**3GPP TSG-SA WG1 Meeting #106**

**Jeju, Korea, 27 – 31 May 2024**

# tdoc list SA1#106 version End of Meeting

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Order | Ag. Item | Tdoc# | Source | Title | Type | Spec | CR# | r | cat | Version in | Rel | WI | Summary | Discussion | Conclusion |
| 01 | 1.1 | [**S1-241000**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241000.zip) | SA1 Chair | 1st Draft Agenda for SA1#106 | agenda |  |  |  |  |  |  |  |  |  | Revised to S1-241001 |
| 02 | 1.1 | S1-241001 | SA1 Chair | 2nd Draft Agenda for SA1#106 | agenda |  |  |  |  |  |  |  |  | Revision of S1-241000. | Revised to S1-241002 |
| 03 | 1.1 | S1-241002 | SA1 Chair | Agenda for SA1#106 | agenda |  |  |  |  |  |  |  |  | Revision of S1-241000. Revision of S1-241001. | Agreed |
| 02 | 2 | S1-241003 | ETSI | Extract of the 3GPP Work Plan for SA1#106 | Work Plan |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 1.2 | S1-241004 | ETSI | Draft minutes of previous SA1 meeting | report |  |  |  |  |  |  |  |  |  | Revised to S1-241005 |
| 03 | 1.2 | S1-241005 | ETSI | Minutes of previous SA1 meeting | report |  |  |  |  |  |  |  |  | Revision of S1-241004. | Agreed |
| 01 | 2 | S1-241006 | SA1 vice-chair | SA1-related topics at SA#103 | report |  |  |  |  |  |  |  |  |  | Noted |
| 03 | 2 | [**S1-241007**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241007.zip) | ETSI | MCC info on CR Rules | other |  |  |  |  |  |  |  |  |  | Noted |
| 08 | 4 | [**S1-241008**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241008.zip) | ETSI | MCC info on WID names | other |  |  |  |  |  |  |  |  |  | Noted |
|  | 1 | S1-241009 | SA1 Chair & ETSI MCC | Cleaning Rel-18 Stage 1 | other |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 2 | [**S1-241010**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241010.zip) | SA1 Chair & ETSI MCC | SA1#106 preparation and SA1 planning | other |  |  |  |  |  |  |  |  |  | Noted |
| 65 | 3 | S1-241011 | LG Electronics | [draft] Reply LS on the stage 2 aspects of MINT\_Ph2 | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MINT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=970041) | reply LS proposal |  | Withdrawn |
| 01 | 8 | [**S1-241012**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241012.zip) | AT&T Services, Inc. | Moving to "NextG" | discussion |  |  |  |  |  | [Rel-20](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Main points:  6G: Evolution or Revolution?  Transitioning to a new ‘CICD’ model  Evolution to Usage Tomorrow  Importance of Low Power Wide Area Cellular IoT  Key words:  Immersive Communication  Massive Communications  Hyper reliable / low  latency communication  AI and Communication  Integrated sensing and  Communication  Ubiquitous connectivity  SA1 work organisation:: Prefer one ‘big’ umbrella SID that allows diverse sets or building blocks of use cases | Mediatek, Futurewei: is it meant that there will be a 6G version of LPWA?  AT&T: there might be new requirements, e.g. make it simpler. | Noted |
| 29 | 3 | [**S1-241013**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241013.zip) | Ericsson | (DRAFT) Reply- LS on Clarification related to MC gateway UE requirements | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Reply to S6-241370/S1-241220  Proposed answers:  a) Yes, this is allowed.  b) Yes, this is allowed. | More off-line discussions are needed. | Revised to S1-241250 |
| 02 | 8 | [**S1-241014**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241014.zip) | Sony Europe B.V. | Views on the SA1 6G Study | discussion |  |  |  |  |  | [Rel-20](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Key words:  Immersive Communication  mMTC Massive Communication  HRLLC(Hyper Reliable& • Ubiquitous Connectivity  AI and Communication  Integrated Sensing and Communication  SA1 work organisation:: Starting with a combination of an Umbrella SI and some BBSs might be the middle ground. |  | Noted |
| 03 | 8 | [**S1-241015**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241015.zip) | SK telecom | SK Telecom’s View on Future Telco. Infrastructure | discussion |  |  |  |  |  | [Rel-20](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241246 |
| 05 | 8 | [**S1-241016**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241016.zip) | Apple | IMT-2030 views | discussion |  |  |  |  |  |  |  | Key topics:  Immersive  Communications  Native Voice  Satellite  AIML  Other:  Energy & Power Efficiency; Achievable & Observable KPIs; Privacy ; Security; Device Type  Guiding Principles:  Consistent User experience; User Privacy & Security; Sustainability; Simplicity  SA1 work organisation:: questions identified, not answered  Timeline provided. | KDDI: agree with simplification. The identification of the important KPIs is the main problem  Mediatek: very good presentation. KPI is indeed the main point. “Satellite” to be differentiated from 5G Satellite.  Huawei: “Kw/bit” is better in 5G than for 4G. Which power consumption is it referred to?  Oppo: very good presentation. How about “native voice”?  Apple: “native voice”: nothing to do with “immersive”, they are just shown one next to the one. “native voice” means that no fallback should be needed (unlike in 4G and 5G).  Other questions to be taken off-line. | Noted |
| 06 | 4 | [**S1-241017**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241017.zip) | NOVAMINT, SES, THALES, ESA | Motivation for revising FS\_5GSAT\_Ph4 SID to add Reliable Multicast Use Cases for NTN | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 06 | 8 | [**S1-241018**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241018.zip) | Nokia | Nokia's view on SA1 Rel-20 6G study | discussion |  |  |  |  |  |  |  | Key words:  Sustainability (Green by design)  Security and privacy  Digital inclusion (accessibility,  affordability and consumability)  SA1 work organisation:: One Umbrella study and 3 or 4 BBs: Dependable  real-time ; IoT; Ubiquitous and resilient connectivity and Sustainability (if not dedicated Umbrella)  Timeline provided. | Nokia: Slide 8 does not represent Nokia’s priorities for 6G, it is just collecting some teams heard around | Noted |
| 01 | 10.1 | [**S1-241019**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241019.zip) | Nokia | Considerations on defining KVs for 6G study in SA1 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241253 |
| 03 | 10.1 | [**S1-241020**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241020.zip) | Nokia | Considerations on implementing KVs for 6G study in SA1 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241254 |
| 07 | 8 | [**S1-241021**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241021.zip) | KDDI Corporation | KDDI’s visions and plans on SA1 Rel-20 6G study | discussion |  |  |  |  |  | [Rel-20](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Immersive communications (“Unbound Experience”)  Ubiquitous coverage (“All Mobility”)  AI-assisted NW  simplified network functionalities  Sustainability  SA1 work organisation:: One Umbrella study and 3 BBs: Dependable  real-time (Immersive); Personalization; Ubiquitous and resilient connectivity | Xiaomi (Gordon): look like Nokia’s slides. 9 months is not much for the umbrella.  Siemens: IoT/verticals not covered  Qualcomm: similar to Nokia.  Chair: why the umbrella and the 3 BBs are not running in parallel, since they have already identified scopes (in these proposals)? | Noted |
| 08 | 8 | [**S1-241022**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241022.zip) | China Telecomunication Corp. | Proposal for 6G Use Cases and Considerations on SID Approach | discussion |  |  |  |  |  | [Rel-20](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  backward compatible between 6G & 5G, reliability,  simplify the network, Reduce energy consumption,  Native AI (Network for AI and AI for Network)  Satellite  Multi-parties Network  Immersive Communication  SA1 work organisation:: “one umbrella SID” is good. | Mediatek: what is “proximity network” on slide 7?  Vodafone: backward compatibility needs to be further explained | Noted |
| 09 | 8 | S1-241023 | FirstNet | FirstNet 6G SID Indeas | discussion |  |  |  |  |  |  |  | Keywords:  Enhanced positioning  AI/ML in public safety  Information-Axis (i-Axis), including IoT  Indoor tracking/sensing  Indoor coverage  Expanding coverage  Mesh Networking  6G needs to include mission critical services (with senses and holograms, improvements to emergency call video), immersive communications, IoT, improve coverage, reliability, and throughput. integration of IoT sensors with AI/ML for near real-time decision making, |  | Noted |
| 11 | 7.2 | [**S1-241024**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241024.zip) | AsiaInfo | Pseudo-CR on TR 22883 add New use case on User-centric Energy-aware QoS Management | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This pCR introduces a new use case on User-centric Energy-aware QoS Management. |  | Revised to S1-241301 |
| 47 | 7.2 | [**S1-241025**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241025.zip) | AsiaInfo | Pseudo-CR on New use case on Incentive Mechanism for User Energy Saving | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This pCR introduces a new use case on Incentive Mechanism for User Energy Saving. |  | Revised to S1-241314 |
| 38 | 7.2 | [**S1-241026**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241026.zip) | AsiaInfo | Pseudo-CR on New use case on Renewable Energy Prioritization for VNF Deployment | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This pCR introduces a new use case on Renewable Energy Prioritization for VNF Deployment. |  | Revised to S1-241312 |
| 10 | 8 | [**S1-241027**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241027.zip) | China Mobile | China Mobile's view on 6G study | discussion |  |  |  |  |  | [Rel-20](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Native AI and computing, integrated sensing and communication, coordination of network and computing.  Immersive communication  Extreme performance on user experience data rate, seamless connection, service consistency, deterministic, reliability.  Ubiquitous connectivity (NTN, multi-access convergence, large-scale networking).  Industry (IoT, NPN)  Efficiency. Network simplification, easy deployment and management, reliability, flexibility and resilience, autonomous network, cost efficiency, forward compatibility in architecture design.  Security  Sustainability.  SA1 work organisation:: One 6G umbrella study. Start with overview, target and designing principles  TR with different sections on different topics  Building block start at May. 2025. Different sections can be consolidated with different building blocks within one TR  Consolidations result in one 6G TS |  | Noted |
| 01 | 6.1 | [**S1-241028**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241028.zip) | InterDigital | Alignment of terminology for requirements | CR | [**22.125**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3545) | 0052 | 2 | F | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**UAS\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020059) |  | Moved from 6.4 | Revised to S1-241029 |
| 02 | 6.1 | [**S1-241029**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241029.zip) | InterDigital | Alignment of terminology for requirements | CR | [**22.125**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3545) | 0052 | 3 | F | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**UAS\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020059) | Replaces S1-241028 | Revision of S1-241028.  More “supporting” companies. | Revised to S1-241266 |
| 11 | 8 | [**S1-241030**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241030.zip) | NTT DOCOMO INC.. | Overall NTT DOCOMO’s view on 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Zero outage  AI, robotics and automated machine  Energy Efficiency  Simplified network  NTN  Security,  authentication,  privacy  for new services,  sensing  industries  immersive communication  SA1 work organisation:: two study areas below are proposed to be potential  building blocks of 6G SA1 umbrella SID.  • Compute and network convergence  • Zero outage |  | Noted |
| 05 | 6.2 | [**S1-241031**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241031.zip) | ZTE, China Unicom, NEC, Futurewei | 22.261v18.13.0 Removal of non-implemented DI\_5G requirement | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0784 |  | F | 18.13.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**DI\_5G**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910035) | (This is a CR for alignment). Rel-18 DI\_5G requirement was not implemented in Stage 2 and Stage 3. | Wrong title | Revised to S1-241345 |
| 08 | 6.2 | [**S1-241032**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241032.zip) | Samsung, China Telecom | Alignment for Smart Energy Infrastructure | CR | [**22.104**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0098 | 1 | F | 18.3.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**SEI**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920039) | Some requirements added to TS 22.104 were not supported in Release 18 stage 2 and stage 3 standardization. To align all 3GPP specifications, these unfulfilled requirements are removed from the Release 18 version of the specification. Other requirements have been satisfied in Release 18, mainly in TS 28.318. |  | Revised to S1-241334 |
| 10 | 6.2 | [**S1-241033**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241033.zip) | Samsung, China Telecom | Alignment for Smart Energy Infrastructure | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0771 | 1 | F | 18.13.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**SEI**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920039) | Some requirements added to TS 22.261 were not supported in Release 18 stage 2 and stage 3 standardization. To align all 3GPP specifications, these unfulfilled requirements are removed from the Release 18 version of the specification. Other requirements have been satisfied in Release 18, mainly in TS 28.318. |  | Revised to S1-241335 |
| 07 | 6.2 | [**S1-241034**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241034.zip) | Samsung, China Telecom | Rel-18 Alignment of Stage 1 with results for SEI | discussion |  |  |  |  |  |  |  | This discussion paper proposes a strategy to align the SEI provisions in stage 1 specifications that are SA1's responsibility in Release 18. There are two related CRs: S1-241032 for TS 22.104 and S1-241033 for TS 22.261 alignment. |  | Noted |
| 52 | 7.2 | [**S1-241035**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241035.zip) | Samsung | pCR 22.883 Advice of Energy Use | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This use case proposes a means by which subscribers, enterprise customers and service providers can knowingly limit their energy use and thereby achieve real energy savings. |  | Revised to S1-241315 |
| 05 | 10.1 | [**S1-241036**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241036.zip) | Samsung | Proposals for further consideration of key values | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Key values can be discussed as part of Release 20, phase 2. This paper considers some aspects and makes some suggestions of how to consider values as part of work on standardization. |  | Noted |
| 12 | 8 | [**S1-241037**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241037.zip) | Samsung Electronics Czech | On the 6G Stage 1 Study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This presentation considers content, form and procedure aspects for the coming 6G study in SA1. |  | Revised to S1-241252 |
| 14 | 8 | [**S1-241038**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241038.zip) | Huawei | Huawei consideration of SA1 Rel-20 Part2 study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Immersive Communication  Massive Communication: Smart Urban City and Life, IoT  HRLLC: Industry, Driving Automation  Ubiquitous Connectivity  AI and Communication  Integrated Sensing and Communication  Sustainability,  Ubiquitous intelligence, Security/privacy/resilience  SA1 work organisation::  one self-contained SI  Timeline provided. |  | Noted |
| 01 | 6.4 | [**S1-241039**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241039.zip) | Huawei | add the definition pointer of Ambient IoT device | CR | [**22.369**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4232) | 0003 |  | D | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | AmbientIoT, FS\_A#  mbientIoT | Add a pointer to TS 22.261 to ensure TS22.369 includes the definition of Ambient IoT device. |  | Withdrawn |
| 06 | 10.1 | [**S1-241040**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241040.zip) | Orange | Discussion paper Key Value (KVs) and Key Value Indicators (KVIs) | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Proposal for a methodology to address KVIs in SA1 studies. |  | Revised to S1-241237 |
| 15 | 8 | [**S1-241041**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241041.zip) | THALES | Views on 6G SA1 study item(s) | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241235 |
| 02 | 6.4 | S1-241042 | Huawei Technologies France | removing duplicated reference to TS22.369 (Ambient IoT) in TS 22.261 | CR | [**22.369**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4232) | 0004 |  | D | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020030) |  |  | Withdrawn |
| 09 | 6.1 | [**S1-241043**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241043.zip) | Huawei | removing duplicated reference to TS22.369 (Ambient IoT) in TS 22.261 | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0785 |  | D | 19.6.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020030) | A reference was duplicated | Moved from 6.4 | Agreed |
| 17 | 8 | [**S1-241044**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241044.zip) | Intel Corporation | Intel's views on 6G use cases and SID organization | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Immersive communication  Computing-network convergence  Integrated Sensing and Communication  AI/ML native system  Sustainability  Trust, security and resilience  Use case examples:  XR  Localized mobile metaverse  Mobile robots  Digital twins  Holographic communications  Unmanned vehicles  SA1 work organisation::  Single SID. Multiple BB SIDs should not be the initial objective and can be created if a significant grouping of use cases is identified at a later point in time. | Siemens: about “Leverage the work done by ITU-R/other research alliances on 6G use cases and KPIs.”: 3GPP is contribution-driven | Noted |
