CP |  |  |  |  |  |  |  |  | 75% complete, for information. | Revised to S1-210485 |
| 02 | 7.11.2 | [S1-210313](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210313.zip) | Rapporteur (KPN) | TR22.858v0.3.0 to include agreements at this meeting | TR | 22.858 |  |  |  | 0.3.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02r | 7.11.2 | [S1-210485](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210485.zip) | Rapporteur (KPN) | Cover page for presentation of TR22.855v0.3.0 | CP |  |  |  |  |  |  |  | Replaces S1-210312 |  | Agreed |
| 03 | 7.12.1 | S1-210294 | vivo Mobile Communications Co. LTD | Clarifications on PIN & Resident terminology | Discussion |  |  |  |  |  |  |  | "PIN Device" was changed to "PIN Element": there is a request to revert back to "PIN Device".  Linked to 238. | PIN Device: Sony, Qualcomm, Intel, Orange  PIN Element: KPN, Huawei, Ericsson, Futurewei, Philips, InterDigital, Vodafone, Convida  Conclusion: "PIN Element" is preferred.  On the other proposals, a thread will be opened. | Noted |
| 04 | 7.12.1 | [S1-210238](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210238.zip) | vivo Mobile Com. (Chongqing), InterDigital, Intel | FS\_PIN: Definition update | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | See related presentation in 294. | orig. contribution  (o: Phillips)  Rev1: no concern. "SA1#94" to be replaced by "SA1#93".  Agreed as rev2. | Revised to S1-210486 |
| 04r | 7.12.1 | [S1-210486](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210486.zip) | vivo Mobile Com. (Chongqing), InterDigital, Intel | FS\_PIN: Definition update | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210238 |  | Agreed |
| 05 | 7.12.1 | [S1-210239](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210239.zip) | vivo Mobile Com. (Chongqing), InterDigital | FS\_PIN: Definition update – PIN Element | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 0239r1 agreed | Revised to S1-210487 |
| 05r | 7.12.1 | [S1-210487](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210487.zip) | vivo Mobile Com. (Chongqing), InterDigital | FS\_PIN: Definition update – PIN Element | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210239 |  | Agreed |
| 06 | 7.12.1 | [S1-210268](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210268.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Overview update – add diagrams | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 0268 r1 agreed | Revised to S1-210488 |
| 06r | 7.12.1 | [S1-210488](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210488.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Overview update – add diagrams | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210268 | Mistake when producing the tdoc (wrong implementation). | Revised to S1-210531 |
| 06rr | 7.12.1 | [S1-210531](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210531.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Overview update – add diagrams | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210488 |  | Agreed |
| 07 | 7.12.1 | [S1-210243](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210243.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Considerations | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | orig. version  (comments: Nokia)  Agreed as rev1 | Revised to S1-210489 |
| 07r | 7.12.1 | [S1-210489](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210489.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Considerations | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210243 |  | Agreed |
| 09 | 7.12.1 | [S1-210241](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210241.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Use case update: “inhome” – add coverage / connectivity requirements | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 0241r9 agreed | Revised to S1-210490 |
| 09r | 7.12.1 | [S1-210490](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210490.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Use case update: “inhome” – add coverage / connectivity requirements | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210241 |  | Agreed |
| 10 | 7.12.1 | [S1-210245](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210245.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Use case update – Positioning with VR and AR | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 0245r3 agreed | Revised to S1-210491 |
| 10r | 7.12.1 | [S1-210491](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210491.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Use case update – Positioning with VR and AR | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210245 |  | Agreed |
| 11 | 7.12.1 | [S1-210137](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210137.zip) | Samsung Electronics GmbH | 22.859 P-CR: 5.3 Requirements update | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Requirements for communication between PIN devices and groups of PIN devices were added to use case 5.3 “Media Share within PINs”. These appear to correspond to existing requirements. If there is a difference this should be identified clearly. | 0137r1 agreed | Revised to S1-210492 |
| 11r | 7.12.1 | [S1-210492](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210492.zip) | Samsung Electronics GmbH | 22.859 P-CR: 5.3 Requirements update | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210137 |  | Agreed |
