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| Tdoc | Title | Source(s) | Agenda Item(s) | Replaced by |
| S4-181526 | Draft Report of SA4#101 meeting, v. 0.0.1 | TSG-S4 Secretary | 4 |  |
| S4-190001 | Meeting agenda for SA4#102 | SA4 Chairman | 2 |  |
| S4-190002 | Proposed meeting schedule for SA4#102 | SA4 Chairman | 2 | S4-190146 |
| S4-190003 | Brief report from SA#82 on SA4 matters | SA4 chairman | 5.2 |  |
| S4-190004 | pCR on 26.929 Viewport and encoding quality | InterDigital Communications | 10.5 | S4-190218 |
| S4-190005 | pCR on 26.929 VR interaction Metrics | InterDigital Communications | 10.5 |  |
| S4-190006 | Video SWG telco report on Virtual Reality 17th Dec.2018 | Video SWG Chairman (Orange) | 5.1 |  |
| S4-190007 | Draft Report for MTSI SWG December 6, 2018 Teleconference on CHEM | Qualcomm Incorporated | 5.1 |  |
| S4-190008 | Draft Report for MTSI SWG December 14, 2018 Teleconference on 5G\_MEDIA\_MTSI\_ext | Qualcomm Incorporated | 5.1 |  |
| S4-190009 | Draft Report for MTSI SWG December 18, 2018 Teleconference on E2E\_DELAY | Qualcomm Incorporated | 5.1 |  |
| S4-190010 | Draft Report for MTSI SWG December 20, 2018 Teleconference on E-FLUS | Qualcomm Incorporated | 5.1 |  |
| S4-190011 | Draft Report for MTSI SWG January 10, 2019 Teleconference on CHEM | Qualcomm Incorporated | 5.1 |  |
| S4-190012 | Draft Report for MTSI SWG January 15, 2019 Teleconference on 5G\_MEDIA\_MTSI\_ext | Qualcomm Incorporated | 5.1 |  |
| S4-190013 | Draft Report for MTSI SWG January 17, 2019 Teleconference on E-FLUS | Qualcomm Incorporated | 5.1 |  |
| S4-190014 | Draft CR 26.939 on ANBR-based Boost (Release16) | Qualcomm Incorporated | 11.5 | S4-190157 |
| S4-190015 | Draft CR 26.238 on ANBR-based Boost (Release16) | Qualcomm Incorporated | 11.5 |  |
| S4-190016 | CR 26.114-0446 rev 2 CHEM Feature (Release16) | Qualcomm Incorporated | 11.8 | S4-190161 |
| S4-190017 | CR 26.114-0447 SDP Examples for Coverage and Handoff Enhancements for Media (CHEM) (Release16) | Qualcomm Incorporated | 11.8 | S4-190162 |
| S4-190018 | Draft LS to CT3 on maxe2e-PLR in SDP Offer for CHEM | Qualcomm Incorporated | 11.8 | S4-190163 |
| S4-190019 | Time Plan for CHEM Work Item v0.4.0 | Qualcomm Incorporated | 11.8 | S4-190164 |
| S4-190020 | SAND in 5GMSA | KPN N.V. | 8.8 |  |
| S4-190021 | Proposed Timeplan for E2E\_DELAY (v0.2.0) | Intel (E2E\_DELAY Rapporteur) | 11.6 | S4-190176 |
| S4-190022 | CR 26.114-0448 DBI Signaling Recommendations (Release 16) | Intel | 11.6 | S4-190167 |
| S4-190023 | Draft LS on Core Network Support for DBI | Intel | 11.6 | S4-190168 |
| S4-190024 | Work Item Summary for E2E\_DELAY | Intel (E2E\_DELAY Rapporteur) | 11.6 |  |
| S4-190025 | Proposed Timeplan for 5G\_MEDIA\_MTSI\_ext (v.0.2.0) | Intel (5G\_MEDIA\_MTSI\_ext Rapporteur) | 11.7 | S4-190160 |
| S4-190026 | CR 26.114-0453 On ANBR-Triggered Adaptation Capabilities (Release 16) WITHDRAWN | Intel | 11.7 |  |
| S4-190027 | Draft LS on ANBR Capability Signaling | Intel | 11.7 | S4-190158 |