| 18 | 8 | [**S1-241045**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241045.zip) | ZTE Corporation | Views on 6G Use Cases and SA1 Study Plan | discussion |  |  |  |  |  |  |  | Keywords:  Immersive Comm.  Industry IoT  Intelligent Network Operation  Native AI  ISAC  Ubiquitous Connectivity  Energy Efficiency  SA1 work organisation::  Begin with one 6G SID  − Begin with one 6G SA1 SID and end with one 6G WID with one basic 6G Req TS.  − Discuss whether the subsequent multiple Building Blocks needed and if yes, how? It is suggested to be decided  after Feb. 2025 based on the collected UCs. | Nokia, Futurewei: short time window  ZTE: indeed, challenging for SA1 to give valuable (i.e. in time) input to RAN, but it would be very useful. | Noted |
| 19 | 8 | [**S1-241046**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241046.zip) | LG Electronics Inc. | LGE's Views on SA1 6G Study | discussion |  |  |  |  |  |  |  | Keywords:  Sustainability, Affordability, Resilience  AI  XR  IoT  Sensing  Improve “Quality of Life” |  | Noted |
| 01 | 6.3 | [**S1-241047**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241047.zip) | Nokia | Correction of reference to IEEE Std 1588-2019 | CR | [**22.104**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0099 |  | F | 18.3.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**SEI**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920032) | The CR fixes pointers to the reference [34] that were mistakenly still referring to [28].  Fix missing text agreed from previous CR. |  | Agreed |
| 02 | 6.3 | [**S1-241048**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241048.zip) | Nokia | Correction of reference to IEEE Std 1588-2019 | CR | [**22.104**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0100 |  | F | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**SEI**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920032) | Mirror | Should be cat. A | Revised to S1-241330 |
| 04 | 7.2 | [**S1-241049**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241049.zip) | MediaTek Germany GmbH | Use Case on ECO Indication of Communication Service | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This is the new use case supporting ECO indication for EnergyServ Phase 2. |  | Revised to S1-241303 |
| 20 | 8 | [**S1-241050**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241050.zip) | MediaTek Germany GmbH | MediaTek's Views on SA1 Rel-20 Part 2 study | discussion |  |  |  |  |  |  |  | Keywords:  Consumer-focused  low energy consumption and constrained cost  Sustainability: Native Energy Efficiency, Carbon-aware System, Sustainability KVI(s)  Simplicity  Ambient Intelligence  XR Compute Workload Offloading  Collaborative Perception for Improved Car Safety  AI Agent  Key new Use case/Application:  Immersive user experience  Generative AI  Cross-domain convergence driving new use cases  and improved UXP including Computing and communication, Sensing and communication, and Terrestrial and Non-terrestrial (NTN).  Consumer market to drive “initial” 6G adoption, as in previous generations  Corresponding Device types to address the above w/o unnecessary device market fragmentation | Vodafone: good presentation. Very challenging though.  Nokia: relationship between SA1 KVI and RAN KVI?  Mediatek: yes, this needs to be done, and there is a mandate from TSG plenaries to achieve this | Noted |
| 15 | 6.2 | [**S1-241051**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241051.zip) | vivo | Clean-up of PIN requirements | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0786 |  | F | 18.13.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**PIRates**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=930029) |  |  | Revised to S1-241348 |
| 13 | 6.2 | [**S1-241052**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241052.zip) | vivo | Discussion on Rel-18 PIN requirements clean-up | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-241347 |
| 66 | 8 | S1-241053 | ISSDU | Enable Quantum-Safe Cryptography for 6G | discussion |  |  |  |  |  |  |  |  |  | Withdrawn |
| 67 | 8 | S1-241054 | ISSDU, III, NYCU | Enable Quantum-Safe Cryptography for 6G | discussion |  |  |  |  |  |  |  |  |  | Withdrawn |
| 21 | 8 | [**S1-241055**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241055.zip) | vivo | vivo views on 6G use cases and SA1 study | discussion |  |  |  |  |  |  |  | Keywords:  Communication service  • Immersive  • Metaverse  • Device diversity  • AI for network  Computing service  • Network for AI  • Coordination of  communication and  computing  Information service  • Data service  • Sensing  • Positioning  Cost & Energy efficiency  • Energy efficiency as a  service  • E2E energy efficiency  • Network automation  Ubiquitous connectivity  • GEO narrow-band call  • NTN and TN  Vertical Service  • Ambient IoT  SA1 work organisation::  study on 6G use cases (approved at Sep 2024）  Building Block phase （Starts from Q1 or Q2 2025)  Communication service  • Immersive  • Metaverse  • Device diversity  • AI for network  6G single umbrella SI |  | Noted |
| 72 | 7.3 | S1-241056 | ISSDU, III | Pseudo-CR on New use case on Resilient Satellite Communication with Isolated Operation Mode for Public Safety | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Withdrawn |
| 73 | 7.3 | S1-241057 | ISSDU | Pseudo-CR on New use case on Emergency Warning Broadcast Services over Satellite with Emergency Uplink Services | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Withdrawn |
| 74 | 7.3 | S1-241058 | ISSDU, III | Pseudo-CR on New use case on Emergency Warning Broadcast Services over Satellite with Emergency Uplink Services | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Withdrawn |
| 51 | 8 | [**S1-241059**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241059.zip) | ISSDU, III, NYCU, GE Network Technologies | Enable Quantum-Safe Cryptography for 6G | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-241240 |
| 06 | 7.3 | [**S1-241060**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241060.zip) | ISSDU, III | Pseudo-CR on New use case on Resilient Satellite Communication with Isolated Operation Mode for Public Safety | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-241272 |
| 10 | 7.3 | [**S1-241061**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241061.zip) | ISSDU, III | Pseudo-CR on New use case on Emergency Warning Broadcast Services over Satellite with Emergency Uplink Services | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Noted |
| 03 | 6.2 | [**S1-241062**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241062.zip) | InterDigital | Re-introduction of non-implemented UIA charging requirements | CR | [**22.115**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=608) | 0109 |  | F | 18.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**UIA**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=800012) | This restores in Rel-19 some text that was deleted from Rel-18 since the deleted text was meant to be deleted only in Rel-18 (and should be kept in Rel-19) | This is as per 21.900 rules. But the rules are inefficient, so they should and will be changed.  Huawei: a dummy CR can be done to create Rel-19.  MCC/Chair: this was not accepted by the spec manager neither.  KPN: then, if we want to be 100% as per the rules, a “(void)” section shall not be re-used for another text. So 5.2.17 shall not be reused, which will create lot of confusions.  Chair: let’s do it this way now, and modify the rules by September. | Agreed |
| 04 | 6.2 | [**S1-241063**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241063.zip) | InterDigital | Re-introduction of non-implemented UIA requirements | CR | [**22.101**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=605) | 0593 |  | F | 18.6.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**UIA**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=800012) | Same problem as 1062. | Moved from 6.1 | Agreed |
| 11 | 4 | [**S1-241064**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241064.zip) | Xiaomi | Integrated Sensing and Communication Phase 2 | discussion |  |  |  |  |  |  |  | Supporting presentation for the SID |  | Noted |
| 10 | 4 | [**S1-241065**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241065.zip) | Xiaomi | New SID on Study on Integrated Sensing and Communication Phase 2 | SID new |  |  |  |  |  |  |  | The objectives are to study new use cases for 5G wireless sensing, which includes dynamic sensing service (KPIs) to service consumers; enhancements to sensing results exposure/distribution or combined communication and sensing service to users | Deutsche Telekom: this is too vague and generic. Some specific aspects should be mentioned. As it is, they see no need for this WID.  Ericsson: why 5GA and not 6G?  Futurewei: what is meant by “combined communication and sensing service”  Qualcomm: agree with Ericsson and Futurewei. No immediate additional requirement is deemed needed at this point.  Supporting companies: China Mobile and Xiaomi, so not enough companies to support.  Instead, mini WID(s) are encouraged to solve specific issue(s). | Noted |
| 02 | 7.2 | [**S1-241066**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241066.zip) | Nokia | pCR on TR 22.883 cleanup | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  | Keep this open | Revised to S1-241318 |
| 22 | 8 | [**S1-241067**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241067.zip) | Ericsson Telecomunicazioni SpA | 6G Company view Ericsson | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Inclusion & integrity  Sustainability & Resilience  Security & trust  Digitalization and application demands  Mixed Reality –Immersive  shared experiences  Global Internet –Digitalization  for everyone everywhere  Autonomous Mobility –  Supporting smart transport  Resilient Connectivity –Priority  emergency communication  Spatial Data  Digital Twin  Scope:  ●6G to support both existing and evolution of 5G use cases, as well as new 6G use cases  ●Requirements to be well motivated from use cases, not e.g. 100 x 5G  ●High level of feature parity with 5G, but simplification shall be strived for  ●Support of voice telephony service and SMS  ●Support of LPWA, FWA, NTN  SA1 work organisation:  One 6G TR. Suggested ways of working:  1. Introduce new use cases in  Annex A “Proposed Use Cases”  2. When several use case are  considered to deemed  important→ move to chapter 5  under relevant heading | Ericsson: IMS will continue to be used.  Ericsson: TR sections can be covered by one generic Study Item or by several BBs, no view on this | Noted |
| 23 | 8 | S1-241068 | Reliance Jio | Reliance Jio Views on 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Reliance Jio Views on 6G | Never uploaded | Withdrawn |
| 68 | 8 | [**S1-241069**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241069.zip) | Bosch, Siemens, Continental, GE Aerospace, Fraunhofer IIS, NICT | Vertical’s view on 6G: 3GPP Subnetworks | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Withdrawn |
| 24 | 8 | [**S1-241070**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241070.zip) | Orange | 6G Company view - Orange | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  value and sustainability are the core drivers for future mobile network technology design.  Immersive experience  Digital Twins  Industry & Robots  Digital Inclusion  Healthcare & Well-being  Sustainable capacity expansion  Exposure of network data, functions and resources to third parties, including for AI as a service |  | Noted |
| 11 | 7.3 | [**S1-241071**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241071.zip) | vivo | Discussion paper on New use case on IMS voice call using GEO satellite access | Discussion | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | IMS voice call using GEO satellite access use case is proposed, with potential requirements and KPIs |  | Revised to S1-241247 |
| 13 | 7.3 | [**S1-241072**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241072.zip) | vivo | Pseudo-CR on New use case on IMS voice call using GEO satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Gap analkysis and proposals for IMS voice call using GEO satellite access |  | Revised to S1-241248 |
| 03 | 3 | [**S1-241073**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241073.zip) | QUALCOMM | Reply LS on DualSteer NW selection | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-241244 |
| 05 | 3 | [**S1-241074**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241074.zip) | QUALCOMM | 22.261 CR on DualSteer NW selection | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0787 |  | F | 19.6.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020031) |  |  | Noted |
| 06 | 3 | [**S1-241075**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241075.zip) | QUALCOMM | 22.011 CR on DualSteer NW selection | CR | [**22.011**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0360 |  | F | 19.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020031) |  |  | Revised to S1-241239 |
| 18 | 4 | [**S1-241076**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241076.zip) | QUALCOMM | Supplemental NW extension - Overview | other |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Supporting presentation for the SID |  | Noted |
| 14 | 4 | [**S1-241077**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241077.zip) | QUALCOMM | New SID on Supplemental NW extension | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This SID is to Study use cases and requirements to support different scenarios where a “SupNet provider”, which could be a network operator or 3rd party, manages supplemental network resources / RAN nodes (deployed by the SupNet provider or an independent party) used to provide extended coverage and/or capacity services to other MNO(s) (PLMN or NPN), e.g. in indoor, hotspot or rural areas. | Apple: there is no topic to be standardised here.  Also concerns from Nokia, Futurewei | Revised to S1-241257 |
| 18 | 6.2 | [**S1-241078**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241078.zip) | QUALCOMM | Discussion on Rel-18 VMR requirements clean-up | other |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**VMR**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=930021) |  |  | Noted |
| 20 | 6.2 | [**S1-241079**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241079.zip) | QUALCOMM | CR for Clean-up of Rel-18 VMR Requirements | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0788 |  | F | 18.13.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**VMR**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=930021) |  | All the text in the brackets is to be deleted. | Revised to S1-241349 |
| 22 | 3 | [**S1-241080**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241080.zip) | Huawei | Clarification on mobile metaverse services | discussion |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 21 | 3 | [**S1-241081**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241081.zip) | Huawei | Reply LS on clarification on mobile metaverse services | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Merged to S1-241236 |
| 19 | 7.3 | [**S1-241082**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241082.zip) | EchoStar | 5G system with satellite access to support Robust Notifictaion Alert | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241275 |
| 25 | 8 | [**S1-241083**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241083.zip) | Futurewei Technologies | SA1 release 20 6G study consideration | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Integrated Sensing and Communication  Immersive communication for consumer and business applications  AI/ML support  Ubiquitous connectivity  Sustainability of E2E Eco-system  Security and privacy protections  Next-generation Broadband  Sustainability and societal  Pervasive Access  Spatial Perception  Real-Time Control  Immersive  Platform and Services  SA1 work organisation:  a single umbrella SID and single TR approach for 6G study. Multiple building blocks are possible within the umbrella SID to help to organize and coordinate the work, if needed |  | Noted |
| 20 | 4 | [**S1-241084**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241084.zip) | Deutsche Telekom | New SID on Additional Registration to a Network | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | If the R19 CR in S1-241075 is agreed this SID proposal can be noted, as a big part of requirements is then already solved in R19. We will come back with a miniWID in a later meeting to resolve the remaining issues about PALS and slicing. If S1-241075 is not agreed we propose to proceed with this SID. |  | Revised to S1-241258 |
| 22 | 4 | [**S1-241085**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241085.zip) | Deutsche Telekom | Use Case for additional registration to a network | other |  |  |  |  |  |  | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Use case to show 1084 |  | Noted |
| 23 | 4 | [**S1-241086**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241086.zip) | Deutsche Telekom | DP on SID additional registration to a network | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Supporting presentation for the SID |  | Noted |
| 26 | 8 | [**S1-241087**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241087.zip) | QUALCOMM Europe Inc. - Spain | QUALCOMM 6G PRESENTATION | discussion |  |  |  |  |  |  |  | Keywords:  Communication  AI & compute  System resiliency  Integrated sensing  Sustainability (Green communications)  SA1 work organisation: |  | Noted |
| 22 | 6.2 | [**S1-241088**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241088.zip) | QUALCOMM Europe Inc. - Spain | Clean-up of Rel-18 PALS Requirements | discussion | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  | Moved from 6.3 | Noted |
| 27 | 8 | [**S1-241089**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241089.zip) | CableLabs | CableLabs Views on 6G use cases and SA1 study | discussion |  |  |  |  |  |  |  | Keywords:  Immersive Entertainment/Gaming  Multi-Sensory xR, Mixed Reality co-design, Immersive Telepresence, Immersive Health/Education  Ubiquitous Connectivity  Seamless Connectivity  Massive Communication  Connectivity Of Everything  Smart Industry  Autonomous Vehicles  Connected Living  Smart Hospitals  Hyper-reliable, low latency communication  Assisted Navigation  Environmental detection for xR  Smart Factories  Smart warehouses  SA1 work organisation:  Single Umbrella |  | Noted |
| 09 | 3 | [**S1-241090**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241090.zip) | MediaTek Inc. | Reply LS on traffic steering and/or switching of user data across two 3GPP access networks | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | Merged in S1-241244 | Merged into S1-241245 |
| 23 | 6.2 | [**S1-241091**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241091.zip) | QUALCOMM, Futurewei | CR for Rel-18 PALS Requirements Clean-up | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0789 |  | F | 18.13.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**PALS**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920031) |  |  | Revised to S1-241350 |