| 12 | 7.12.1 | [S1-210172](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210172.zip) | OTD | FS\_PIN Additional requirement for use case | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | This document includes an additional requirement to support the use case of clause 5.5.6. | orig. version  (o: Nokia)  Concerns from Nokia still not solved on the last day. | Noted |
| 13 | 7.12.1 | [S1-210229](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210229.zip) | Intel | Enable support for user centric identifiers and authentication in PIN and Residential | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Enable support for user centric identifiers and authentication in PIN and Residential |  | Noted |
| 14 | 7.12.1 | [S1-210078](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210078.zip) | InterDigital | FS\_PIN: Resolving Editor's Notes on the Use Case UE accessing PIN applications hosted by gateways | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 0078r3  (comments: Nokia)  Rev3: An editor's note was added to state that the term “Service Hosting Environment” will be reconsidered to prevent overlap with existing architectural concepts.  Nokia think the entire concept of “Service Hosting Environment” needs also to be in the off-line call (same as for "resident").  InterDigital, also here, pointed out that some text is already there.  To produce rev4: The compromise is to keep only the introductory editor's note ("Editor’s Note:The term “Service Hosting Environment” will be reconsidered to prevent overlap with existing architectural concepts.").  Agreed as rev4. | Revised to S1-210493 |
| 14r | 7.12.1 | [S1-210493](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210493.zip) | InterDigital | FS\_PIN: Resolving Editor's Notes on the Use Case UE accessing PIN applications hosted by gateways | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210078 |  | Agreed |
| 15 | 7.12.1 | [S1-210242](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210242.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Use case update: The Tour Guide | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 0242r3 agreed | Revised to S1-210494 |
| 15r | 7.12.1 | [S1-210494](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210494.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: Use case update: The Tour Guide | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210242 |  | Agreed |
| 16 | 7.12.1 | [S1-210253](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210253.zip) | KPN N.V. | Update of use case 5.8 support of broadcast-based service discovery | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 0253r1 agreed | Revised to S1-210495 |
| 16r | 7.12.1 | [S1-210495](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210495.zip) | KPN N.V. | Update of use case 5.8 support of broadcast-based service discovery | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210253 |  | Agreed |
| 18 | 7.12.1 | [S1-210121](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210121.zip) | Futurewei, Philips | New Use case for FS\_PIN: dynamic creation of an on-demand 5G PIN Non-Public-network at home | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | This document describes a new use case and potential requirements, as part of the FS\_PIN study. | 0121r3  (o: Nokia)  Rev4:  No requirements in the final version, just editor's note.  Still some concerns from Nokia about a different handling of the PINs.  Vivo and Intel support Futurwei's proposal.  Nokia is fine.  Agreed as rev4. | Revised to S1-210496 |
| 18r | 7.12.1 | [S1-210496](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210496.zip) | Futurewei, Philips | New Use case for FS\_PIN: dynamic creation of an on-demand 5G PIN Non-Public-network at home | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210121 |  | Agreed |
| 19 | 7.12.1 | [S1-210140](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210140.zip) | Lenovo, Motorola Mobility, Vivo, Broadcom | New use case: Supporting PIoT Aggregation Services | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 0140r4  (comments: DT, Ericsson) | Noted |
| 20 | 7.12.1 | [S1-210246](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210246.zip) | vivo Mobile Com. (Chongqing), Intel | FS\_PIN: New use case: Smart Dog Collar | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 0246r10 agreed | Revised to S1-210497 |
| 20r | 7.12.1 | [S1-210497](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210497.zip) | vivo Mobile Com. (Chongqing), Intel | FS\_PIN: New use case: Smart Dog Collar | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210246 |  | Agreed |
| 21 | 7.12.1 | [S1-210261](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210261.zip) | KPN N.V. | Shared use of credentials | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | Still concerns on 0261r4. | Noted |
| 22 | 7.12.1 | [S1-210237](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210237.zip) | vivo Mobile Com. (Chongqing) | FS\_PIN: New Use case: PIN enhanced “New use case on Local control of PRASs connectivity for UEs access to a device in a CPN” | pCR | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  |  | Noted |