| S4-190028 | CR 26.114-0449 ECN Support in NR (Release 15) | Intel | 11.4, 14.11 |  |
| S4-190029 | CR 26.114-0450 ECN Support in NR (Release 16) | Intel | 11.4, 14.11 |  |
| S4-190030 | CR 26.919-0001 ECN Support in NR (Release 16) | Intel | 11.11, 15.14 |  |
| S4-190031 | Proposed Timeplan for ITT4RT (v.0.0.1) | Intel, Huawei (ITT4RT Rapporteurs) | 11.10 | S4-190165 |
| S4-190032 | Skeleton Permanent Document for ITT4RT | Huawei, Intel (ITT4RT Rapporteurs) | 11.10 | S4-190166 |
| S4-190033 | ITT4RT: HEVC SEI Messages for Immersive Video | Intel | 11.10 |  |
| S4-190034 | CR 26.114-0451 Clarification on b=AS with evs-mode-switch parameter (Release 16) | Intel | 11.11 | S4-190178 |
| S4-190035 | TR 26.985 Vehicle-to-everything (V2X); Media handling and interaction (Release 16), V0.8.5 | Samsung Electronics Co., Ltd. | 11.9 | S4-190170 |
| S4-190036 | Template for presenting FS\_mV2X to automotive SDOs | Samsung Electronics Co., Ltd. | 11.9 |  |
| S4-190037 | Operational aspects of VoNR | Samsung Electronics Co., Ltd. | 11.12 |  |
| S4-190038 | CR 26.114-0452 Note on ANBR works FFS (Release 16) WITHDRAWN MISSING | Samsung Electronics Co., Ltd. | 11.7 |  |
| S4-190039 | LS/r on VR progress in 3GPP SA4 | ITU-T Q8/16 | 5.3 |  |
| S4-190040 | LS on Collection of Slice Related Data Analytics from UEs | TSG SA WG2 | 5.2 |  |
| S4-190041 | LS/r on amended update to fixed-point basic operators and a new alternative EVS codec implementation | ITU-T SG12 | 5.3 |  |
| S4-190042 | LS on recently approved Recommendation ITU-T P.570 "Artificial noise-fields in laboratory conditions" | ITU-T Q5/12 | 5.3, 9.3 |  |
| S4-190043 | Liaison Statement on VRIF Guidelines 2.0 Community Review | VR Industry Forum | 5.3 |  |
| S4-190044 | CR 26.450-0001 Addition of reference to ALT\_FX\_EVS implementation (Release 16) | VoiceAge Corporation | 7.6, 15.4 |  |
| S4-190045 | Initial Draft TR 26.921 Investigations on ambient noise reproduction systems for acoustic testing of terminals (Release 16) V0.0.1 | Rapporteur (HEAD acoustics GmbH) | 9.5 | S4-190150 |
| S4-190046 | Work Plan for 5GMSA v0.1 | Rapporteur (Ericsson LM) | 8.8 | S4-190184 |
| S4-190047 | Skeleton TS 26.501 5G Media Streaming (5GMS); General description and architecture v0.0.1 | Rapporteur (Ericsson LM) | 8.8 | S4-190185 |
| S4-190048 | pCR on Typical traffic characteristics of Live uplink production professional content bitrates | Ericsson LM, Sony Europe Limited | 8.9 |  |
| S4-190049 | CR 26.103-0048 Addition of reference to Alt\_FX\_EVS implementation (Release 16) | Ericsson LM | 7.6, 15.4 |  |
| S4-190050 | CR 26.179-0004 Correction and addition of reference to Alt\_FX\_EVS implementation (Release 16) | Ericsson LM | 7.6, 15.4 |  |
| S4-190051 | CR TS 26.444-0026 Correction and addition of reference to Alt\_FX\_EVS implementation (Release 16) WITHDRAWN MISSING | Ericsson LM, VoiceAge Corporation | 7.6 |  |
| S4-190052 | CR TS 26.447-0012 Correction and addition of reference to Alt\_FX\_EVS implementation (Release 16) WITHDRAWN MISSING | Ericsson LM, VoiceAge Corporation | 7.6 |  |