| 54 | 8 | [**S1-241092**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241092.zip) | NTT DOCOMO, Rakuten Mobile, SoftBank, KDDI | Challenge for zero outage network | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 28 | 8 | [**S1-241093**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241093.zip) | KT Corp. | KT's perspectives on 6G use cases | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Immersive Communications  – XR enhancements (Uu+PC5 CA)  – Multi-radio CA support (LTE+5G+6G)  • Integrated AI & Communications  – Cloud RAN resource management  – AI based RAT selection  • Hyper Reliable & low latency Communications  – Tactile Internet  – Telemedicine (Ambulance)  • Ubiquitous Connectivity  – Aerial Coverage (3D coverage)  – On-demand networking with RIS  • Massive Communications  – Bio-Connectivity  – Computing power sharing (Wireless Briefcase, Distributed cloud)  • Integrated Sensing & Communications  – Gesture recognition  – Unmanned store |  | Noted |
| 08 | 10.1 | [**S1-241094**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241094.zip) | KT Corp. | Considerations to address key societal values of 6G in SA1 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This contribution is for discussion on how to capture KV/KVI of 6G in SA1. |  | Noted |
| 29 | 8 | [**S1-241095**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241095.zip) | Rakuten Mobile, Inc | Rakuten Mobile’s view on 6G Use cases | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Sensing  Industrial IoT  Metaverse/Digital TwinSobots  Smart Health care  Industrial Automation  Autonomous Driving  100% Coverage  Zero outage  Unified & Simplified Architecture  Core Network Evolution  New Service: Holographic communication, tactile internet, RF Sensing, Robotics, digital twins, and metaverse  Cognitive & Autonomous Networks with AI  Intent based management, Autonomous network, AI embedded NFs,  Management and Cloud Native Sustainability |  | Noted |
| 55 | 8 | [**S1-241096**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241096.zip) | NTT DOCOMO, SK Telecom, Intel | Discussion on computing network convergence in 3GPP system | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 25 | 4 | [**S1-241097**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241097.zip) | China Unicom, China Telecom | New SID: Study on Multi-network Interoperability Enhancement | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | The main objective of this SID is to investigate use cases which enable a 5GC/SA network to provide 5G services when a subscriber of HPLMN supporting only EPC/NSA networks roams to a VPLMN supporting only 5GC/SA networks; and when a subscriber travels within the same PLMN, from an EPC/NSA only area to a 5GC/SA only area. | Nokia, Qualcomm, Ericsson, Apple have concerns with this WID. | Revised to S1-241259 |
| 19 | 6.2 | [**S1-241098**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241098.zip) | Huawei | Discussion on Rel-18 VMR requirements for satellite access | discussion | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 28 | 4 | [**S1-241099**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241099.zip) | China Unicom | Discussion on Study on Multi-network Interoperability Enhancement | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Supporting presentation for the SID |  | Noted |
| 56 | 8 | [**S1-241100**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241100.zip) | LG Electronics Inc. | Discussion on SA1 6G Study with focus on Internet of Smart and Collaborative Physical Systems | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 30 | 8 | [**S1-241101**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241101.zip) | SKY Perfect JSAT Corporation | JSAT's view on 6G NTN | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Unified, Synergy between  telecommunication and computing  Sustainability  Space Coverage (space hotels, the moon) | Nokia: is it all meant to be supported from Day1 of 6G?  Huawei: what are the “space hotels”? any business plans?  JSAT: connectivity to the satellites is the first target. Not everything is for Day 1. | Noted |
| 27 | 6.2 | [**S1-241102**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241102.zip) | LG Electronics | Discussion on Rel-18 EASNS requirements | discussion | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**EASNS**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910032) | This contribution analizes Stage 2 implementations for Release 18 EASNS requiremnts. | The CR will be proposed at the next meeting. | Noted |
| 06 | 7.2 | [**S1-241103**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241103.zip) | LG Electronics | New use case “Energy grade information exposure” | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This contribution describes the use case for FS\_EnergyServ\_Ph2 |  | Revised to S1-241304 |
| 53 | 8 | [**S1-241104**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241104.zip) | NICT | NICT's View on Advanced PNT Service and Seamless and Robust Communication Service | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 57 | 8 | [**S1-241105**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241105.zip) | NICT | Study on Advanced positioning and timing service | discussion |  |  |  |  |  |  |  | Draft proposal of SID relating to S1-241104 |  | Noted |
| 30 | 4 | [**S1-241106**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241106.zip) | ZTE, CEPRI, China Unicom, China Telecom, CMCC, vivo, AsianInfo | New SID on Study on Enhanced Group Communication Service | SID new |  |  |  |  |  |  |  | This study is aiming at identifying use cases and potential new requirements related to enhanced group communication support for multiple UEs with respective different data flows for the same service. | Apple, Nokia: that can be done at the application layer, there is no impact on the standard.  The first and fourth objectives can be removed. The rest can be covered either by miniWID or by other means (to be discussed off-line). | Revised to S1-241260 |
| 33 | 4 | [**S1-241107**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241107.zip) | ZTE | Discussion paper on Enhanced Group Communication Service | discussion |  |  |  |  |  |  |  | Supporting presentation for the SID |  | Noted |
| 58 | 8 | [**S1-241108**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241108.zip) | NICT | Study on Seamless and robust communication service | discussion |  |  |  |  |  |  |  | Draft proposal of SID relating to S1-241104 |  | Noted |
| 09 | 10.1 | [**S1-241109**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241109.zip) | NTT DOCOMO INC.. | NTT DOCOMO’s consideration on Key value | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 25 | 7.3 | [**S1-241110**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241110.zip) | China Telecomunication Corp. | UC on IMS voice services using GEO satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Merge into1248 |
| 26 | 7.3 | [**S1-241111**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241111.zip) | China Telecomunication Corp. | UC on traffic over different orbit satellites | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-241289 |
| 30 | 7.3 | S1-241112 | ETRI, Nokia | Use case on service continuity through multi-orbit satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | This document proposes a use case on service continuity through multi-orbit satellite access and potential requirements for TR22.887 v0.0.0 (FS\_5GSAT\_ph4). |  | Revised to S1-241133 |
| 75 | 7.3 | S1-241113 | ETRI | Use case on UE-Satellite-UE Communications using multi-orbit satellites | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | This document proposes a use case on UE-Satellite-UE Communications using multi-orbit satellites and potential requirements for TR22.887 v0.0.0 (FS\_5GSAT\_ph4). |  | Withdrawn |
| 35 | 7.3 | [**S1-241114**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241114.zip) | China Mobile Com. Corporation | New use case on multi-orbit satellite access for multiple services | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | New use case on multi-orbit satellite access for multiple services |  | Merge into 1276 |
| 31 | 8 | [**S1-241115**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241115.zip) | Spreadtrum Communications, SGITG | Initial Views on 6G Use Cases and Features | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Spreadtrum's initial Views on 6G Use Cases and Features | No delegate to present | Noted |
| 04 | 6.3 | [**S1-241116**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241116.zip) | Ericsson, Qualcomm | Location services user plane protocol and 3GPP PS data off | CR | [**22.011**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0361 |  | F | 18.5.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | In order for positioning to work while roaming, the HPLMN operator must be able to configure the location services user plane protocol (LCS-UPP), thus this must be part of the 3GPP PS data off exempt services | T-Mobile: this is not a correction but an addition of feature | Noted |
| 12 | 4 | [**S1-241117**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241117.zip) | China Mobile (Suzhou) Software | DP on Integrated Sensing and Communication phase 2 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Same topic as 1064/65. | Noted |
| 36 | 7.3 | [**S1-241118**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241118.zip) | China Mobile (Suzhou) Software | pCR on use case on emergency communication using satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-241270 |
| 32 | 8 | [**S1-241119**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241119.zip) | OPPO | OPPO view towards SA1 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  eMBB  • XR/Metaverse  • User centric service  Computation + AI  • On-demand connection  topology  • Computation network  • Data plane/service  • Model LCM  • Unified exposure for AIaaS  Sensing  • UE assisted sensing  • Multi-dimensional sensing  • Sensing for low altitude  economy (e.g. UAV  detection)  Vertical  • HRLLC  • TSN  • NPN  Ubiquitous connectivity  • NTN  • Ambient IoT  Network operation  • Autonomous Networking  • Minimized Kernel + N  subsystem  • Migration/Interworking  • Energy efficiency  Autonomous Networking  6G system should be like “one minimized kernel + N  subsystem”.  SA1 work organisation:  multiple SIDs or one SID with building blocks covering 6 directions:  - eMBB,  - Computation+AI (proposed objective in S1-241120),  - Sensing,  - Vertical,  - Ubiquitous connectivity,  - Network operation. |  | Noted |
| 59 | 8 | [**S1-241120**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241120.zip) | OPPO | New SID proposal on Study on native AI based on 6G computation network | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | For discussion: New SID proposal on Study on native AI based on 6G computation network. |  | Noted |
| 01 | 10.2 | [**S1-241121**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241121.zip) | Nokia | Lessons learnt from 5G study: Coordination with RAN study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 60 | 8 | [**S1-241122**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241122.zip) | Nokia | Study on Coordination of Network and Compute for 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 05 | 6.1 | [**S1-241123**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241123.zip) | OPPO | TS22.261\_CR\_AIoT\_Update the description of Ambient IoT | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0790 |  | F | 19.6.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020055) | Put the definition of AIoT into TS22.369, and this spec (TS22.261) just refers to the definition in TS22.369. | This one states “Ambient IoT device: refers to the definition of terms in clause 3.1 in TS22.369. “ but 1178 proposes the opposite, i.e. definition in 22.261 only.  Def in 22.261: 8 companies  Def in 22.369: 3 companies  So the definition is to be kept in 22.261 (Huawei’s approach).  Nokia: it is really used in 22.369, so it is more logical to have it in this one.  KPN: 22.261 is 5G-specific, when Ambient IoT is not, so it should be in 22.369. | Noted |
| 06 | 6.1 | [**S1-241124**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241124.zip) | OPPO | TS22.369\_CR \_AIoT\_Adding the descirption of terms | CR | [**22.369**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4232) | 0005 |  | F | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020055) | Adding the desciprtion of relevant terms in TS22.369. TS22.261 refers to the definition. |  | Noted |
| 33 | 8 | [**S1-241125**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241125.zip) | China Unicom | China Unicom 6G VISION | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | China Unicom 6G overview, use cases and considerations. Contributions for R20 6G work. |  | Revised to S1-241332 |
| 10 | 3 | [**S1-241126**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241126.zip) | OPPO | Reply to LS on traffic steering and/or switching of user data across two 3GPP access networks | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Answer the question from SA2 | Merged in S1-241245 | Merged into S1-241245 |
| 40 | 4 | [**S1-241127**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241127.zip) | China Unicom | Motivation for Enhancement to 5G Residence | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This is the second round discussion of eResident, where DP serves the SID of eResident, mainly updating the differences with existing technologies and further clarifying the motivations. |  | Noted |
| 13 | 7.2 | [**S1-241128**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241128.zip) | China Mobile | New use case on supporting information exposure and service adjustment based on energy supply mix | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-241302 |
| 18 | 7.2 | [**S1-241129**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241129.zip) | China Mobile | New use case on supporting dynamic adjustment of sensing service for energy efficiency | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Noted |
| 39 | 7.3 | [**S1-241130**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241130.zip) | China Mobile | New use case on multi-orbits access supporting different services | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-241278 |
| 41 | 7.3 | [**S1-241131**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241131.zip) | China Mobile | New use case on supporting remote sensing in satellite | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-241279 |
| 61 | 8 | [**S1-241132**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241132.zip) | China Mobile, LG Uplus, Toyota, OPPO, vivo, CATT, Asia Info | New SID on 6G Services | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 31 | 7.3 | [**S1-241133**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241133.zip) | ETRI, Nokia | Use case on service continuity through multi-orbit satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | Replaces S1-241112 | Revision of S1-241112. | Revised to S1-241276 |
| 19 | 7.2 | [**S1-241134**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241134.zip) | Vivo | New use case on energy saving service for UE | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-241308 |
| 43 | 7.2 | [**S1-241135**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241135.zip) | ZTE Corporation | New use case on energy sources information used for network node selection | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-241313 |
| 08 | 7.2 | [**S1-241136**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241136.zip) | Rakuten Mobile, Inc | pCR on new use case on Renewable Energy Status Notification | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This pCR introduces a new use case on Renewable Energy Status Notification | To be merged into 1049 (to be revised) | Revised to S1-241305 |
| 35 | 4 | [**S1-241137**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241137.zip) | China Unicom, Rakuten Mobile, SK Telecom, LG Uplus, CATT, China Telecom, OPPO, Xiaomi, Novamint | New Study on NetShare phase 2 | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This is the third NetShare discussion. the SID scope was updated based on the conclusions of the second meeting and offline discussion before the meeting. Motivation was clarified. | Support for miniWID: 3 companies, including the author  “The satellite part can be shifted in the existing satellite WID”: 2 companies support this idea.  “The satellite par can be done in a miniWID”: 2 companies support. | Noted |
| 46 | 7.2 | [**S1-241138**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241138.zip) | Rakuten Mobile, Inc | pCR on new use case on dynamic RAN selection based on satellite energy availability | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This pCR introduces a new use case on dynamic RAN selection based on satellite energy availability | Proposed to be noted by the author | Noted |
| 23 | 7.2 | [**S1-241139**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241139.zip) | Rakuten Mobile, Inc | pCR on new case on network supporting UE energy saving requirement | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This pCR introduces a new use case on network supporting UE energy saving requirement |  | Noted |
| 24 | 7.2 | [**S1-241140**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241140.zip) | IIT Bombay | Provisioning of energy aware security in the network | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This document proposes a use case along with requirements to be considered for FS\_EnergyServ\_Ph2 in TR 22.883 |  | Revised to S1-241306 |
| 44 | 7.3 | [**S1-241141**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241141.zip) | IIT Bombay | Support for Mobile base station relays (MBSRs) through multi-orbit satellite networks | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | This document proposes a use case along with requirements to be considered for FS\_5GSAT\_Ph4 in TR 22.887 |  | Revised to S1-241281 |
| 36 | 4 | [**S1-241142**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241142.zip) | China Unicom | Progress of NetShare phase 2 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This is a discussion paper for the NetShare phase2 SID. The document describes the progress of the NetShare discussions, the main issues and the way forward. |  | Noted |
| 26 | 7.2 | [**S1-241143**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241143.zip) | IIT Bombay | Dynamic service adjustment support based on energy information | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This document proposes a use case along with requirements to be considered for FS\_EnergyServ\_Ph2 in TR 22.883 |  | Revised to S1-241307 |