| 01 | 7.12.2 | [S1-210314](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210314.zip) | Rapporteur (vivo) | TR22.859 v0.3.0 to include agreements at this meeting | TR | 22.859 |  |  |  | 0.3.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02 | 7.12.2 | [S1-210247](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210247.zip) | vivo Mobile Com. (Chongqing) | Presentation of Specification/Report to TSG: TR 22.859, Version 1.0.0 | TS or TR cover | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN |  | 75% complete, for information | Revised to S1-210498 |
| 02r | 7.12.2 | [S1-210498](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210498.zip) | vivo Mobile Com. (Chongqing) | Presentation of Specification/Report to TSG: TR 22.859, Version 1.0.0 | TS or TR cover | 22.859 |  |  |  | 0.2.0 | Rel-18 | FS\_PIN | Replaces S1-210247 |  | Agreed |
| 03 | 7.13.1 | [S1-210223](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210223.zip) | Intel | Definition for PALS | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | This PCR proposed to clarify the definition of PALS service and PALS network. | Rev3 presented, now stating:  PALS network: a public or non public network providing UEs local access to PALS services.  PALS service: a service offered to UEs by a network operator or a 3rd party via a PALS network.  For Nokia, "by a network operator or a 3rd party" can be removed.  It ends up looking like a circular definition between the two terms.  More work is needed on this topic, to be continued by e-mail.  Terminology should use the common 3GPP terms, e.g. HPLMN, etc, and avoid specific (non-defined) terms like "hosting network". | Noted |
| 04 | 7.13.1 | [S1-210224](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210224.zip) | Intel | Interworking scenarios for PALS | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | propose to clarify the interworking scenarios for PALS in TR22.844 | 0224r4 agreed | Revised to S1-210499 |
| 04r | 7.13.1 | [S1-210499](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210499.zip) | Intel | Interworking scenarios for PALS | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Replaces S1-210224 |  | Agreed |
| 06 | 7.13.1 | [S1-210056](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210056.zip) | LG Electronics Inc. | FS\_PALS update of section | discussion |  |  |  |  |  |  |  | This contribution proposes update to section 5.2 | 0056r2 agreed | Revised to S1-210500 |
| 06r | 7.13.1 | [S1-210500](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210500.zip) | LG Electronics Inc. | FS\_PALS update of section | discussion |  |  |  |  |  |  |  | Replaces S1-210056 |  | Agreed |
| 07 | 7.13.1 | [S1-210225](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210225.zip) | Intel | Updates of Use case 5.3 for accessing home network service via PALS network | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Updates of Use case 5.3 | 0225r3 agreed | Revised to S1-210501 |
| 07r | 7.13.1 | [S1-210501](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210501.zip) | Intel | Updates of Use case 5.3 for accessing home network service via PALS network | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Replaces S1-210225 |  | Agreed |
| 08 | 7.13.1 | [S1-210227](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210227.zip) | Intel | Updates of Use case 5.4 for on demand PALS services | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Updates of Use case 5.4 for on demand PALS services | Rev3 agreed. | Revised to S1-210502 |
| 08r | 7.13.1 | [S1-210502](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210502.zip) | Intel | Updates of Use case 5.4 for on demand PALS services | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Replaces S1-210227 |  | Agreed |
| 09 | 7.13.1 | [S1-210194](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210194.zip) | Qualcomm Incorporated | Update to Discovery and access use case | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | This document describes a use case and (possible) potential requirements, as part of the FS\_PALS study. | Rev4 presented: still some concern on the terminology, in particular for Nokia e.g. on "configure a UE", which should be avoided.  Renumberring of the requirements needed. They also have concerns about the use of "roaming UE" (general comment on this agenda item).  Rev7 agreed. | Revised to S1-210503 |
| 09r | 7.13.1 | [S1-210503](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210503.zip) | Qualcomm Incorporated | Update to Discovery and access use case | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Replaces S1-210194 |  | Agreed |
| 10 | 7.13.1 | [S1-210193](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210193.zip) | Qualcomm Incorporated | Update to In venue registration use case | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | This document describes a use case and (possible) potential requirements, as part of the FS\_PALS study. | 0193r3 agreed | Revised to S1-210504 |
| 10r | 7.13.1 | [S1-210504](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210504.zip) | Qualcomm Incorporated | Update to In venue registration use case | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Replaces S1-210193 |  | Agreed |
| 11 | 7.13.1 | [S1-210079](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210079.zip) | InterDigital | FS\_PALS: Update to the Use Case Hosting network deployment for a temporary event | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | This document proposes an update of the use case on “Hosting network deployment for a temporary event”. | Rev1 agreeable. | Revised to S1-210505 |