| S4-190053 | CR TS 26.453-0001 Addition of reference to Alt\_FX\_EVS implementation (Release 16) | Ericsson LM | 7.6, 15.4 |  |
| S4-190054 | CR TS 26.454-0015 Addition of reference to Alt\_FX\_EVS implementation (Release 16) | Ericsson LM | 7.6, 15.4 |  |
| S4-190055 | IVAS audio formats and interfaces | Ericsson LM | 7.5 |  |
| S4-190056 | pCR VR QoE Metrics Calculation Examples | Ericsson LM | 10.5 |  |
| S4-190057 | pCR VR QoE Metrics Minor Updates and Corrections | Ericsson LM | 10.5 |  |
| S4-190058 | pCR VR QoE Metrics Draft Conclusions | Ericsson LM | 10.5 |  |
| S4-190059 | CR 26.238-003 rev 1 Remote Control Interface (Release 16) | Ericsson LM | 11.5 | S4-190173 |
| S4-190060 | pCR 5G Streaming Architecture Proposals | Ericsson LM | 8.8 | S4-190193 |
| S4-190061 | Use-Case for MCData WITHDRAWN MISSING | Ericsson LM | 8.7 |  |
| S4-190062 | CR 26.348-0001 Support for Multiplexing MCData Sessions on one MBMS Bearer (Release 16) WITHDRAWN MISSING | Ericsson LM | 8.7 |  |
| S4-190063 | Draft CR 26.939 E-FLUS Network Assistance | Sony Mobile Communications, Ericsson LM | 11.5 |  |
| S4-190064 | Draft CR 26.939 E-FLUS media production use case | Sony Europe Limited | 11.5 | S4-190175 |
| S4-190065 | pCR FS\_TyTraC: Information Collection Updates | Qualcomm Incorporated | 8.9 |  |
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| S4-190067 | Draft CR 26.118: Presentation without Pose Information and Flat Rendering | Qualcomm Incorporated | 10.4 | S4-190211 |
| S4-190068 | Characterization and Interop of VRStream Technologies | Qualcomm Incorporated | 10.7 | S4-190212 |
| S4-190069 | 5GMSA: Existing Streaming Architectures | Qualcomm Incorporated | 8.8 |  |
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| S4-190073 | FS\_XR5G: Updates to Key Technologies | Qualcomm Incorporated | 10.6 | S4-190222 |
| S4-190074 | FS\_XR5G: Updates and Commens on Existing Use Cases | Qualcomm Incorporated | 10.6 |  |
| S4-190075 | FS\_XR5G: New Use Cases | Qualcomm Incorporated | 10.6 |  |
| S4-190076 | FS\_XR5G: Architectures | Qualcomm Incorporated | 10.6 |  |
| S4-190077 | SerInter: Latest Information on Events | Qualcomm Incorporated | 8.6 |  |
| S4-190078 | CR 26.114-0454 Addition of reference to ALT\_FX\_EVS implementation (Release 16) | VoiceAge Corporation | 11.11, 15.4 |  |
| S4-190079 | CR 26.223-0012 Addition of reference to ALT\_FX\_EVS implementation (Release 16) | VoiceAge Corporation | 7.6, 15.4 |  |
| S4-190080 | Draft EVS SWG Agenda | EVS SWG Chairman | 7 | S4-190249 |
| S4-190081 | IVAS Permanent document IVAS-2: IVAS Project Plan, v.0.0.5 | QUALCOMM JAPAN LLC. | 7.5 | S4-190246 |
| S4-190082 | Architectural Support for FLUS in 5G | Samsung Electronics Benelux BV | 8.8 |  |
| S4-190083 | Architectural Support for Media Ingest in WITHDRAWN MISSING | Samsung Electronics Benelux BV | 8.8 |  |
| S4-190084 | Architectural Support for Legacy Streaming Services in 5G WITHDRAWN MISSING | Samsung Electronics Benelux BV | 8.8 |  |