| 10 | 10.1 | [**S1-241144**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241144.zip) | IIT Bombay | Study of some prospective KVs and their relationship with KPIs | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 43 | 4 | [**S1-241145**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241145.zip) | Nokia, Nokia Shanghai Bell, Telefonica, China Mobile, Huawei, Qualcomm, Samsung, Ericsson, Vodafone, Telecom Italia, LG Uplus | New SID: Study on user interaction in the IMS | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Orange to be added as supporting company.  Apple: thanks to Nokia to have answered all the questions from previous meeting. However, there are still a few concerns, like on spams, feedback on quality (when the user shares this data), some mentioned use cases, etc.  Several operators support: Telefonica, Vodafone. Ericsson also support.  UE vendors have concerns with this WID: Apple, Xiaomi, Google. Their concerns are privacy and to develop a service-specific solution.  More off-line discussions needed. | Revised to S1-241262 |
| 47 | 4 | [**S1-241146**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241146.zip) | Nokia, Nokia Shanghai Bell, Telefonica, China Mobile, Huawei, Qualcomm, Samsung, Ericsson, Vodafone, Telecom Italia, LG Uplus | Motivations for new SID on User interaction in IMS | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Supporting presentation for the SID |  | Noted |
| 35 | 8 | [**S1-241147**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241147.zip) | Xiaomi EV Technology | Views on 3GPP Stage 1 6G work | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Evolution than Revolution (Incubation of 6G killer applications from 5G network)  Alignment to ITU-R IMT-2030 design principles (Sustainability, security and resilience, connecting the unconnected and ubiquitous intelligence)  Support basic & major 5G features and services (Optimization and enhancements)  Support ITU-R 6G IMT-2030 new usage scenarios (Natively support ISAC, AI/ML, Ubiquitous Connectivity, etc)  Immersive Communication: Video Streaming, Online Gaming, Remote Work  ISAC: High resolution map; AI assisted sensing; Satellite/airborne sensing  AI : Network for application ; AI as a service (AIaaS); AI enabled for 6G Network  Ubiquitous connectivity: Integrated Satellite-Terrestrial  Communication; AI enabled predictive Satellite  Cell Movement; Multi-orbit coordination  Security : Inclusive authentication; Unified authorization; Dynamic privacy; Security for enhanced mobility  SA1 work organisation:  Option 1: One umbrella SID to follow 5G approach  Option 2: Multiple SIDs to follow ITU-R 6G IMT-2030 usage scenarios and design principle  Option 3: One umbrella SID including multiple Defined Building Blocks and multiple Open Building Block |  | Noted |
| 11 | 10.1 | [**S1-241148**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241148.zip) | Beijing Xiaomi Electronics | Three Pillars, KVs and KVIs | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This document provides input to the discussion on KVs and KVIs |  | Noted |
| 36 | 8 | [**S1-241149**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241149.zip) | IIT Bombay | Few Ideas on 6G | discussion |  |  |  |  |  |  |  | Key words:  6G Vision: A network for everyone, everything and everywhere  Holographic communication  Tactile and haptic Internet applications  Network and computing convergence  Extremely high-rate access  Connectivity for Everything  Extended Reality (XR)  Multidimensional sensing  Digital Twin  massive Machine Type Communication  Proliferation of intelligence  Global Seamless Coverage  Meaningful connectivity |  | Noted |
| 48 | 7.3 | [**S1-241150**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241150.zip) | IIT Bombay | Switching between multi-orbits satellite networks in defence applications | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | This document proposes a use case along with requirements to be considered for FS\_5GSAT\_Ph4 in TR 22.887 |  | Revised to S1-241282 |
| 02 | 7.3 | [**S1-241151**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241151.zip) | NOVAMINT | TR skeleton for TR22887 - FS\_5GSAT\_Ph4 | other |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241271 |
| 41 | 4 | [**S1-241152**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241152.zip) | Huawei, China Unicom | Pseudo-CR on use case of secured home care | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 08 | 3 | [**S1-241153**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241153.zip) | CATT | Reply LS on traffic steering andor switching of user data across two 3GPP access networks | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | Merged in S1-241244 | Merged into S1-241244 |
| 15 | 3 | [**S1-241154**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241154.zip) | CATT | Reply LS on affirming CT1's responsibilities for PLMN selection | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Proposed answer: “SA1 confirms that the Stage2 work on PLMN selection is CT1’s responsibility. Any (potential) impact on PLMN selection resulted from defined service requirements, e.g. that identified by SA2 in S2-2403670, can be further studied by CT1 in Stage2 work.” | See also the last sentence in 1173, aligned with the statement in this LS.  Samsung: SA1 is still responsible for 22.011, so the wording has to be clear not to give the impression that CT1 is the main responsible for network selection.  Qualcomm agrees with this, and don’t think any answer is needed.  Ericsson, Novamint: overall agree, but it is not SA1 to state the ToR of CT1 nor SA2.  It is assumed that this is not expecting any answer from SA1. | Noted |
| 52 | 7.3 | [**S1-241155**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241155.zip) | CATT | Use case on assisting vehicular communications via multi-orbits satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-241283 |
| 49 | 4 | [**S1-241156**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241156.zip) | CATT | Study on Collabration of dual 3GPP access | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241255 |
| 53 | 4 | [**S1-241157**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241157.zip) | CATT | Discussion on Collabration of dual 3GPP access | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Supporting presentation for the SID |  | Noted |
| 37 | 8 | [**S1-241158**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241158.zip) | CATT | Considerations on Rel-20 Part2 Study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | No keywords  SA1 work organisation:  One umbrella SI and one TR skeleton, then Brainstorming phase, then Building block SIs |  | Noted |
| 32 | 7.2 | [**S1-241159**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241159.zip) | NTT DOCOMO | p-CR on new use case on network supporting energy saving for battery-powered base station | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-241310 |
| 12 | 10.1 | [**S1-241160**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241160.zip) | Ericsson | Key values for SA1 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 56 | 7.3 | [**S1-241161**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241161.zip) | SES S.A., NOVAMINT, ESA | new use case on Reliable Multicast in Joint TN/NTN deployments | discussion | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241286 |
| 61 | 4 | S1-241162 | NEC | Motivation for the New Study on Enhancement of Upper Layer Traffic Steering and Switching over two 3GPP Access Networks | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241241 |
| 58 | 7.3 | [**S1-241163**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241163.zip) | SES S.A., NOVAMINT, ESA | new use case on Enhanced Support for SIM-Card Less Broadcast Services with Satellite Access System | discussion | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241287 |
| 59 | 4 | S1-241164 | NEC | New Study on Enhancement of Upper Layer Traffic Steering and Switching over two 3GPP Access Networks | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Novamint: main interest of DualSteer is for verticals, but the associated network selection is not in SA1. | Revised to S1-241265 |
| 56 | 7.2 | [**S1-241165**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241165.zip) | TNO, KPN | Carbon Certificates as a Service | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-241316 |
| 10 | 7.2 | [**S1-241166**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241166.zip) | TNO, KPN | Carbon Certificates as a Service | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Noted |
| 38 | 8 | [**S1-241167**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241167.zip) | KPN | KPN view on 6G | other |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-241234 |
| 02 | 10.2 | [**S1-241168**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241168.zip) | Nokia | Lessons learnt from 5G study: Coordination with SA2 study | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-241243 |
| 60 | 7.3 | [**S1-241169**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241169.zip) | Samsung | Network selection for satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Noted |
| 10 | 6.1 | [**S1-241170**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241170.zip) | Huawei | Removal of trademark and product name from Sensing TR | CR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) | 0022 |  | D | 19.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | To remove a non-essential trademark. |  | Revised to S1-241267 |
| 40 | 8 | [**S1-241171**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241171.zip) | DSIT | UK Government View: 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | High Level Priorities for 6G:  Security, Resilience, and Privacy  Open Networking and Interoperability: flexibility and modularity, API provision, inherent NTN integration  Sustainability: Reduction in overall energy consumption and GHG emissions  High-quality digital access for all  Seamless, ubiquitous coverage  Industrial IoT  AI-native network  Critical communications |  | Noted |
| 04 | 6.1 | [**S1-241172**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241172.zip) | Huawei | Addition of a NOTE regarding requirement on Service Enablement Layer | CR | [**22.125**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3545) | 0054 |  | F | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**UAS\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020059) |  | Merged in 1266 | Merged into S1-241266 |
| 11 | 3 | [**S1-241173**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241173.zip) | Huawei | Reply LS-traffic steering and/or switching of user data across two 3GPP access networks | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | DualSteer, FS\_MASSS |  |  | Revised to S1-241245 |
| 34 | 7.2 | [**S1-241174**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241174.zip) | China Telecommunications | Use case on dynamic user experience adjustment | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-241311 |
| 01 | 6.2 | [**S1-241175**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241175.zip) | Huawei | Permanent alignment between stage 1 and stages 2/3 for UAS | CR | [**22.125**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3545) | 0055 |  | F | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**UAS\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000032) | As discussed at SA1#105 in Athens, it has been identified that some requirements in TS 22.125 will not be met by downstream groups, even in future releases. In order to retain permanent alignment with stage 2 and stage 3 specifications, these requirements need to be removed permanently from TS 22.125. | “addition” to be deleted. Some editorial changes needed. | Revised to S1-241331 |
| 38 | 4 | [**S1-241176**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241176.zip) | China Unicom, Huawei, Xiaomi, KPN, AsiaInfo, CATT, China Mobile | New SID: Study of Enhanced 5G Resident | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This is the second time eResident discussion. The title of the SID and keywords in the objective have been checked, as well as content consistency and more supporting companies. |  | Revised to S1-241261 |
| 61 | 7.3 | [**S1-241177**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241177.zip) | vivo | Pseudo-CR on New use case on paging alert service | discussion |  |  |  |  |  |  |  | Gap analkysis and proposals for IMS voice call using GEO satellite access |  | Merge into 1285 |
| 07 | 6.1 | [**S1-241178**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241178.zip) | Huawei | add the definition pointer of Ambient IoT device | CR | [**22.369**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4232) | 0006 |  | D | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020030) |  | Problems on cover page | Revised to S1-241361 |
| 23 | 3 | [**S1-241179**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241179.zip) | Nokia | [DRAFT] Reply LS to request clarification on mobile metaverse services | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | Metaverse, FS\_Metaverse\_Sec |  |  | Merged to S1-241236 |
| 41 | 8 | [**S1-241180**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241180.zip) | InterDigital, Inc. | Interdigital 6G Vision and way forward for Rel.20 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Ease of deployment  Through smooth migration to 6G  • Minimize complexity in configurations and optionality  • Reduce OPEX and maintenance costs  • Critical communications  Reliability, resilience and low latency  • Satisfy both public and private time critical communications needs  • Integration of verticals  Application, computing, comms and data collection  • Open new business and monetization opportunities  • Security and privacy  Enable new MNO-driven services  Enable new consumer/industrial  services  Automate with a unified AI/ML LCM framework across layers  Increase energy efficiency  Streamline protocols and procedures  SA1 work organisation:  One umbrella SID, supported by separate “feature-SIDs | Wrong file put on the server | Revised to S1-241342 |
| 60 | 7.2 | [**S1-241181**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241181.zip) | Nokia | pCR on New Use case on proposing incentives to users for network energy saving | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-241317 |
| 67 | 4 | [**S1-241182**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241182.zip) | Vodafone | Monitoring of traffic in 5G | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0791 |  | B | 19.6.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | New section 6.XX that adds the requirements on 5G network to enable the relevant functionality. | Needs a MiniWID  Siemens: how to take care that this is in agreement with the user, and/or is it just statistical data. And concern on the remark on automation.  Vodafone: this is coming from a GSMA LS.  Several companies to be involved in off-line re-drafting. | Revised to S1-241269 |
| 02 | 4 | [**S1-241183**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241183.zip) | NOVAMINT, SES, THALES, ESA, Inmarsat, Viasat | Revised SID: Study on satellite access - Phase 4 | SID revised |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | Two objectives are added | Apple: there is no justification on why to add these two objectives  Vodafone: also need more justification  Huawei: more discussions needed off-line  Nokia: what is new on top of RAN2 is already doing has to be highlighted. Energy consumption aspects have to be considered. | Revised to S1-241251 |
| 43 | 8 | [**S1-241184**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241184.zip) | Sharp Corp. | Sharps view on 6G use cases | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-241232 |
| 45 | 8 | [**S1-241185**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241185.zip) | Sharp Corp. | sharp's view on 6G SI organization | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-241232 |
| 62 | 7.3 | [**S1-241186**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241186.zip) | Nokia | Use case on broadband services through multi-orbit satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-241242 |
| 55 | 4 | [**S1-241187**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241187.zip) | CableLabs | New SID on enhanced support for Multi-USIM (MUSIM) UE | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This is to improve MUSIM UE and Network Energy Savings (optimize paging procedure for minimal/no interruption on active connection and to allow longer sleep cycle of UE, traffic steering between PLMNs based on network energy saving features of the networks.); the ability to provide unified coverage and service capabilities across multiple PLMNs belonging to the same operator where each PLMN is associated with a SIM (e.g., service traffic split over PLMNs); and get a ap analysis in supporting 2Tx/2Rx in a resource efficient manner. | Samsung: all these points were raised for Rel-17 but failed to be solved  CableLabs, ChinaUnicom and vivo support.  No other support. | Revised to S1-241264 |
| 57 | 4 | [**S1-241188**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241188.zip) | CableLabs | Study on enhanced support for Multi-USIM (MUSIM) UE | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Supporting presentation for the SID |  | Noted |
| 46 | 8 | [**S1-241189**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241189.zip) | Vodafone | Vodafone’s view on 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Keywords:  Be sure that 6G delivers value  Avoid industry race to the introduction of 6G  Any new 6G radio interface should demonstrate significant incremental benefit over 5G/5G Advanced  6G should be software oriented,  6G should be a smooth evolution from 5G / 5G Advanced  latency and capacity will improve, and it will not be due to new technology but to the improvement in the efficiency of the network  We need coverage. If no coverage, no service.  we are still learning what 5G can truly offer  This is also the view of operators and verticals as expressed at the SA1 workshop. | Comments: software oriented (slide 4): might contradict with Energy Efficiency and cost reduction | Noted |
| 02 | 7.1 | [**S1-241190**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241190.zip) | Union Inter. Chemins de Fer | Update and Gap analysis of Transfer (Divertion) of an incoming voice communication | CR | [**22.989**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0031 |  | C | 19.4.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_FRMCS\_Ph6**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030043) | Call divertion in Ad hoc Group calls | FS\_EnergyServ\_Ph2 | Revised to S1-241300 |