| 11r | 7.13.1 | [S1-210505](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210505.zip) | InterDigital | FS\_PALS: Update to the Use Case Hosting network deployment for a temporary event | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Replaces S1-210079 |  | Agreed |
| 13 | 7.13.1 | [S1-210067](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210067.zip) | Huawei, Hisilicon | New use case of service restriction for UE accessing to home network service via a hosting network | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | This paper proposes a new use case of service restriction for UE accessing to home network service via a hosting network. | Rev3: Still conceptual problems with DT and Ericsson.  To be progressed in between meetings. | Noted |
| 14 | 7.13.1 | [S1-210120](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210120.zip) | Futurewei, Philips | Use case of home service provider dynamically steering UEs between different PALS service networks | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | This document describes a new use case and (possible) potential requirements, as part of the FS\_PALS study | 0120r5 agreed | Revised to S1-210506 |
| 14r | 7.13.1 | [S1-210506](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210506.zip) | Futurewei, Philips | Use case of home service provider dynamically steering UEs between different PALS service networks | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Replaces S1-210120 |  | Agreed |
| 15 | 7.13.1 | [S1-210126](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210126.zip) | Alibaba Group | Use Case on Steering a UE between networks for Localized Service | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS |  | Merged into 127r3 | Merged |
| 16 | 7.13.1 | [S1-210127](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210127.zip) | Alibaba Group | Use case on network selection based on application for Localized Service | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS |  | Rev3 presented.  Agreeable with minor editing.  PLMN/SNPN was changed in PLMN for simplification, but Intel has concerns with this.  For Nokia, "e.g. PLMN" should be deleted since not relevant to this requirement. "as required by the application" can on the contrary be added.  Rev4 Agreed. | Revised to S1-210507 |
| 16r | 7.13.1 | [S1-210507](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210507.zip) | Alibaba Group | Use case on network selection based on application for Localized Service | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | Replaces S1-210127 |  | Agreed |
| 17 | 7.13.1 | [S1-210132](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210132.zip) | Samsung Electronics GmbH | 22.844 P-CR: Broadcast and Multicast Local Service Use Case | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_VMR, FS\_PALS | This use case for the FS\_PALS study considers support for large numbers of users of a localized media service, benefiting from multicast and broadcast support. | 0132r2 agreed | Revised to S1-210508 |
| 17r | 7.13.1 | [S1-210508](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210508.zip) | Samsung Electronics GmbH | 22.844 P-CR: Broadcast and Multicast Local Service Use Case | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_VMR, FS\_PALS | Replaces S1-210132 |  | Agreed |
| 18 | 7.13.1 | [S1-210134](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210134.zip) | Samsung Electronics GmbH | 22.844 P-CR: Proximate Resources Use Case | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS | The FS\_PALS study considers a localized network service in time and place. This use case explores aspects of that localization in terms of offering resources effectively and flexibly. |  | Agreed |
| 19 | 7.13.1 | [S1-210274](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210274.zip) | Philips International B.V. | New use case on inviting mobile device to a PALS network | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS |  | 0274r1  (o: DT)  Still conceptual problem for DT and LGE: this would bring security issues. | Noted |
| 20 | 7.13.1 | [S1-210275](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210275.zip) | Philips International B.V. | New use case on onboarding temporary base station devices | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS |  |  | Noted |
| 21 | 7.13.1 | [S1-210273](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210273.zip) | Philips International B.V. | New use case on inviting mobile device to a specific network slicePALS network | pCR | 22.844 |  |  |  | 0.1.1 | Rel-18 | FS\_PALS |  |  | Withdrawn |
| 01 | 7.13.2 | [S1-210315](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210315.zip) | Rapporteur (Qualcomm) | TR22.844 v0.2.0 to include agreements at this meeting | TR | 22.844 |  |  |  | 0.2.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 03 | 7.14.1 | [S1-210147](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210147.zip) | CATT | Updates to Multiple working modes of vehicle mounted base station | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR |  | 0147r1 agreed | Revised to S1-210509 |