| S4-190085 | IVAS Design Constraints (IVAS-4) | HuaWei Technologies Co., Ltd | 7.5 |  |
| S4-190086 | Identification of Interactivity Application Content by Service ID | Qualcomm Incorporated | 8.6 |  |
| S4-190087 | CR 26.346-0625 Changes Pertaining to Service Interactivity Feature (Release 16) | Qualcomm Incorporated | 8.6 | S4-190182 |
| S4-190088 | CR 26.347-0006 Changes Pertaining to Service Interactivity (Release 16) | Qualcomm Incorporated | 8.6 | S4-190183 |
| S4-190089 | Follow-up on FLUS Architecture and Control Interface for UE-based Control Point | Qualcomm Incorporated | 11.5 | S4-190172 |
| S4-190090 | Time Plan for E-FLUS Work Item | Qualcomm Incorporated | 11.5 | S4-190156 |
| S4-190091 | Use case for XR | LG Electronics Inc. | 10.6 | S4-190215 |
| S4-190092 | CR 26.444-0025 rev 1 Correction and addition of reference to ALT\_FX\_EVS implementation (Release 16) | Ericsson LM, VoiceAge Corporation | 7.6 | S4-190233 |
| S4-190093 | CR 26.447-0011 rev 1 Correction and addition of reference to ALT\_FX\_EVS implementation (Release 16) | Ericsson LM, VoiceAge Corporation | 7.6, 15.4 |  |
| S4-190094 | IVAS Immersive Conferencing and Example Usage Scenarios | Dolby Laboratories Inc. | 7.5 |  |
| S4-190095 | IVAS Playback Mode Support | Dolby Laboratories Inc. | 7.5 |  |
| S4-190096 | IVAS Algorithmic Delay | Dolby Laboratories Inc. | 7.5 |  |
| S4-190097 | On IVAS enabled 6DOF VR Conferencing | Dolby Laboratories Inc. | 7.5 |  |
| S4-190098 | CR 26.452-0001 Update of EVS Alt\_FX\_EVS (Release 16) | Cadence Design Systems Inc. | 7.6, 15.4 |  |
| S4-190099 | Design Constraints Related to Positional Information of IVAS Capture Device | Dolby Laboratories Inc. | 7.5 |  |
| S4-190100 | Considerations and Proposal Related to MASA Format | Dolby Laboratories Inc. | 7.5 |  |
| S4-190101 | CR 26.952-0008 Introduction of test results of alternative fixed-point implementation of EVS (Release 16) | Cadence Design Systems Inc. | 7.6 | S4-190234 |
| S4-190102 | Video-based Point Cloud Compression (V-PCC) Demo | Nokia Corporation | 10.6 |  |
| S4-190103 | CR 26.346-0626 New announcement profile for mission critical services (Release 16) | Expway | 8.7 | S4-190186 |
| S4-190104 | Proposal on IVAS-3 (performance requirements) | Panasonic Corporation, NTT | 7.5 |  |
| S4-190105 | XR5G Use Cases - Single Camera Social XR | KPN N.V. | 10.6 | S4-190216 |
| S4-190106 | CR 26.238-0005 Processing Description Document for FLUS (Release 16) POSTPONED | Samsung Electronics Benelux BV | 11.5 |  |
| S4-190107 | ITT4RT - Scope and Questions | KPN N.V. | 11.10 |  |
| S4-190108 | CR 26.348-0002 New self-contained announcement mode (Release 16) | Expway | 8.7 | S4-190187 |
| S4-190109 | IVAS Design Constraints: Formats and Interface for Rendering | Fraunhofer IIS | 7.5 |  |
| S4-190110 | IVAS Performance Requirements: SBA Formats | Fraunhofer IIS | 7.5 |  |
| S4-190111 | IVAS 6DoF | Fraunhofer IIS | 7.5 |  |