| 05 | 7.3 | [**S1-241191**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241191.zip) | NOVAMINT (Rapporteur) | Workplan for FS\_5GSAT\_Ph4 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Content to be included in the SID report | Noted |
| 68 | 7.3 | [**S1-241192**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241192.zip) | Google, DISH Network | Use Case on Emergency Texting over IoT NTN | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | This PCR proposes a new use case on Emergency texting over IoT NTN for inclusion in TR 22.887. |  | Revised to S1-241273 |
| 47 | 8 | [**S1-241193**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241193.zip) | Siemens AG | Industrial Perspective on 6G | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-241256 |
| 49 | 8 | [**S1-241194**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241194.zip) | Bosch, Siemens, Continental, GE Network Technologies, Fraunhofer IIS, NICT | Vertical’s view on 6G: 3GPP Subnetworks | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Massive communication  Increased number of connected devices/systems  Local communication within the systems  Use case specific local networks  Ubiquitous connectivity  Possibility of uninterrupted local communication  Local communication in out-of-coverage scenarios  Subnetworks  Non-Terrestrial Networks  Non-Public Networks (NPN) |  | Noted |
| 50 | 8 | [**S1-241195**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241195.zip) | NOVAMINT | Novamint view’s on 6G – A global perspective | discussion |  |  |  |  |  |  |  | 5G market is far to have been concretized  6G shall be an evolution of 5G  NTN, SNPN, LPWA, vertical use cases  Dependable real-time (XR , Metaverse. Digital twin, Low latency services, Compute network convergence)  IoT (LPWA, Broadband IoT / RedCap evolution)  Ubiquitous and resilient connectivity (Unified TN+NTN, GNSS independent operation)  Energy efficiency  Cross Network Enablers (Network Selection) |  | Noted |
| 46 | 3 | [**S1-241196**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241196.zip) | AECC\_3GPP\_LS\_Mar2024 | LS on Updated AECC Publications for Future Connected Vehicle Services | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 14 | 3 | [**S1-241197**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241197.zip) | C1-242955 | LS affirming CT1's responsibilities for PLMN selection | LS in |  |  |  |  |  |  |  | TO:  CT1 noticed that SA2 in LS S2-2403670/C1-242045, is requesting clarification to SA1 on stage 1 PLMN selection.  CT1 wishes to indicate that CT1 is the only 3GPP WG responsible for developing the stage 2 for PLMN selection. Thus should SA1 decide there are any PLMN selection impacts to the question raised by SA2 in S2-2403670/C1-242045, the stage 2 work (in TS 23.122) for PLMN selection regardless of FS, SI or WI, remains the sole responsibility of CT1. | It is assumed that this is not expecting any answer from SA1. | Noted |
| 47 | 3 | [**S1-241198**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241198.zip) | C3-241567 | Reply LS on Support of interworking between SA4 RTC and IMS | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 48 | 3 | [**S1-241199**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241199.zip) | C4-241522 | Reply LS on the Modified PRINS solution | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 35 | 3 | [**S1-241200**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241200.zip) | LIAISE-654\_MTFWA | Multi-Tenant FWA | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 36 | 3 | **[S1-241201](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241201.zip)** | ls41-attach-FGMV-O-235 | LS on vocabulary for metaverse | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 49 | 3 | [**S1-241202**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241202.zip) | R3-241183 | Reply LS on the progress update of AI/ML Management specifications in SA5 | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 50 | 3 | [**S1-241203**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241203.zip) | R3-241204 | Reply LS on the service requirement of restricting satellite access RAT type | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 51 | 3 | [**S1-241204**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241204.zip) | S2-2403444 | LS Reply to SA5 on LS on new definitions of energy efficiency and energy consumption | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 02 | 3 | [**S1-241205**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241205.zip) | S2-2403670 | LS on traffic steering and/or switching of user data across two 3GPP access networks | LS in |  |  |  |  |  |  |  | TO:  In TS 22.261, clause 6.50, Traffic steering and switching over two 3GPP access networks, has the following requirement:  "For traffic steering and/or switching of user data across two 3GPP access networks, the 5G system shall be able to allow a HPLMN to provide policies and criteria for a DualSteer device to connect to an additional PLMN/NPN, or an additional RAT within the same PLMN."  Question: is this meant to address any impact to PLMN selection? | There is no impact on SA1 according to MediaTek (S1-241090), OPPO (S1-241126), and Huawei (S1-241173), whereas there is an impact on SA1 for Qualcomm (LS in S1-241073, CR S1-241074 and S1-241239), Ericsson, CATT (S1-241153) , Apple (who proposes to have it done in Rel-19), InterDigital, Nokia, Novamint. Novaming: network selection is a topic that has already been lacking some clear Stage 1, when this is a fundamental need for the system, and SA1 should be dedicating more time on this. China Telecom and Philips also think more work is needed.  S1-241244 is given for the side believing there is an SA1 impact (Qualcomm, etc.)  S1-241245 is given for the side believing there is no SA1 impact (Mediatek, etc.) | Postponed |
| 52 | 3 | [**S1-241206**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241206.zip) | S2-2403733 | LS on per UE energy consumption in RAN | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 17 | 3 | [**S1-241207**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241207.zip) | S2-2403843 | Reply LS on Robust Notification Alert | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 53 | 3 | [**S1-241208**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241208.zip) | S2-2403844 | Reply LS on Support of interworking between SA4 RTC and IMS | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 54 | 3 | [**S1-241209**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241209.zip) | S2-2403851 | Reply LS on UE Location Information for NB-IoT NTN | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 55 | 3 | [**S1-241210**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241210.zip) | S2-2405210 | LS on 5GS missing CBC support for shared networks | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 56 | 3 | [**S1-241211**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241211.zip) | S2-2405815 | Reply LS on data plane control by roaming hubs | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 57 | 3 | [**S1-241212**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241212.zip) | S2-2405816 | Reply LS from SA2 on Updated AECC Publications for Future Connected Vehicle Services | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 58 | 3 | [**S1-241213**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241213.zip) | S3-240836 | Reply LS on Ranging/SL Positioning service exposure security and privacy check | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 59 | 3 | [**S1-241214**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241214.zip) | S3-240887 | Reply LS on Roaming Hub requirements as applicable to the Modified PRINS solution | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 60 | 3 | [**S1-241215**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241215.zip) | S3-240888 | Reply LS on IPX Service Hub requirements as applicable to the Modified PRINS solution | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 61 | 3 | [**S1-241216**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241216.zip) | S3-240947 | Reply LS on service authorization for/to partner MC system | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 19 | 3 | [**S1-241217**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241217.zip) | S3-241497 | LS to request clarification on mobile metaverse services | LS in |  |  |  |  |  |  |  | TO: | Replied in 1351 | Replied to |
| 62 | 3 | [**S1-241218**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241218.zip) | S5-241924 | LS Reply to SA4 on 3GPP work on energy efficiency | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 63 | 3 | [**S1-241219**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241219.zip) | S6-240404 | Reply LS on service authorization for/to partner MC system | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 28 | 3 | [**S1-241220**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241220.zip) | S6-241370 | LS on Clarification related to MC gateway UE requirements | LS in |  |  |  |  |  |  |  | TO:  2 questions: When an MCX user uses multiple devices simultaneously e.g., two devices as shown in the figure below, whether it allows:  a. Two devices simultaneously connect to the same gateway UE for the same MC service, i.e., MCPTT call #1 and MCPTT call #2 in the figure?  b. Two devices simultaneously connect to different gateway UEs for the same MC service, i.e., MCPTT call #1 and MCPTT call #3 in the figure? | Replied in 1336 | Replied in 1336 |
| 37 | 3 | [**S1-241221**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241221.zip) | SG13-LS155 | LS on initiation of the draft new Technical Report ITU-T TR.URCN-req ""Service Requirements of Ubiquitous Real Time Communication Network for future networks"" | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 38 | 3 | [**S1-241222**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241222.zip) | SG13-LS164 | LS on agreement of new Supplement 81 to ITU-T Y.3200-series (ex Y.Sat-Use-Cases) ""Use cases of satellite communications in developing countries"", | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 39 | 3 | [**S1-241223**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241223.zip) | SG13-LS170 | LS on consent of draft new Recommendation ITU-T Y.3186 (ex Y.IMT2020-DJLML) ""Requirements and framework for distributed joint learning to enable machine learning in future networks including IMT-2020"" | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 40 | 3 | [**S1-241224**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241224.zip) | SG13-LS177 | LS on initiation of new work item ITU-T Y.ESBN ""Enhanced service-based network in IMT-2020 networks and beyond"" | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 41 | 3 | [**S1-241225**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241225.zip) | sp17-fg-mv-oLS-00040 | LS on Results of the fifth meeting of the FG-MV | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 42 | 3 | [**S1-241226**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241226.zip) | sp17-fg-mv-oLS-00041 | LS on vocabulary for metaverse | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 43 | 3 | [**S1-241227**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241227.zip) | sp17-fg-mv-oLS-00042 | LS on definition of CitiVerse | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 44 | 3 | [**S1-241228**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241228.zip) | sp17-fg-mv-oLS-00044 | LS on Results of the sixth meeting of the FG-MV | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 45 | 3 | [**S1-241229**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241229.zip) | sp17-sg17-oLS-00096 | LS on the proposal for a new work item: Security guidelines for data of coordination of networking and computing | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 64 | 3 | [**S1-241230**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241230.zip) | SP-240503 | LS on the Modified PRINS solution | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
|  | 1 | [**S1-241231**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_106_Jeju/Docs/S1-241231.zip) | KT Corp. | Welcome speech and practical info for SA1#106 | other |  |  |  |  |  |  |  |  |  | Noted |
| 44 | 8 | S1-241232 | Sharp Corp. | Sharps view on 6G use cases | discussion |  |  |  |  |  |  |  | Replaces S1-241184  Keywords:  ISAC  AI/ML  Green Communications  Security  V2X  Automation of Network  SA1 work organisation:  an initial “Umbrella” type study item then Define a small number of building blocks | Revision of S1-241184. | Noted |
| 64 | 4 | S1-241233 | Vodafone | mini WID for the CR 0791 in S1-241182 | WID |  |  |  |  |  |  |  | mini WID for the CR 0791 in S1-241182 | Moved from 6.1 | Revised to S1-241268 |
| 39 | 8 | S1-241234 | KPN | KPN view on 6G | other |  |  |  |  |  | **Rel-20** |  | Keywords:  Migration not revolution  Sustainable digital society  Ubiquitous intelligence  Indoor coverage  Voice, roaming and interconnect from the start | Revision of S1-241167. | Noted |
| 16 | 8 | S1-241235 | Thales, TNO, Airbus, Novamint, CEWiT | Views on 6G SA1 study item(s) | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241041  Presented by TNO  Keywords:  Evolution of 5G  Backward compatibility  Security, Trustworthiness, ubiquitous coverage, sustainability, resiliency aspects  Ubiquitous and resilient connectivity, NTN | Vodafone: satellite implies limited total bandwidth, so either a few UEs are supported or all UEs are supported but with a very low bitrate. You cannot have both.  Ericsson: NTN means here LEO, GEO, MEO, all of the above?  TNO: depending of the cases, it will be different possibilities, even UAV or helicopter | Noted |
| 24 | 3 | S1-241236 | Huawei | Reply LS on clarification on mobile metaverse services | LS out |  |  |  |  |  | **Rel-19** |  | Proposed answer to 1217.  Merging of S1-241080, S1-241081 and S1-241179  The 16 questions asked by SA3 are answered. | Note: this draft LS out has been prepared before receiving SA6’s reaction to the SA3’s LS in 1238.  About Q3: KPN think this is not a Stage 1 discussion, and this view might be shared by Qualcomm. This needs to be further discussed.  Q4: Stage 1.  Q5: “This is up to stage 2.” Has to be deleted since this is not SA1’s task. It will be replaced by “This is not up to SA1”. To be checked against SA6’s LS in 1238.  Q7: check off-line with T-Mobile  Q8: definition to be added  Q12 to be checked off line with T-Mobile about “(e.g. the owner) “  Q13: replace by “out of our scope”  Q16: Nokia: there is a typo in SA3’s LS: it should be “besides IMS ” instead of besides non-IMS ”  Chair: quoted requirements should appear more clearly, e.g. using italics, or quotation marks | Revised to S1-241249 |
| 07 | 10.1 | S1-241237 | Orange | Discussion paper Key Value (KVs) and Key Value Indicators (KVIs) | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241040 | Revision of S1-241040. | Noted |
| 20 | 3 | S1-241238 | S6-242734 | Reply LS on request clarification on mobile metaverse services | LS in |  |  |  |  |  |  |  |  | Replied in 1351 | Replied to |
| 07 | 3 | S1-241239 | QUALCOMM | 22.011 CR on DualSteer NW selection | CR | **22.011** | 0360 | 1 | F | 19.3.0 | **Rel-19** | **DualSteer** | Replaces S1-241075 | Revision of S1-241075. | Noted |
| 52 | 8 | S1-241240 | ISSDU, III, NYCU, GE Network Technologies | Enable Quantum-Safe Cryptography for 6G | discussion |  |  |  |  |  |  |  | Replaces S1-241059  Keyword:  Quantum Safe Cryptography (QSC) | Revision of S1-241059. | Noted |
| 62 | 4 | S1-241241 | NEC | Motivation for the New Study on Enhancement of Upper Layer Traffic Steering and Switching over two 3GPP Access Networks | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241162 | Revision of S1-241162. | Noted |
| 63 | 7.3 | S1-241242 | Nokia | Use case on broadband services through multi-orbit satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241186 | Revision of S1-241186. | Revised to S1-241284 |
| 03 | 10.2 | S1-241243 | Nokia | Lessons learnt from 5G study: Coordination with SA2 study | discussion |  |  |  |  |  |  |  | Replaces S1-241168 | Revision of S1-241168. | Noted |
| 04 | 3 | S1-241244 | QUALCOMM | Reply LS on DualSteer NW selection | LS out |  |  |  |  |  | **Rel-19** |  | Replaces S1-241073 | Revision of S1-241073. | Noted |
| 12 | 3 | S1-241245 | Huawei | Reply LS-traffic steering and/or switching of user data across two 3GPP access networks | LS out |  |  |  |  |  | **Rel-19** | **DualSteer, FS\_MASSS** | Replaces S1-241173 | Revision of S1-241173. | Noted |
| 04 | 8 | S1-241246 | SK telecom | SK Telecom’s View on Future Telco. Infrastructure | discussion |  |  |  |  |  | Rel-20 |  | Replaces S1-241015  Top Key topics:  6G should support more intelligent AI/Cloud/Energy-related core network  Also: Immersive  Communication, HRLLC, Massive  Communication, ISAC, Ubiquitous  Communication | Oppo : how to attract innovative services in 6G?  Vodafone: all applications are optimised for WiFi, mobilde data is just a side way (10% of the traffic) to access the internet | Noted |
| 12 | 7.3 | S1-241247 | vivo | Discussion paper on New use case on IMS voice call using GEO satellite access | Discussion | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241071 | Revision of S1-241071. | Noted |
| 14 | 7.3 | S1-241248 | vivo | Pseudo-CR on New use case on IMS voice call using GEO satellite access | pCR | **22.887** |  |  |  |  | **Rel-20** |  | Replaces S1-241072 | Revision of S1-241072. | Revised to S1-241274 |
| 25 | 3 | S1-241249 | Huawei | Reply LS on clarification on mobile metaverse services | LS out |  |  |  |  |  | **Rel-19** |  | Replaces S1-241236 | Revision of S1-241236. | Revised to S1-241351 |
| 30 | 3 | S1-241250 | Ericsson | (DRAFT) Reply- LS on Clarification related to MC gateway UE requirements | LS out |  |  |  |  |  | **Rel-19** |  | Replaces S1-241013 | Linked CR in S1-241333 | Revised to S1-241336 |
| 03 | 4 | S1-241251 | NOVAMINT, SES, THALES, ESA, Inmarsat, Viasat | Revised SID: Study on satellite access - Phase 4 | SID revised |  |  |  |  |  | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241183 | Revision of S1-241183. | Revised to S1-241352 |
| 13 | 8 | S1-241252 | Samsung Electronics Czech | On the 6G Stage 1 Study | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241037  Keywords:  Ubiquitous Coverage  Sustainable Network  Computation as a Service in the 6G system, including AI-Native & offloading.  Immersive Communication, Real-Time Actuation, High Resilience  Minimal network complexity  SA1 work organisation::  Structure one TR to make incremental progress.  Add other TRs, subdivisions, building blocks, etc. as needed.  Timeline provided. | Samsung: there is no procedural reasons why we cannot achieve early consensus. | Noted |