| 03r | 7.14.1 | [S1-210509](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210509.zip) | CATT | Updates to Multiple working modes of vehicle mounted base station | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | Replaces S1-210147 |  | Agreed |
| 04 | 7.14.1 | [S1-210165](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210165.zip) | Perspecta Labs, CISA ECD, Verizon, T-Mobile US, AT&T | FS-VMR updates to explicitly include priority services (e.g., MPS) | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | This contribution proposes addition of a potential requirement to explicitly cover priority services (e.g., MPS) in clause 6 of FS\_VMR. |  | Agreed |
| 06 | 7.14.1 | [S1-210075](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210075.zip) | ZTE Corporation, Qualcomm | UC of Group UE’s service continuity | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | This contribution proposes to add a new use case for group UEs’ service continuity when their serving mobile base station relay is moving between macro nodes | 0075r1 agreed | Revised to S1-210510 |
| 06r | 7.14.1 | [S1-210510](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210510.zip) | ZTE Corporation, Qualcomm | UC of Group UE’s service continuity | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | Replaces S1-210075 |  | Agreed |
| 07 | 7.14.1 | [S1-210076](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210076.zip) | ZTE Corporation | Local traffic offload via mobile BS relays | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | This contribution proposes a new use case about local data traffic when a mobile BS relay serves UEs in a vehicle or vicinity. | 0076r5 (new version)  (o: Ericsson)  Rev6: conceptual problem from Ericsson, the Core Network is to be involved with this solution. | Noted |
| 08 | 7.14.1 | [S1-210135](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210135.zip) | Samsung Electronics GmbH | 22.839 P-CR: Transient Coverage Extension Use Case | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | A number of mobile vehicular relays can traverse a topology to provide transient coverage extension. |  | Agreed |
| 09 | 7.14.1 | [S1-210136](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210136.zip) | Samsung, FirstNet | 22.839 P-CR: Non-terrestrial coverage for Mobile Vehicular Relays Use Case | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | This use case considers the implications of a satellite platform to support a mobile vehicular relay. |  | Agreed |
| 10 | 7.14.1 | [S1-210195](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210195.zip) | Qualcomm Incorporated | Use case on mobile relays sharing | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR |  | 0195r3 agreed | Revised to S1-210511 |
| 10r | 7.14.1 | [S1-210511](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210511.zip) | Qualcomm Incorporated | Use case on mobile relays sharing | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | Replaces S1-210195 |  | Agreed |
| 11 | 7.14.1 | [S1-210197](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210197.zip) | Qualcomm Incorporated | Use case on relay-macro simultaneous connectivity | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR |  | 0197r3 agreed | Revised to S1-210512 |
| 11r | 7.14.1 | [S1-210512](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210512.zip) | Qualcomm Incorporated | Use case on relay-macro simultaneous connectivity | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | Replaces S1-210197 |  | Agreed |
| 12 | 7.14.1 | [S1-210198](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210198.zip) | Qualcomm Incorporated | Use case on managing UEs inside the vehicle | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR |  | 0198r1 agreed | Revised to S1-210513 |
| 12r | 7.14.1 | [S1-210513](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210513.zip) | Qualcomm Incorporated | Use case on managing UEs inside the vehicle | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | Replaces S1-210198 |  | Agreed |
| 13 | 7.14.1 | [S1-210257](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210257.zip) | InterDigital | FS\_VMR: use case on Optimizing mobility for UEs from planned or predicted mobility information | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR |  | 0257r1 agreed | Revised to S1-210514 |
| 13r | 7.14.1 | [S1-210514](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210514.zip) | InterDigital | FS\_VMR: use case on Optimizing mobility for UEs from planned or predicted mobility information | pCR | 22.839 |  |  |  | 0.1.0 | Rel-18 | FS\_VMR | Replaces S1-210257 |  | Agreed |
| 01 | 7.14.2 | [S1-210316](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210316.zip) | Rapporteur (Qualcomm) | TR22.839 v0.2.0 to include agreements at this meeting | TR | 22.839 |  |  |  | 0.2.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 02 | 7.15.1 | [S1-210249](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210249.zip) | UIC | Changes to Critical Support Applications “Inviting-a-FRMCS User to a voice communication” use case | CR | 22.989 | 0002 |  | C | 18.0.0 | Rel-18 | FS\_eFRMCS |  | CR0002R- Cat F  Rev4 agreed. | Revised to S1-210515 |
| 02r | 7.15.1 | [S1-210515](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210515.zip) | UIC | Changes to Critical Support Applications “Inviting-a-FRMCS User to a voice communication” use case | CR | 22.989 | 0002 | 1 | C | 18.0.0 | Rel-18 | FS\_eFRMCS | Replaces S1-210249 |  | Agreed |