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| S4-190113 | CR 26.449-0001 Correction and addition of reference to ALT\_FX\_EVS implementation (Release 16) | Fraunhofer IIS | 7.6, 15.4 |  |
| S4-190114 | MLD Tool | Fraunhofer IIS | 7.7 |  |
| S4-190115 | XR5G Use Cases | Fraunhofer IIS | 10.6 |  |
| S4-190116 | CR 26.114-0455 Correction of missing references to EVS specification (Release 15) | Fraunhofer IIS | 11.11, 14.12 |  |
| S4-190117 | New investigations and comparisons of ambient noise playback systems | HEAD acoustics GmbH, Deutsche Telekom AG | 9.5 | S4-190149 |
| S4-190118 | EVS\_FCNBE Timeplan v0.1 | Intel (Rapporteur) | 7.7, 15.11 |  |
| S4-190119 | Some results on the Decoder test | Intel, Fraunhofer IIS | 7.7 |  |
| S4-190120 | On IVAS MASA Channel audio format parameter | Nokia Corporation | 7.5 |  |
| S4-190121 | Proposal for MASA format | Nokia Corporation | 7.5 |  |
| S4-190122 | Considerations on object-based audio metadata for IVAS | Nokia Corporation | 7.5 |  |
| S4-190123 | Mobile capture of immersive audio for IVAS: Use cases | Nokia Corporation | 7.5 |  |
| S4-190124 | On UEs using Display as Receiver | Qualcomm Incorporated | 9.7 |  |
| S4-190125 | CR 26.114-0456 Correction to MTSI network preference management object tree for EVS (Release 13) | Qualcomm Incorporated | 11.4 | S4-190152 |
| S4-190126 | CR 26.114-0457 Correction to MTSI network preference management object tree for EVS (Release 14) | Qualcomm Incorporated | 11.4 | S4-190153 |
| S4-190127 | CR 26.114-0458 Correction to MTSI network preference management object tree for EVS (Release 15) | Qualcomm Incorporated | 11.4 | S4-190154 |
| S4-190128 | CR 26.114-0459 Correction to MTSI network preference management object tree for EVS (Release 16) | Qualcomm Incorporated | 11.4 | S4-190155 |
| S4-190129 | New WID on Acoustic Testing for Immersive Audio Services (ATIAS) | Orange, Deutsche Telekom AG | 9.7 | S4-190237 |
| S4-190130 | CR 26.446-0001 Addition of reference to Alt\_FX\_EVS specification (Release 16) | Orange | 7.6, 15.4 |  |
| S4-190131 | Verification report on Alt\_FX\_EVS | Orange | 7.6 |  |
| S4-190132 | CR 26.445-0041 Correction of EVS SID update (Release 16) | Orange, Intel | 7.3 |  |
| S4-190133 | CR 26.449-0002 Correction of EVS SID update (Release 16) | Orange, Intel | 7.3 |  |
| S4-190134 | CR 26.114-0460 Use of default EVS SID update (Release 16) POSTPONED | Orange, Intel | 11.11, 15.14 |  |
| S4-190135 | CR 26.132-0098 Use of default EVS SID update (Release 16) | Orange, Intel | 9.4 | S4-190235 |
| S4-190136 | On IVAS audio formats | Orange | 7.5 |  |
| S4-190137 | pCR 26.925 Professional production content bitrates | Sony Europe Limited, Ericsson LM | 8.9 |  |
| S4-190138 | On Conversational Use Cases of Extended Reality over 5G | Dolby Laboratories Inc. | 10.6 | S4-190217 |
| S4-190139 | Realization of 3D Image Messaging | Samsung Electronics Benelux BV | 10.6 |  |
| S4-190140 | Liaison Statement on QoE Metrics for VR | ISO/IECJTC 1/SC 29/ WG11 (MPEG) | 5.3 |  |