| 02 | 10.1 | S1-241253 | Nokia | Considerations on defining KVs for 6G study in SA1 | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241019 | Revision of S1-241019. | Noted |
| 04 | 10.1 | S1-241254 | Nokia | Considerations on implementing KVs for 6G study in SA1 | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241020 | Revision of S1-241020. | Noted |
| 50 | 4 | S1-241255 | CATT | Study on Collabration of dual 3GPP access | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241156.  This study item intends to investigate the use cases and potential service requirements for authorized 3rd party involved collaboration of dual 3GPP access of one device , regarding network capability exposure about the information related to dual 3GPP access (e.g. reachability, radio characteristics, etc) and policy for different services(e.g. positioning, messaging service) | Qualcomm: this can be a miniWID.  Nokia, T-Mobile: these 2 bullets are not clear. What is exposed?  Nec: there are already some exposure provided. This has to be clarified. | Revised to S1-241263 |
| 48 | 8 | S1-241256 | Siemens AG | Industrial Perspective on 6G | discussion |  |  |  |  |  |  |  | Keywords:  6G needs to be an evolution of 5G  Simplicity and maintainability  Reduced Complexity  Private Networks  Modularity and Extensibility  Dependability and resilience  Use Cases and Requirements  Industrial 5G/6G/...  Integration into IIOT  Sustainability:  Energy Efficiency  Evolution from 5G to 6G  “Enablement-Effect” (More efficient processes and utilization of resources in  different industrial domains to support a circular economy)  Key 6G technology enablers:  Subnetworks and support  for direct communication  Utilization of AI and  decentralized intelligence  Joint communication and  sensing and digital twins | Replaces S1-241193 | Noted |
| 15 | 4 | S1-241257 | QUALCOMM | New SID on Supplemental NW extension | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241077 | Revision of S1-241077. | Revised to S1-241353 |
| 21 | 4 | S1-241258 | Deutsche Telekom | New SID on Additional Registration to a Network | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241084 | Revision of S1-241084.  Huawei, Oppo: wait until we see what is going on in Rel-19 before proposing this SID for Rel-20  QC: a miniWID is also possible.  Chair: this can be brought again at the next meeting to check the progress. | Noted |
| 26 | 4 | S1-241259 | China Unicom, China Telecom | New SID: Study on Multi-network Interoperability Enhancement | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241097 | Revision of S1-241097.  QC, Ericsson: a miniWID would be better  Mediatek: not clear what is meant to be done  Is it supported by GSMA? | Revised to S1-241354 |
| 31 | 4 | S1-241260 | ZTE, CEPRI, China Unicom, China Telecom, CMCC, vivo, AsianInfo | New SID on Study on Enhanced Group Communication Service | SID new |  |  |  |  |  |  |  | Replaces S1-241106 | Revision of S1-241106.  MCC: “Group Call” has been in the standard since at least Rel-7. It should be more explicit. | Revised to S1-241355 |
| 39 | 4 | S1-241261 | China Unicom, Huawei, Xiaomi, KPN, AsiaInfo, CATT, China Mobile | New SID: Study of Enhanced 5G Resident | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241176 | Revision of S1-241176.  MiniWID preferred by several companies. | Noted |
| 44 | 4 | S1-241262 | Nokia, Nokia Shanghai Bell, Telefonica, China Mobile, Huawei, Qualcomm, Samsung, Ericsson, Vodafone, Telecom Italia, LG Uplus | New SID: Study on user interaction in the IMS | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241145 | Revision of S1-241145.  Still some concerns from Apple and Google:  Some solutions already exist and have been developed e.g. in RAN, and they have security and privacy concerns.  Xiaomi: a miniWID can be a solution.  Vivo: some solutions have already been developed at the application level also.  Ericsson: “privacy issues” hard to accept: it will be under a contractual agreement between the user and the operator. “application”: not enough.  Vivo: support miniWID also, if needed.  Samsung: this is a “black box” completely controlled by the operator. USSD can be a starting point and check how to evolve it. With this approach, and since USSD already exists for long, there is no need to develop a brand new mechanism.  Nokia: this is a solution. SA1 should define the requirements.  Rakuten: this is an ongoing problem for long. It has to be solved one way or the other.  Telefonica: a miniWID would not make sense. A study is what is needed, to check if there are problems, existing solutions, etc.  Nokia: GSMA white paper has been considered. There is a gap to be solved.  Supporting: 12 companies  Chair: more off-line discussions given. A minority of companies cannot block what is asked by a majority of other companies. | Revised to S1-241359 |
| 51 | 4 | S1-241263 | CATT | Study on Collaboration of dual 3GPP access | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241255 | QC: multiSIM or not? | Revised to S1-241360 |
| 56 | 4 | S1-241264 | CableLabs | New SID on enhanced support for Multi-USIM (MUSIM) UE | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241187 | Revision of S1-241187.  Huawei: Multi-SIM-related work in 3GPP should be related to mis operation, and not to optimisations. | Noted |
| 60 | 4 | S1-241265 | NEC | New Study on Enhancement of Upper Layer Traffic Steering and Switching over two 3GPP Access Networks | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241164 | Revision of S1-241164.  Proposed to be noted by the author. | Noted |
| 03 | 6.1 | S1-241266 | InterDigital | Alignment of terminology for requirements | CR | **22.125** | 0052 | 4 | F | 19.1.0 | **Rel-19** | **UAS\_Ph3** | Replaces S1-241029 | Revision of S1-241028. Revision of S1-241029. Additional Supporting companies. | Agreed |
| 11 | 6.1 | S1-241267 | Huawei | Removal of trademark and product name from Sensing TR | CR | **22.837** | 0022 | 1 | D | 19.3.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-241170 | Revision of S1-241170.  Was to be updated to S1-241365 but confusion with numbers. | Revised to S1-241395 |
| 65 | 4 | S1-241268 | Vodafone | mini WID for the CR 0791 in S1-241182 | WID |  |  |  |  |  |  |  | Replaces S1-241233 | Moved from 6.1 Revision of S1-241233.  Section 8 should be empty  Acronym missing | Revised to S1-241367 |
| 68 | 4 | S1-241269 | Vodafone | Monitoring of traffic in 5G | CR | **22.261** | 0791 | 1 | B | 19.6.0 | **Rel-19** | **DUMMY** | Replaces S1-241182 | Needs a MiniWID Moved from 6.1 Revision of S1-241182.  No change on change, no change on cover page. | Revised to S1-241366 |
| 37 | 7.3 | S1-241270 | China Mobile | pCR on use case on emergency communication using satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241118 | Revision of S1-241118. | Revised to S1-241277 |
| 03 | 7.3 | S1-241271 | NOVAMINT (Rapporteur) | TR skeleton for TR22887 - FS\_5GSAT\_Ph4 | other |  |  |  |  |  | **Rel-20** |  | Revision of S1-241151 | Revision of S1-241151. | Revised to S1-241280 |
| 07 | 7.3 | S1-241272 | ISSDU, III | Pseudo-CR on New use case on Resilient Satellite Communication with Isolated Operation Mode for Public Safety | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241060 | Revision of S1-241060. | Revised to S1-241386 |
| 69 | 7.3 | S1-241273 | Google, DISH Network | Use Case on Emergency Texting over IoT NTN | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241192 | Revision of S1-241192. | Revised to S1-241294 |
| 15 | 7.3 | S1-241274 | vivo | Pseudo-CR on New use case on IMS voice call using GEO satellite access | pCR | **22.887** |  |  |  |  | **Rel-20** |  | Revision of S1-241248 | Revision of S1-241072. Revision of S1-241248. | Revised to S1-241291 |
| 20 | 7.3 | S1-241275 | EchoStar | 5G system with satellite access to support Robust Notifictaion Alert | discussion |  |  |  |  |  | **Rel-20** |  | Revision of S1-241082 | Revision of S1-241082. | Revised to S1-241285 |
| 32 | 7.3 | S1-241276 | ETRI, Nokia | Use case on service continuity through multi-orbit satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241133 | Revision of S1-241112. Revision of S1-241133. | Revised to S1-241292 |
| 38 | 7.3 | S1-241277 | China Mobile | pCR on use case on emergency communication using satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241270 | Revision of S1-241118. Revision of S1-241270. | Withdrawn |
| 40 | 7.3 | S1-241278 | China Mobile | New use case on multi-orbits access supporting different services | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241130 | Revision of S1-241130. | Withdrawn |
| 42 | 7.3 | S1-241279 | China Mobile | New use case on supporting remote sensing in satellite | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241131 | Apple: The title does not fit to the content anymore. Second potential requirement seems to be already possible with current system. | Revised to S1-241372 |
| 04 | 7.3 | S1-241280 | NOVAMINT (Rapporteur) | TR skeleton for TR22887 - FS\_5GSAT\_Ph4 | other |  |  |  |  |  | **Rel-20** |  | Revision of S1-241271 | Revision of S1-241151. Revision of S1-241271. | Agreed |
| 45 | 7.3 | S1-241281 | IIT Bombay | Support for Mobile base station relays (MBSRs) through multi-orbit satellite networks | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241141 | Revision of S1-241141. | Revised to S1-241387 |
| 49 | 7.3 | S1-241282 | IIT Bombay | Switching between multi-orbits satellite networks in defence applications | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241150 | Revision of S1-241150. | Revised to S1-241388 |
| 53 | 7.3 | S1-241283 | CATT | Use case on assisting vehicular communications via multi-orbits satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241155 | Revision of S1-241155. | Revised to S1-241293 |
| 64 | 7.3 | S1-241284 | Nokia | Use case on broadband services through multi-orbit satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241242 | Revision of S1-241186. Revision of S1-241242. | Revised to S1-241362 |
| 21 | 7.3 | S1-241285 | EchoStar | 5G system with satellite access to support Robust Notifictaion Alert | discussion |  |  |  |  |  | **Rel-20** |  | Revision of S1-241275 | Revision of S1-241082. Revision of S1-241275. | Revised to S1-241290 |
| 57 | 7.3 | S1-241286 | SES, NOVAMINT, ESA | new use case on Reliable Multicast in Joint TN/NTN deployments | discussion | **22.887** |  |  |  |  | **Rel-20** |  | Revision of S1-241161 | Revision of S1-241161.  It cannot be agreed until the new SID is not agreed. | Noted |
| 59 | 7.3 | S1-241287 | SES, NOVAMINT, ESA | new use case on Enhanced Support for SIM-Card Less Broadcast Services with Satellite Access System | discussion | **22.887** |  |  |  |  | **Rel-20** |  | Revision of S1-241163 | Revision of S1-241163.  It cannot be agreed until the new SID is not agreed. | Noted |
| 15 | 10.1 | S1-241288 | Nokia, Samsung | Proposed way forward on Key Values for 6G study in SA1 |  |  |  |  |  |  |  |  |  |  | Revised to S1-241383 |
| 27 | 7.3 | S1-241289 | China Telecom | UC on traffic over different orbit satellites | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241111 | Revision of S1-241111. | Revised to S1-241370 |
| 22 | 7.3 | S1-241290 | EchoStar, Dish Network, Novamint, SES, Thales, Vivo, Sateliot, Viasat, Inmarsat | 5G system with satellite access to Resilient/Robust Notification | discussion |  |  |  |  |  | **Rel-20** |  | Revision of S1-241285 | Revision of S1-241082. Revision of S1-241275. Revision of S1-241285. | Revised to S1-241369 |
| 16 | 7.3 | S1-241291 | vivo, Inmarsat, Viasat, China Mobile, Novamint, China Telecom, EchoStar, Huges, Qualcomm, MediaTek Inc. | Pseudo-CR on New use case on IMS voice call using GEO satellite access | pCR | **22.887** |  |  |  |  | **Rel-20** |  | Revision of S1-241274 | Revision of S1-241072. Revision of S1-241248. Revision of S1-241274. | Revised to S1-241368 |
| 33 | 7.3 | S1-241292 | ETRI, Nokia | Use case on service continuity through multi-orbit satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241276 | “5G network” to be changed by “5G System”  “may”-> “might” in the note | Revised to S1-241371 |
| 54 | 7.3 | S1-241293 | CATT | Use case on assisting vehicular communications via multi-orbits satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241283 | Revision of S1-241155. Revision of S1-241283. | Revised to S1-241389 |
| 70 | 7.3 | S1-241294 | Google, DISH Network | Use Case on Emergency Texting over IoT NTN | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Revision of S1-241273 | Revision of S1-241192. Revision of S1-241273. | Revised to S1-241391 |
| 13 | 10.1 | S1-241295 | Huawei | Proposed way forward on Key Values for 6G study in SA1 |  |  |  |  |  |  |  |  |  |  | Revised to S1-241382 |
|  | 99 | S1-241296 |  | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-241297 |  | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-241298 |  | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-241299 |  | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
| 03 | 7.1 | S1-241300 | UIC | Update and Gap analysis of Transfer (Divertion) of an incoming voice communication | CR | **22.989** | 0031 | 1 | C | 19.4.0 | **Rel-20** | **FS\_FRMCS\_Ph6** | Revision of S1-241190 | Revision of S1-241190. | Revised to S1-241363 |
| 12 | 7.2 | S1-241301 | AsiaInfo | Reserved Yusuke | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241024 | Revision of S1-241024. | Noted |
| 14 | 7.2 | S1-241302 | China Mobile | New use case on supporting information exposure and service adjustment based on energy supply mix | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241128 | Revision of S1-241128. | Revised to S1-241319 |
| 05 | 7.2 | S1-241303 | MediaTek | Use Case on ECO Indication of Communication Service | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241049 | Revision of S1-241049. | Noted |
| 07 | 7.2 | S1-241304 | LG Electronics | New use case “Energy grade information exposure” | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241103 | Revision of S1-241103. | Noted |
| 09 | 7.2 | S1-241305 | Rakuten Mobile | pCR on new use case on Renewable Energy Status Notification | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241136 | To be merged into 1049 (to be revised) Revision of S1-241136.  Huawei: might not have the expected impact  T-Mobile, Apple: still have concerns, including on wording and unclarities. | Noted |
| 25 | 7.2 | S1-241306 | IIT Bombay | Provisioning of energy aware security in the network | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241140 | Revision of S1-241140. | Noted |
| 27 | 7.2 | S1-241307 | IIT Bombay | Dynamic service adjustment support based on energy information | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241143 | Revision of S1-241143. | Revised to S1-241309 |
| 20 | 7.2 | S1-241308 | Vivo | New use case on energy saving service for UE | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241134 | Revision of S1-241134. | Revised to S1-241374 |
| 28 | 7.2 | S1-241309 | IIT Bombay | Dynamic service adjustment support based on energy information | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241307 | Revision of S1-241143. Revision of S1-241307. | Revised to S1-241321 |
| 33 | 7.2 | S1-241310 | NTT DOCOMO | p-CR on new use case on network supporting energy saving for battery-powered base station | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241159 | Revision of S1-241159. | Noted |
| 35 | 7.2 | S1-241311 | China Telecommunications | Use case on dynamic user experience adjustment | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241174 | Revision of S1-241174. | Revised to S1-241323 |
| 39 | 7.2 | S1-241312 | AsiaInfo | Pseudo-CR on New use case on Renewable Energy Prioritization for VNF Deployment | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241026 | Revision of S1-241026. | Revised to S1-241356 |
| 44 | 7.2 | S1-241313 | ZTE | New use case on energy sources information used for network node selection | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241135 | Revision of S1-241135. | Revised to S1-241324 |
| 48 | 7.2 | S1-241314 | AsiaInfo | Pseudo-CR on New use case on Incentive Mechanism for User Energy Saving | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241025 | Revision of S1-241025. | Revised to S1-241357 |
| 53 | 7.2 | S1-241315 | Samsung | pCR 22.883 Advice of Energy Use | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241035 | Revision of S1-241035. | Revised to S1-241320 |
| 57 | 7.2 | S1-241316 | TNO, KPN | Carbon Certificates as a Service | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241165 | Revision of S1-241165. | Revised to S1-241380 |
| 61 | 7.2 | S1-241317 | Nokia | pCR on New Use case on proposing incentives to users for network energy saving | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241181 | Revision of S1-241181. | Revised to S1-241322 |
| 03 | 7.2 | S1-241318 | Nokia | pCR on TR 22.883 cleanup | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241066 | Keep this open Revision of S1-241066. | Agreed |
| 15 | 7.2 | S1-241319 | China Mobile | New use case on supporting information exposure and service adjustment based on energy supply mix | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241302 | Revision of S1-241128. Revision of S1-241302. | Revised to S1-241373 |
| 54 | 7.2 | S1-241320 | Samsung | pCR 22.883 Advice of Energy Use | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241315 | Revision of S1-241035. Revision of S1-241315. | Revised to S1-241379 |
| 29 | 7.2 | S1-241321 | IIT Bombay | Dynamic service adjustment support based on energy information | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241309 | Revision of S1-241143. Revision of S1-241307. Revision of S1-241309. | Revised to S1-241375 |
| 62 | 7.2 | S1-241322 | Nokia | pCR on New Use case on proposing incentives to users for network energy saving | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241317 | Revision of S1-241181. Revision of S1-241317. | Revised to S1-241381 |
| 36 | 7.2 | S1-241323 | China Telecommunications | Use case on dynamic user experience adjustment | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241311 | Revision of S1-241174. Revision of S1-241311. | Revised to S1-241376 |
| 45 | 7.2 | S1-241324 | ZTE | New use case on energy sources information used for network node selection | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Revision of S1-241313 | Revision of S1-241135. Revision of S1-241313.  Merging might be possible with 1356 in 1377 | Merged into S1-241377 |
|  | 99 | S1-241325 |  | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-241326 |  | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-241327 |  | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-241328 |  | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-241329 |  | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