| 03 | 7.15.1 | [S1-210250](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210250.zip) | UIC | Merging of Railway Emergency Communications | CR | 22.989 | 0003 |  | C | 18.0.0 | Rel-18 | FS\_eFRMCS | This CR is to allow merging of railway emergency communications | Rev3 presented.  Gap analysis to be postponed to the next SA1 meeting.  Changes on changes to be removed.  Rev5. No concern on this version, agreed | Revised to S1-210516 |
| 03r | 7.15.1 | [S1-210516](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210516.zip) | UIC | Merging of Railway Emergency Communications | CR | 22.989 | 0003 | 1 | C | 18.0.0 | Rel-18 | FS\_eFRMCS | Replaces S1-210250 |  | Agreed |
| 03 | 7.16.1 | [S1-210081](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210081.zip) | China Mobile Com. Corporation | pCR TR 22.847 Add skeleton | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | Skeletton for TR 22.847 on "Study on supporting tactile and multi-modality communication services; Stage 1" | Rev1 presented  3GPP styles to be used appropriately.  Rev2 agreed. | Revised to S1-210517 |
| 03r | 7.16.1 | [S1-210517](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210517.zip) | China Mobile Com. Corporation | pCR TR 22.847 Add skeleton | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | Replaces S1-210081 |  | Agreed |
| 04 | 7.16.1 | [S1-210082](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210082.zip) | China Mobile Com. Corporation | pCR TR 22.847 Add scope | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM |  | 0082r2  (comments: Nokia)  Rev2 agreed | Revised to S1-210518 |
| 04r | 7.16.1 | [S1-210518](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210518.zip) | China Mobile Com. Corporation | pCR TR 22.847 Add scope | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | Replaces S1-210082 |  | Agreed |
| 05 | 7.16.1 | [S1-210083](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210083.zip) | China Mobile Com. Corporation | pCR TR 22.847 Add overview | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM |  | 0083r2 agreed | Revised to S1-210519 |
| 05r | 7.16.1 | [S1-210519](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210519.zip) | China Mobile Com. Corporation | pCR TR 22.847 Add overview | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | Replaces S1-210083 |  | Agreed |
| 07 | 7.16.1 | [S1-210065](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210065.zip) | Huawei, Hisilicon | Use case for Immersive Multi-modal Virtual Reality application | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | This paper proposes use cases for Multi-modal Virtual Reality application. | 0065r4 (new version)  (comments: Nokia) | Revised to S1-210520 |
| 07r | 7.16.1 | [S1-210520](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210520.zip) | Huawei, Hisilicon | Use case for Immersive Multi-modal Virtual Reality application | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | Replaces S1-210065 |  | Agreed |
| 08 | 7.16.1 | [S1-210084](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210084.zip) | China Mobile Com. Corporation | FS\_TACMM Use case: Remote control robot | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM |  | 0084r2 (new version) | Revised to S1-210521 |
| 08r | 7.16.1 | [S1-210521](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210521.zip) | China Mobile Com. Corporation | FS\_TACMM Use case: Remote control robot | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | Replaces S1-210084 |  | Agreed |
| 09 | 7.16.1 | [S1-210085](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210085.zip) | China Mobile Com. Corporation | FS\_TACMM Use case: Immersive VR games | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM |  | 0085r3 (new version) | Revised to S1-210522 |
| 09r | 7.16.1 | [S1-210522](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210522.zip) | China Mobile Com. Corporation | FS\_TACMM Use case: Immersive VR games | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | Replaces S1-210085 |  | Agreed |
| 10 | 7.16.1 | [S1-210204](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210204.zip) | Xiaomi Communications | TACMM-use case new-Multi-modality Gaming System | pCR | 22.847 |  |  |  | 0.1.0 | Rel-18 | FS\_TACMM |  | 0204r2  (o: Nokia) | Noted |
| 11 | 7.16.1 | [S1-210265](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210265.zip) | LG Electronics Deutschland | Support of Skillset Sharing for Cooperative Automated Driving | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | This document proposes a use case and related potential requirements to be included in FS\_TACMM TR 22.847. | 0265r6 (new revision)  (comments: Nokia) | Revised to S1-210523 |
| 11r | 7.16.1 | [S1-210523](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210523.zip) | LG Electronics Deutschland | Support of Skillset Sharing for Cooperative Automated Driving | pCR | 22.847 |  |  |  | 0.0.0 | Rel-18 | FS\_TACMM | Replaces S1-210265 |  | Agreed |
| 12 | 7.16.1 | [S1-210203](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210203.zip) | Xiaomi Communications | TACMM-use case new-Multi-modality Gaming System | pCR | 22.847 |  |  |  | 0.1.0 | Rel-18 | FS\_TACMM |  |  | Withdrawn |