| 03 | 6.3 | S1-241330 | Nokia | Correction of reference to IEEE Std 1588-2019 | CR | **22.104** | 0100 | 1 | F | 19.1.0 | **Rel-19** | **SEI** | Replaces S1-241048 | This should be a mirror? Moved from 6.1 Revision of S1-241048. To have Cat-A. | Agreed |
| 02 | 6.2 | S1-241331 | Huawei | Permanent alignment between stage 1 and stages 2/3 for UAS | CR | **22.125** | 0055 | 1 | F | 19.1.0 | **Rel-19** | **UAS\_Ph3** | Replaces S1-241175 | Revision of S1-241175. Delete addition and editorial change. No presentation | Agreed |
| 34 | 8 | S1-241332 | China Unicom | China Unicom 6G VISION | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241125  Keywords:  Immersive communication  Ubiquitous Connectivity  Distributed Network  Data Service (Sensing and Communication, Immersive Communication, Digital Twin, AI Native)  Computing and Network Convergence  Knowledge Auto-management  About Immersive communication:  XR Wearables  Virtual live show  Virtual meetings  Remote interactive sell  Holographic Communication:  Surgical Practice  Physical Activity  Artistic Education  Mechanical Operation  Multi-Modal communication:  Barrier-free society  Elderly life  Safe driving  Leisure and recreation  Ubiquitous interaction:  Polymorphic devices  Smart home  Smart city  Smart transport  SA1 work organisation:  Option 1: One big SID, the scope of which can be generalised and not include building block divisions  Option 2: A large SID with a scope that touches on building block divisions  Option 3: A large SID with a scope that does not touch on building block divisions | Revision of S1-241125. | Noted |
| 32 | 3 | S1-241333 | Ericsson | CR on Clarification related to MC gateway UE requirements | CR | **22.280** | 0171 |  |  |  | **Rel-19** |  | Linked to LS in S1-241250 |  | Revised to S1-241337 |
| 09 | 6.2 | S1-241334 | Samsung, China Telecom | Alignment for Smart Energy Infrastructure | CR | **22.104** | 0098 | 2 | F | 18.3.0 | **Rel-18** | **SEI** | Replaces S1-241032 | Revision of S1-241032. | Agreed |
| 11 | 6.2 | S1-241335 | Samsung, China Telecom | Alignment for Smart Energy Infrastructure | CR | **22.261** | 0771 | 2 | F | 18.13.0 | **Rel-18** | **SEI** | Replaces S1-241033 | The Note should be voided and not changed | Revised to S1-241346 |
| 31 | 3 | S1-241336 | Ericsson | (DRAFT) Reply- LS on Clarification related to MC gateway UE requirements | LS out |  |  |  |  |  | **Rel-19** |  | Replaces S1-241250 | Revision of S1-241013. Revision of S1-241250. | Agreed |
| 33 | 3 | S1-241337 | Ericsson | CR on Clarification related to MC gateway UE requirements | CR | **22.280** | 0171 | 1 |  |  | **Rel-19** |  | Replaces S1-241333 | Revision of S1-241333. | Agreed |
| 01 | 11.1 | S1-241338 | SA1 Vice Chair | Report KVI session |  |  |  |  |  |  |  |  |  | All docs agreed in drafting session are now agreed in SA1. | Agreed |
| 04 | 11.1 | S1-241339 | SA1 Vice Chair | Report Satellite Session |  |  |  |  |  |  |  |  |  | All docs agreed in drafting session are now agreed in SA1. | Agreed |
| 02 | 11.1 | S1-241340 | SA1 Vice Chair | Report EnergyServ, FRMCS Session |  |  |  |  |  |  |  |  |  |  | Revised to S1-241341 |
| 03 | 11.1 | S1-241341 | SA1 Vice Chair | Report EnergyServ, FRMCS Session |  |  |  |  |  |  |  |  | Replaces S1-241340 | Revision of S1-241340. | Agreed |
| 42 | 8 | S1-241342 | InterDigital, Inc. | Interdigital 6G Vision and way forward for Rel.20 | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241180 | Revision of S1-241180. | Noted |
| 62 | 8 | S1-241343 | Chair | presentation |  |  |  |  |  |  |  |  |  |  | Revised to S1-241344 |
| 63 | 8 | S1-241344 | Chair | 6G planning initial thoughts and options |  |  |  |  |  |  |  |  | Proposal to structure the SA1 work on 6G studies:  One single SID with two TRs as output:  TR A – structured TR  Agreed sections based on the common 6G areas listed in company contributions -> To be discuss and agreed in SA1#107  To be sent to plenary for approval (end Rel-20, Mar2026)  TR B - container TR  No structure – open to UCs which do not fall in any of the sections of TR A  Internal SA1 use – No consolidation, nor sent for approval  UC may move to TR A (e.g. new section) based on consensus for SA1 | Revision of S1-241343.  Chair: sections of the structured TR to be decided from the beginning.  Several delegations: very good proposal.  FirstNet: how do we capture the previous work? E.g. voice services, IMS, SMS…  Samsung: backward compatibility is fundamental, it is not a (set of) use cases. In TR A, there will be a section called “Backward compatibility”, where everything is listed.  China Telecom: the same approach as RAN can be followed, with one SID for IMT-2030 and another one for other items.  NEC; too early to decide on TR structure, SA1 did not have a proper brainstorming  Futurewei: support having TR B and TR A in parallel, not waiting for TR B before starting TR A  QC: the quicker TR A is started, the better. But flexibility is needed  KPN: Use cases should be short, to the point to get the requirements  T-Mobile: Support the proposal. Migration, interoperability aspects are essential.  Xiaomi, Apple: support this proposal.  Apple: in TR A, also the aspects that do not need Use Cases shall be there.  China Telecom: A single TR is better  InterDigital: support  Intel (SA Chair): how the process will work exactly, until TR A structure is stable? Does it have to go through TR B first?  Huawei: this solution is fine. The process shall be clarified.  Samsung: support this proposal. This is quite similar to what was used in the past. What was even more common in that “TR B” used to be more an unstructured Annex of a single TR. Then the unstructured part (annex or TR) can be deleted.  Chair: the TR B can indeed be discontinued if the group feels like it.  Now also Proposal B: one single TR with “unstructured annex”.  The approach of 2 TRs was preferred (versus an annex) because “TR A” will always remain “clean”, without the need to go through a cleaning/deletion process.  Samsung: support this approach.  ZTE, Futurewei, Huawei: it is very challenging to agree on a structure for TR A in a very short time. Some time should be spent to check how to structure it.  Chair: if we start from nothing (just a generic, not structured “FS\_6G” SID), it will be impossible to have stable results by March 2025 for the workshop, which is only 3 meetings for SA1.  Ericsson, Xiaomi: whatever can be agreed, even if a couple of chapters or a single chapter, e.g. “legacy support”, is better than starting from scratch. Then the structure will be further progressed as needed, without losing initial time.  InterDigital: The TR B can be useful too, it shall not be considered as a waste.  ChinaMobile: support the proposal. The discussion of the structure will be challenging, so better to start early with something.  Huawei: the areas/chapters of TR A and B should be wide enough to cover all aspects.  ChinaUnicom: having also TR B is a good approach.  Intel (SA Chair): the process is still to be defined. A UC can be targeted to TR A directly or it shall go first to TR B? It is better that it can go to TR A directly if it fits to an existing category. The “barrier of entry” should be the same for TR A than TR B.  Nokia : another proposal: , one TR for use cases, one TR for requirements  Chair: requirements will be in a TS, not a TR  ChinaUnicom: TR B is a new approach for SA1. It needs more clarifications.  Vodafone: prefers Proposal B.  Huawei: proposal B is better because with Proposal A, there will be interactions with the approval process of TRs A & B. The “barrier entry” should be a single one: either the use case is agreed or not.  Rakuten: proposal B is preferred.  Show of hands:  Proposal A: 19 companies  Proposal B: 25 companies  Objecting to Proposal B: 0 companies  So proposal B is chosen. | Revised to S1-241364 |
| 06 | 6.2 | S1-241345 | ZTE, China Unicom, NEC, Futurewei | 22.261v18.13.0 Removal of non-implemented DI\_5G requirement | CR | **22.261** | 0784 | 1 | F | 18.13.0 | **Rel-18** | **DI\_5G** | Replaces S1-241031 | Revision of S1-241031. Change title, update revision counter and date. | Agreed |
| 12 | 6.2 | S1-241346 | Samsung, China Telecom | Alignment for Smart Energy Infrastructure | CR | **22.261** | 0771 | 3 | F | 18.13.0 | **Rel-18** | **SEI** | Replaces S1-241335 | Revision of S1-241033. Revision of S1-241335. | Agreed |
| 14 | 6.2 | S1-241347 | vivo | Discussion on Rel-18 PIN requirements clean-up | discussion |  |  |  |  |  |  |  | Replaces S1-241052 | Revision of S1-241052. | Noted |
| 16 | 6.2 | S1-241348 | vivo | Clean-up of PIN requirements | CR | **22.261** | 0786 | 1 | F | 18.13.0 | **Rel-18** | **PIRates** | Replaces S1-241051 | Revision of S1-241051. | Revised to S1-241396 |
| 21 | 6.2 | S1-241349 | QUALCOMM | CR for Clean-up of Rel-18 VMR Requirements | CR | **22.261** | 0788 | 1 | F | 18.13.0 | **Rel-18** | **VMR** | Replaces S1-241079 | Revision of S1-241079. Delete (e.g. couldbaseline should be IAB based, or others) | Agreed |
| 24 | 6.2 | S1-241350 | QUALCOMM, Futurewei | CR for Rel-18 PALS Requirements Clean-up | CR | **22.261** | 0789 | 1 | F | 18.13.0 | **Rel-18** | **PALS** | Replaces S1-241091 | Revision of S1-241091. | Revised to S1-241358 |
| 26 | 3 | S1-241351 | Huawei | Reply LS on clarification on mobile metaverse services | LS out |  |  |  |  |  | **Rel-19** |  | Replaces S1-241249 | Revision of S1-241236. Revision of S1-241249. | Agreed |
| 04 | 4 | S1-241352 | NOVAMINT, SES, THALES, ESA, Inmarsat, Viasat | Revised SID: Study on satellite access - Phase 4 | SID revised |  |  |  |  |  | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241251  Two topics are added to the SID: Reliable Multicast and Broadcast | Revision of S1-241183. Revision of S1-241251.  Vodafone: concerns with “unregistered UE” for broadcast. An LS is proposed to be sent to RAN.  Huawei has concerns also with the broadcast  Samsung: the broadcast was asked e.g. by EBU  Mediatek: this has nothing to do with RAN, it is not even a 3GPP technology which is meant to used | Revised to S1-241393 |
| 16 | 4 | S1-241353 | QUALCOMM | New SID on Supplemental NW extension | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241257 | Revision of S1-241077. Revision of S1-241257.  Huawei still has several concerns, including Complexity on the IT system, gap analysis missing, etc.  China Unicom, ZTE also have concerns. | Revised to S1-241392 |
| 27 | 4 | S1-241354 | China Unicom, China Telecom | New SID: Study on Multi-network Interoperability Enhancement | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241259 | Revision of S1-241097. Revision of S1-241259.  Ericsson, Nokia, QC still have concerns.  Bad acronym not solved. | Noted |
| 32 | 4 | S1-241355 | ZTE, CEPRI, China Unicom, China Telecom, CMCC, vivo, AsianInfo | New SID on Study on Enhanced Group Communication Service | SID new |  |  |  |  |  |  |  | Replaces S1-241260 | Revision of S1-241106. Revision of S1-241260.  Author proposed to note and to propose a miniWID next meeting. | Noted |
| 40 | 7.2 | S1-241356 | AsiaInfo | Pseudo-CR on New use case on Renewable Energy Prioritization for VNF Deployment | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241312 | Revision of S1-241026. Revision of S1-241312. | Revised to S1-241377 |
| 49 | 7.2 | S1-241357 | AsiaInfo | Pseudo-CR on New use case on Incentive Mechanism for User Energy Saving | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241314 | Revision of S1-241025. Revision of S1-241314. | Revised to S1-241378 |
| 25 | 6.2 | S1-241358 | QUALCOMM, Futurewei | CR for Rel-18 PALS Requirements Clean-up | CR | **22.261** | 0789 | 2 | F | 18.13.0 | **Rel-18** | **PALS** | Replaces S1-241350 | Clean-up needed | Revised to S1-241397 |
| 45 | 4 | S1-241359 | Nokia, Nokia Shanghai Bell, Telefonica, China Mobile, Huawei, Qualcomm, Samsung, Ericsson, Vodafone, Telecom Italia, LG Uplus | New SID: Study on user interaction in the IMS | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241262 | Revision of S1-241145. Revision of S1-241262.  Nokia: still no consensus after off-line discussions.  5 companies still have concerns.  Nokia: we do not see the technical motivations for rejecting this proposal. SA1’s purpose is to define features that will be eventually deployed by operators. Here, several operators are supporting and no operator is rejecting. Guidance is asked for.  Mediatek: significant operators’ support, it should be agreed in SA1.  KPN: to be added as supporting company  Chair: there are still 5 objections, no consensus can be declared.  Chair: companies objecting are invited to say the reasons to object.  Apple, because the use case for this SI is not clear and it involves regulatory requirements. Apple has concerns with security and privacy issues and with the fact that the feature can be misused.  Xiaomi: also think that spam calls can be used via this feature. Also, involving the UEs is not seen as an efficient way.  Vivo: this would lead to a lot of complexity on the UE.  Oppo: no necessity for this feature  Chair: Nokia can send it to SA plenary | Revised to S1-241394 |
| 52 | 4 | S1-241360 | Nokia | Considerations on defining KVs for 6G study in SA1 | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241253 | Revision of S1-241156. Revision of S1-241255. Revision of S1-241263.  Author proposes to withdraw | Withdrawn |
| 08 | 6.1 | S1-241361 | Huawei | add the definition pointer of Ambient IoT device | CR | **22.369** | 0006 | 1 | D | 19.1.0 | **Rel-19** | **AmbientIoT** | Replaces S1-241178 | Moved from 6.4 Revision of S1-241178. Impacts and other changes in cover page. | Agreed |
| 65 | 7.3 | S1-241362 | Nokia | Use case on broadband services through multi-orbit satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241284 | Revision of S1-241186. Revision of S1-241242. Revision of S1-241284. | Revised to S1-241384 |
| 04 | 7.1 | S1-241363 | UIC | Update and Gap analysis of Transfer (Divertion) of an incoming voice communication | CR | **22.989** | 0031 | 2 | C | 19.4.0 | **Rel-20** | **FS\_FRMCS\_Ph6** | Replaces S1-241300 | C Revision of S1-241190. Revision of S1-241300. | Agreed |
| 64 | 8 | S1-241364 | Chair | 6G planning initial thoughts and options |  |  |  |  |  |  |  |  | Replaces S1-241344 | Revision of S1-241343. Revision of S1-241344. | Revised to S1-241400 |
| 12 | 6.1 | S1-241365 | Chair | 6G planning initial thoughts and options |  |  |  |  |  |  |  |  | Replaces S1-241364 | Revision of S1-241170. Revision of S1-241267.  S1-241400 used instead | Withdrawn |
| 69 | 4 | S1-241366 | Vodafone | Monitoring of traffic in 5G | CR | **22.261** | 0791 | 2 | B | 19.6.0 | **Rel-19** | **DUMMY** | Replaces S1-241269 | Needs a MiniWID Moved from 6.1 Revision of S1-241182. Revision of S1-241269. Update cover page. No track changes in cover page. And no changes on changes. | Agreed |
| 66 | 4 | S1-241367 | Vodafone | mini WID for the CR 0791 in S1-241182 | WID |  |  |  |  |  |  |  | Replaces S1-241268 | Moved from 6.1 Revision of S1-241233. Revision of S1-241268. No track changes. Acronym: MonSTra No presentation | Agreed |
| 17 | 7.3 | S1-241368 | vivo, Inmarsat, Viasat, China Mobile, Novamint, China Telecom, EchoStar, Huges, Qualcomm, MediaTek Inc. | Pseudo-CR on New use case on IMS voice call using GEO satellite access | pCR | **22.887** |  |  |  |  | **Rel-20** |  | Replaces S1-241291 | Revision of S1-241072. Revision of S1-241248. Revision of S1-241274. Revision of S1-241291.  ZTE: remove 2nd requirement as compromise  ChinaMobile: guidance expected from the Chair. This has been discussed all week, plenty of support, not correct that there are still objections of the last day  Chair: this is a new topic, this can be further brought at some meeting. No decision is to be forced here. Off-line discussions are encouraged. | Revised to S1-241399 |
| 23 | 7.3 | S1-241369 | EchoStar, Dish Network, Novamint, SES, Thales, Vivo, Sateliot, Viasat, Inmarsat | 5G system with satellite access to Resilient/Robust Notification | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241290 | Revision of S1-241082. Revision of S1-241275. Revision of S1-241285. Revision of S1-241290.  Mediatek, Nokia: PR1 and PR3 are too similar. PR3 can be deleted.  T-Mobile: it is PR1 that we don’t understand  Chair: put FFS and editor’s notes  Mediatek: this is unfortunate that the wording was changed. No formal objection  Chair: everything is to be said “FFS” | Revised to S1-241411 |
| 28 | 7.3 | S1-241370 | China Telecom | UC on traffic over different orbit satellites | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241289 | Revision of S1-241111. Revision of S1-241289.  Ericsson: not grammatically correct | Revised to S1-241412 |
| 34 | 7.3 | S1-241371 | ETRI, Nokia | Use case on service continuity through multi-orbit satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241292 | Revision of S1-241112. Revision of S1-241133. Revision of S1-241276. Revision of S1-241292. [PR x.1.6-002001] Subject to regulatory requirements and operator s policy, a 5G network with satellite access shall be able, if applicable, to support service continuity(with minimum service interruption) and provide suitable QoS control when the UE communication path moves between serving satellites in different orbits (due to the movement of the UE and/or the satellites). NOTE: Service continuity across different orbits might not always be possible/applicable depending on the service characteristics(e.g. service continuity for a low-latency service is not applicable across LEO and GEO orbits). | Agreed |
| 43 | 7.3 | S1-241372 | China Mobile | New use case on supporting remote sensing in satellite | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241279 | Revision of S1-241131. Revision of S1-241279.  Nokia: this would imply very high bit rate, this is not realistic | Noted |
| 16 | 7.2 | S1-241373 | China Mobile | New use case on supporting information exposure and service adjustment based on energy supply mix | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241319 | Revision of S1-241128. Revision of S1-241302. Revision of S1-241319. | Revised to S1-241406 |
| 21 | 7.2 | S1-241374 | Vivo | New use case on energy saving service for UE | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241308 | Revision of S1-241134. Revision of S1-241308. | Revised to S1-241405 |
| 30 | 7.2 | S1-241375 | IIT Bombay | Dynamic service adjustment support based on energy information | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241321 | Revision of S1-241143. Revision of S1-241307. Revision of S1-241309. Revision of S1-241321. | Revised to S1-241407 |
| 37 | 7.2 | S1-241376 | China Telecommunications | Use case on dynamic user experience adjustment | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241323 | Revision of S1-241174. Revision of S1-241311. Revision of S1-241323. | Noted |