| 01 | 7.16.2 | [S1-210317](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210317.zip) | Rapporteur (China Mobile) | TR22.847 v0.1.0 to include agreements at this meeting | TR | 22.847 |  |  |  | 0.1.0 |  |  |  | First draft by Mon 8th 23:00 UTC  Comments till Wed 10th 23:00UTC  Final version by Thurs 11th 23:00UTC | Agreed as a basis for future contributions |
| 01 | 8 | [S1-210139](file:///C:\Users\sultan\OneDrive%20-%20ETSI%20365\Documents\3GPP\SA1\2021\SA1_93e\docs\S1-210139.zip) | Samsung Electronics GmbH | Updated SA1 ToR, using new template | ToR |  |  |  |  |  |  |  | TSG SA endorsed a template to update all SA WGs in SA 86. SA1 agreed to an update in SA1 92e. Due to comments in SA 90e, the SA1 ToR update was postponed. SA1 should submit an updated ToR to SA 91e. | Rev1 presented.  Rev0 already agreed by e-mail.  Rev1: add ‘justified’ as requested by Huawei to the end of the 3rd paragraph of the overview.  Some final "touch-ups" made while sharing screen ("new" to be removed, uppercase to be changed to lowercase).  Rev2 agreed. | Revised to S1-210524 |
| 01r | 8 | [S1-210524](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210524.zip) | Samsung Electronics GmbH | Updated SA1 ToR, using new template | ToR |  |  |  |  |  |  |  | Replaces S1-210139 |  | Agreed |
| 01 | 10.2 | [S1-210340](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210340.zip) | China Mobile | FS\_MMTELin5G – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 02 | 10.2 | [S1-210341](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210341.zip) | BDBOS | FS\_SACI\_MCS – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 03 | 10.2 | [S1-210342](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210342.zip) | Hansung University | FS\_RAILSS – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 04 | 10.2 | [S1-210343](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210343.zip) | OPPO | FS\_AMMT – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 05 | 10.2 | [S1-210344](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210344.zip) | THALES | FS\_5GET– Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 06 | 10.2 | [S1-210345](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210345.zip) | LG Electronics | FS\_EASNS – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 07 | 10.2 | [S1-210346](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210346.zip) | UIC | FS\_OffNetRail – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 08 | 10.2 | [S1-210347](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210347.zip) | Nokia | FS\_5TRS – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 09 | 10.2 | [S1-210348](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210348.zip) | China Telecom | FS\_5GSEI – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 10 | 10.2 | [S1-210349](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210349.zip) | Xiaomi | FS\_Ranging – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 11 | 10.2 | [S1-210350](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210350.zip) | KPN | FS\_Resident – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 12 | 10.2 | [S1-210351](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210351.zip) | Vivo | FS\_PIN – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 13 | 10.2 | [S1-210352](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210352.zip) | Qualcomm | FS\_PALS – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 14 | 10.2 | [S1-210353](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210353.zip) | Qualcomm | FS\_VMR – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 15 | 10.2 | [S1-210354](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210354.zip) | UIC | FS\_eFRMCS – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 16 | 10.2 | [S1-210355](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210355.zip) | China Mobile | FS\_TMMin5GS – Status report | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 17 | 10.2 | [S1-210525](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210525.zip) | Nokia | Report on 5G Timing Resiliency System (5TRS | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 18 | 10.2 | [S1-210526](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210526.zip) | LG Electronics Inc | Report on Enhanced Access to and Support of Network Slice (EASNS) | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 18 | 10.2 | [S1-210527](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210527.zip) | Xiaomi | Report on Ranging-based service Requirements (Ranging) | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 20 | 10.2 | [S1-210528](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210528.zip) | China Unicom | Report on Low Power High Accuracy Positioning for industrial IoT scenarios (LPHAP) | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
| 21 | 10.2 | [S1-210529](https://etsihq-my.sharepoint.com/personal/alain_sultan_etsi_org/Documents/Documents/3GPP/SA1/2021/SA1_93e/docs/S1-210529.zip) | Huawei | Report on Data Integrity in 5G (DI\_5G) | Report |  |  |  |  |  |  |  |  | Available by Friday 5th 2300UTC | Noted |
|  | 99 | S1-210299 |  | Not allocated | Other |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-210338 | Not allocated | Not allocated | Other |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-210339 | Not allocated | Not allocated | Other |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-210530 | Not allocated |  | Other |  |  |  |  |  |  |  |  |  | Withdrawn |