| 41 | 7.2 | S1-241377 | AsiaInfo | Pseudo-CR on New use case on Renewable Energy Prioritization for VNF Deployment | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241356 | Revision of S1-241026. Revision of S1-241312. Revision of S1-241356. | Revised to S1-241408 |
| 50 | 7.2 | S1-241378 | AsiaInfo | Pseudo-CR on New use case on Incentive Mechanism for User Energy Saving | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241357 | Revision of S1-241025. Revision of S1-241314. Revision of S1-241357. | Revised to S1-241409 |
| 55 | 7.2 | S1-241379 | Samsung | pCR 22.883 Advice of Energy Use | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241320 | Revision of S1-241035. Revision of S1-241315. Revision of S1-241320. | Noted |
| 58 | 7.2 | S1-241380 | TNO, KPN | Carbon Certificates as a Service | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241316 | Revision of S1-241165. Revision of S1-241316. | Revised to S1-241410 |
| 63 | 7.2 | S1-241381 | Nokia | pCR on New Use case on proposing incentives to users for network energy saving | pCR | **22.883** |  |  |  | 0.0.0 | **Rel-20** | **FS\_EnergyServ\_Ph2** | Replaces S1-241322 | Revision of S1-241181. Revision of S1-241317. Revision of S1-241322. | Noted |
| 14 | 10.1 | S1-241382 | Huawei | Proposed way forward on Key Values for 6G study in SA1 |  |  |  |  |  |  |  |  | Replaces S1-241295  Proposed for endorsement:  Endorse for SA1 to consider “key values” in the context of SA1 6G study/ies in a contribution driven way  Endorse the use of the “key value” term in the process below  Endorse the principle of addressing “key values” as part of the study in the following manner only:  Key values may be discussed at the use case granularity, based on input contribution  Key values may be included in the Description clause of a use case, hence documented in the TR, using language at the contributor’s discretion  Key values may be considered by delegates when searching for consensus on a use case  No further KV process needed beyond consensus of use cases | Competing proposal in 1383 | Noted |
| 16 | 10.1 | S1-241383 | Nokia, Samsung | Proposed way forward on Key Values for 6G study in SA1 |  |  |  |  |  |  |  |  | Replaces S1-241288  Proposed for endorsement:  Endorse the fact to consider “key values” in the context of SA1 6G study/ies, with clear overall focus on “sustainability”-related aspects  Endorse the use of the “key value” term  Endorse the principle of addressing “key values” as part of the study  The granularity of contributions to the study related to key value will be determined when the process is agreed.  Key values will be discussed at the use case granularity, if a procedure to do this is agreed in SA1.  Endorse to add an objective to the 6G SID to  Define a set of key values and associated terminology  Define a process to include key value considerations in the TR  Apply the defined process in the work of the TR to document key value considerations. | Nokia: this is addressing one of the key topics that is being said about 6G, i.e. better life, etc. This shall be quantified/actionable and this is what is trying to be achieved here.  Supporting companies:  1382 (Huawei): 14 companies  1383 (Nokia): 18 companies | Revised to S1-241385 |
| 66 | 7.3 | S1-241384 | Nokia | Use case on broadband services through multi-orbit satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241362 | Mediatek: this is not a service requirement but it is a solution | Revised to S1-241390 |
| 17 | 10.1 | S1-241385 | Nokia, Samsung | Proposed way forward on Key Values for 6G study in SA1 |  |  |  |  |  |  |  |  | Replaces S1-241383  New proposal:  Endorse the following principles  To consider “key values” in the context of SA1 6G study/ies  To use the “key value” term  Endorse the principle of addressing “key values” as part of the “6G study”  Key values will not be addressed as a separate standalone study  There is no assumption of further implications of this process beyond the SA1 study.  Endorse to add an objective to the 6G SID to reflect that SA1 will consider “key values” in the TR (exact wording is FFS) | Revision of S1-241288. Revision of S1-241383.  Huawei: appreciate the efforts to compromise but a plan is needed. They disagree with point 2.  Telefonica: Huawei has the minimum expectations, Nokia is one step forward  Samsung: indeed, Huawei is the fallback solution if nothing more can be achieved  Mediatek: support Nokia’s plan. This is just a plan, not a concrete proposal  Huawei: 3GPP’s process is very flexible, we already have the tools we need  QC: disagree with Huawei. More tools are needed.  ChinaUnicom: let’s postpone the discussion to the next meeting  Chair: nobody complains about KVI in 6G, but there is no consensus on how to handle them. The 2 proposals are that one set the rules from the beginning when the other one wants to have the rules as the work progress. A middle ground can be found.  Samsung: Huawei’s approach is to synthetise from the contributions (kind of bottom-up), when the other one is more top-down. The Nokia’s approach has the benefit of avoiding misunderstanding, e.g. “sustainability” is not used in completely different understanding.  Nokia: a mix of both approach can be used, on a per-topic approach  DSIT; since there is no disagreement on point 2, let’s start from it.  Chair: a dedicated conference call will be handled on KVIs. There are commonalities. | Noted |
| 08 | 7.3 | S1-241386 | ISSDU, III | Pseudo-CR on New use case on Resilient Satellite Communication with Isolated Operation Mode for Public Safety | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241272 | Revision of S1-241060. Revision of S1-241272. | Revised to S1-241398 |
| 46 | 7.3 | S1-241387 | IIT Bombay | Support for Mobile base station relays (MBSRs) through multi-orbit satellite networks | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241281 | Some formatting problems  Nokia: this use case cannot be agreed since mobile base station relay is not supported in downstream WG in Rel-18  QC: the requirement is still in SA1 in Rel-19 | Revised to S1-241413 |
| 50 | 7.3 | S1-241388 | IIT Bombay | Switching between multi-orbits satellite networks in defence applications | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241282 | Revision of S1-241150. Revision of S1-241282. | Revised to S1-241414 |
| 55 | 7.3 | S1-241389 | CATT | Use case on assisting vehicular communications via multi-orbits satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241293 | Revision of S1-241155. Revision of S1-241283. Revision of S1-241293. | Revised to S1-241415 |
| 67 | 7.3 | S1-241390 | Nokia | Use case on broadband services through multi-orbit satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241384 | Revision of S1-241186. Revision of S1-241242. Revision of S1-241284. Revision of S1-241362. Revision of S1-241384.  Proposed to be noted by the author | Noted |
| 71 | 7.3 | S1-241391 | Google, DISH Network | Use Case on Emergency Texting over IoT NTN | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241294 | Revision of S1-241192. Revision of S1-241273. Revision of S1-241294.  Requirement 4 to be deleted, including the note below it.  Mediatek: UE without SIM for emergency call shall be supported by the standard. This is not clear in the current text.  QC: also needs clarification  Editor’s note to be added for the 1st one.  Title to be updated.  Chair: too many proposals for changes. So, instead of adding text with plenty of editor’s notes, better to agree something clean at next meeting, even if there is no opposition.  Companies involved in off-line discussions: Nokia, QC, Ericsson, DT, TMobile USA, ESA, Samsung, ZTE, Synchtechno, Apple, China Telecom, Vodafone, Mediatek, CISA< Oppa, China Mobile, etc.  So it is better to use the full SA1 reflector. | Noted. |
| 17 | 4 | S1-241392 | QUALCOMM | New SID on Supplemental NW extension | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241353 | Revision of S1-241077. Revision of S1-241257. Revision of S1-241353.  Huawei, China Unicom, ZTE have sustained objections.  Huawei: Business model is not clear. Nothing new in terms of services. Connecting the different PLMNs leads to added complexity  China Unicom: concerns with the concept. Also from not sure of the market perspective . Implementation dependant.  ZTE: coverage concerns | Noted |
| 05 | 4 | S1-241393 | NOVAMINT, SES, THALES, ESA, Inmarsat, Viasat | Revised SID: Study on satellite access - Phase 4 | SID revised |  |  |  |  |  | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241352  No multicast, no unregistered UE anymore. | Revision of S1-241183. Revision of S1-241251. Revision of S1-241352.  Vodafone: was OK with multicast. Now it is worse.  Huawei: also concerns  Chair: Novamintwill come back at next meeting, Vodafone and Huawei invited to comment directly to Novamint in between meetings. | Noted |
| 46 | 4 | S1-241394 | Nokia, Nokia Shanghai Bell, Telefonica, China Mobile, Huawei, Qualcomm, Samsung, Ericsson, Vodafone, Telecom Italia, LG Uplus | New SID: Study on user interaction in the IMS | SID new |  |  |  |  |  | **Rel-20** |  | Replaces S1-241359 | Revision of S1-241145. Revision of S1-241262. Revision of S1-241359. | Noted |
| 11r | 6.1 | S1-241395 | Huawei | Removal of trademark and product name from Sensing TR | CR | **22.837** | 0022 | 2 | D | 19.3.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-241267 |  | Agreed |
| 17 | 6.2 | S1-241396 | vivo | Clean-up of PIN requirements | CR | **22.261** | 0786 | 2 | F | 18.13.0 | **Rel-18** | **PIRates** | Replaces S1-241348 | Revision of S1-241051. Revision of S1-241348. The 5G system shall be able to minimize service disruption when enable a PIN Element to change the communication. Increase counter and update the date. No presentation | Agreed |
| 26 | 6.2 | S1-241397 | QUALCOMM, Futurewei | CR for Rel-18 PALS Requirements Clean-up | CR | **22.261** | 0789 | 3 | F | 18.13.0 | **Rel-18** | **PALS** | Replaces S1-241358 | Revision of S1-241091. Revision of S1-241350. Revision of S1-241358. Both the home network and the hosting network can be aNPN. Cluase affected, update counter and date. Title. | Agreed |
| 09 | 7.3 | S1-241398 | ISSDU, III | Pseudo-CR on New use case on Resilient Satellite Communication with Isolated Operation Mode for Public Safety | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241386 | Revision of S1-241060. Revision of S1-241272. Revision of S1-241386. First req. is FFS. 5G system to 5G network. | Agreed |
| 18 | 7.3 | S1-241399 | vivo, Inmarsat, Viasat, China Mobile, Novamint, China Telecom, EchoStar, Huges, Qualcomm, MediaTek Inc. | Pseudo-CR on New use case on IMS voice call using GEO satellite access | pCR | **22.887** |  |  |  |  | **Rel-20** |  | Replaces S1-241368 | Revision of S1-241072. Revision of S1-241248. Revision of S1-241274. Revision of S1-241291. Revision of S1-241368. Delete Req.#2 | Agreed |
| 65 | 8 | S1-241400 | Chair | 6G planning Way forward Stage 1 6G work |  |  |  |  |  |  |  |  | 1 single SID with 1 TRs as output  Agreed TR sections based on 6G areas of interest-  Sections to be discussed and agreed (tentatively by SA1#107)  Annex containing UCs/aspects which do not fall in any section of the TR.  Delegates can contribute to any of the sections of the TR or aim for the annex directly.  NOTE: by consensus, a new section can be created directly with newly agreed use case(s)  Annex UCs can be moved to another section or moved to a newly created section by consensus on a CPR.  TR to be sent to plenary for approval by Mar 2026 | Revision of S1-241343. Revision of S1-241344.  QC: good slide.  Futurewei: too aggressive timeline  Chair: let’s try  T-Mobile: can be contribute to the content already at next SA1 meeting?  Chair: without the SID approved, this is complex, but can be done if consensus. This needs to be further clarified.  Samsung, KDDI: the structure is to be established before content is proposed, otherwise everything will go in the annex  Chair: the process will continue to be clarified in the weeks following this SA1#106 meeting | Revised to S1-241416 |
| 01 | 11.2 | S1-241401 | UIC | FS\_FRMCS\_Ph6 Status report |  |  |  |  |  |  |  |  | Progress made at this meeting  CR-241363 on the TR22.989: agreed about call forwarding for Ad hoc Group, as described in the content of the Rel.20-SID  Planning for next meetings  SA1#[n+1] (08/24): Study 50%, normative in parallel  Preparation of new use cases about ‘merging’ of operational railway communications, using Ad hoc Group Calls  Potential revision of SID with request of target date extension  Additional topics: Presence, Queuing of a call  SA1#[n+2] (11/24): Study 100%  Use cases with the additional topic, if revised SID agreed in SA1#[n+1] | Meeting “n+1” to be replaced by actual values | Revised to S1-241419 |
| 02 | 11.2 | S1-241402 | Nokia | FS\_EnergyServ\_Ph2 Status report |  |  |  |  |  |  |  |  | Progress made at this meeting: 15%  TR cleanup agreed (S1-241318)  4 pCR agreed:  Planning for next meetings  SA1#107: New + updated use cases and requirements (recommended: ~60%)  SA1#108: Start consolidation | Samsung: 15% is too low and does not reflect the reality. It should be higher, at least 25%  Apple: planning for next meeting: definitions to be done | Revised to S1-241420 |
| 03 | 11.2 | S1-241403 | Novamint | FS\_5GSAT\_Ph4 Status report |  |  |  |  |  |  |  |  | Progress made at this meeting: 20%  Agreed skeleton  Agreed 8 use cases  Planning for next meetings  SA1#107 (19-23 Aug 24)  Scope and overview  New use case & potential requirements  Updates/addition of potential requirements  SA1#108 (18-22 Nov 24)  New use case & potential requirements (limited)  Updates/addition of potential requirements  Consolidation of potential requirements  TR sent for information to SA (SID ~80% complete)  SA1#109 (Feb ‘25)  End of consolidation and conclusions  TR sent for approval to SA (SID 100% complete)  Approval of WID | 30% instead | Revised to S1-241421 |
| 04 | 11.2 | S1-241404 | Vodafone | MonsTRa Status report |  |  |  |  |  |  |  |  | Progress made at this meeting: 100%  Mini-WID was agreed during the TSG SA WG 1 Meeting #106  Associated change request against TS22.261 was agreed to add new requirement on Monitoring of signalling traffic in 5G. | MiniWID, completed in one cycle | Noted |
| 22 | 7.2 | S1-241405 | vivo | New use case on energy saving service for UE |  |  |  |  |  |  |  |  |  | Revision of S1-241134. Revision of S1-241308. Revision of S1-241374. | Agreed |
| 17 | 7.2 | S1-241406 | China Mobile | New use case on supporting information exposure and service adjustment based on energy supply mix |  |  |  |  |  |  |  |  |  | Revision of S1-241128. Revision of S1-241302. Revision of S1-241319. Revision of S1-241373.  Replace EAS by “service hosting environment” | Revised to S1-241417 |
| 31 | 7.2 | S1-241407 | IIT Bombay | Dynamic service adjustment support based on energy information |  |  |  |  |  |  |  |  |  | Revision of S1-241143. Revision of S1-241307. Revision of S1-241309. Revision of S1-241321. Revision of S1-241375. | Agreed |
| 42 | 7.2 | S1-241408 | AsiaInfo | Pseudo-CR on New use case on Renewable Energy Prioritization for VNF Deployment |  |  |  |  |  |  |  |  |  | Revision of S1-241026. Revision of S1-241312. Revision of S1-241356. Revision of S1-241377.  AT&T : still a lot of concerns with this proposal | Noted |
| 51 | 7.2 | S1-241409 | AsiaInfo | Pseudo-CR on New use case on Incentive Mechanism for User Energy Saving |  |  |  |  |  |  |  |  |  | Revision of S1-241025. Revision of S1-241314. Revision of S1-241357. Revision of S1-241378.  Huawei: can be merged with China Telecom’s proposal  AsiaInfo: other document got “noted”, this is why this one is maintained  AT&T, Ericsson: also issues | Noted. |
| 59 | 7.2 | S1-241410 | TNO, KPN | Carbon Certificates as a Service |  |  |  |  |  |  |  |  |  | Revision of S1-241165. Revision of S1-241316. Revision of S1-241380. | Agreed |
| 24 | 7.3 | S1-241411 | EchoStar, Dish Network, Novamint, SES, Thales, Vivo, Sateliot, Viasat, Inmarsat | 5G system with satellite access to Resilient/Robust Notification | discussion |  |  |  |  |  | **Rel-20** |  | Replaces S1-241369 | Revision of S1-241082. Revision of S1-241275. Revision of S1-241285. Revision of S1-241290. Revision of S1-241369. All reqs. are FFS | Agreed |
| 29 | 7.3 | S1-241412 | China Telecom | UC on traffic over different orbit satellites | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241370 | Revision of S1-241111. Revision of S1-241289. Revision of S1-241370.  Apple: same change should have been done on the 2nd requirement | Revised to S1-241418 |
| 47 | 7.3 | S1-241413 | IIT Bombay | Support for Mobile base station relays (MBSRs) through multi-orbit satellite networks | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241387 | Revision of S1-241141. Revision of S1-241281. Revision of S1-241387. | Agreed |
| 51 | 7.3 | S1-241414 | IIT Bombay | Switching between multi-orbits satellite networks in defence applications | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241388 | Revision of S1-241150. Revision of S1-241282. Revision of S1-241388. | Agreed |
| 55r | 7.3 | S1-241415 | CATT | Use case on assisting vehicular communications via multi-orbits satellite access | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241389 |  | Agreed. |
| 65r | 8 | S1-241416 | Chair | 6G planning Way forward Stage 1 6G work |  |  |  |  |  |  |  |  | Replaces S1-241400 | About bringing 6G Use Cases at SA1#107:  A possible compromise is to enable this but just to note them.  Samsung: business as usual, just proceed as any other TR  Huawei, ZTE: prefer not to have Use Cases at SA1#107  Nokia: the other agenda items have to be known  ChinaMobile: OK for info  Softbank: company’s view to be brought at SA1#107  Chair: at SA1#107, let’s focus on the SID, on the template, on the Use Case template, rather than on bringing actual 6G Use cases  Chair: 5GA shall not be forgotten, this shall be treated at the next meetings, since the timeline is more aggressive. | Endorsed |
| 17r | 7.2 | S1-241417 | China Mobile | New use case on supporting information exposure and service adjustment based on energy supply mix |  |  |  |  |  |  |  |  | Replaces S1-241406 |  | Agreed. |
| 29r | 7.3 | S1-241418 | China Telecom | UC on traffic over different orbit satellites | pCR | **22.887** |  |  |  | 0.0.0 | **Rel-20** | **FS\_5GSAT\_Ph4** | Replaces S1-241412 |  | Agreed. |
| 01r | 11.2 | S1-241419 | UIC | FS\_FRMCS\_Ph6 Status report |  |  |  |  |  |  |  |  | Replaces S1-241401 |  | Noted |
| 02r | 11.2 | S1-241420 | Nokia | FS\_EnergyServ\_Ph2 Status report |  |  |  |  |  |  |  |  | Replaces S1-241402 |  | Noted |
| 03r | 11.2 | S1-241421 | Novamint | FS\_5GSAT\_Ph4 Status report |  |  |  |  |  |  |  |  | Replaces S1-241403 |  | Noted |