| S4-190141 | Liaison Statement on MPEG Network-Based Media Processing | ISO/IECJTC 1/SC 29/ WG11 (MPEG) | 5.3 |  |
| S4-190142 | Liaison Statement on Point Cloud Compression in MPEG-I | ISO/IECJTC 1/SC 29/ WG11 (MPEG) | 5.3 |  |
| S4-190143 | LS on moving xMB to TS 26.348 | TSG SA WG2 | 5.2 |  |
| S4-190144 | Reply LS to SA2 on API for 3rd Party Provisioning of QoS | TSG SA WG2 | 5.2 |  |
| S4-190145 | Reply LS on Informing PCF/PCRF of End-to-end RAN Assisted Codec Adaptation (ANBR) Support | TSG SA WG2 | 5.2 |  |
| S4-190146 | Revised meeting schedule for SA4#102 | SA4 Chairman | 2 |  |
| S4-190147 | Comments to the Corrections of the Alternative fixed-point EVS source code | Cadence Design Systems Inc., Fraunhofer IIS, Ericsson LM, VoiceAge Corporation | 7.6 |  |
| S4-190148 | ZIP of proposed Alternative fixed-Point EVS source code v16.1.0 | Cadence Design Systems Inc., Fraunhofer IIS, Ericsson LM, VoiceAge Corporation | 7.6, 15.4 |  |
| S4-190149 | New investigations and comparisons of ambient noise playback systems (revision of S4-190117) | HEAD acoustics GmbH, Deutsche Telekom AG | 9.5 |  |
| S4-190150 | Draft TR 26.921 Investigations on ambient noise reproduction systems for acoustic testing of terminals (Release 16) V0.1.0 | Rapporteur (HEAD acoustics GmbH) | 9.5, 16.5 |  |
| S4-190151 | Draft Report of the MTSI SWG meeting held during SA4#10 | Chairman MTSI SWG | 13.3 |  |
| S4-190152 | CR 26.114-0456 rev 1 Correction to MTSI network preference management object tree for EVS (Release 13) | Qualcomm Incorporated | 11.4, 14.12 |  |
| S4-190153 | CR 26.114-0457 rev 1 Correction to MTSI network preference management object tree for EVS (Release 14) | Qualcomm Incorporated | 11.4, 14.12 |  |
| S4-190154 | CR 26.114-0458 rev 1 Correction to MTSI network preference management object tree for EVS (Release 15) | Qualcomm Incorporated | 11.4, 14.12 |  |
| S4-190155 | CR 26.114-0459 rev 1 Correction to MTSI network preference management object tree for EVS (Release 16) | Qualcomm Incorporated | 11.4, 14.12 |  |
| S4-190156 | Time Plan for E-FLUS Work Item | Rapporteur (Qualcomm Incorporated) | 11.5, 15.5 |  |
| S4-190157 | Draft CR 26.939 on ANBR-based Boost (Release16) | Qualcomm Incorporated | 11.5 |  |
| S4-190158 | Draft Reply LS on Informing PCF/PCRF of End-to-end RAN Assisted Codec Adaptation (ANBR) Support (To: SA2) | TSG SA WG4 | 5.2, 15.8 | S4-190230 |
| S4-190159 | Draft CR to 26.114 on Signaling of ANBR Capabilities (Release 16) | Intel | 11.7 |  |
| S4-190160 | Proposed Timeplan for 5G\_MEDIA\_MTSI\_ext (v.0.2.1) | Intel (5G\_MEDIA\_MTSI\_ext Rapporteur) | 11.7, 15.8 |  |
| S4-190161 | CR 26.114-0446 rev 3 Coverage and Handoff Enhancements for Media (CHEM) (Release16) POSTPONED | Qualcomm Incorporated | 11.8, 15.9 |  |
| S4-190162 | CR 26.114-0447 rev 1 SDP Examples for Coverage and Handoff Enhancements for Media (CHEM) (Release16) POSTPONED | Qualcomm Incorporated | 11.8, 15.9 |  |
| S4-190163 | [DRAFT] LS on maxe2e-PLR in SDP Offer for CHEM Feature (To: CT3)  | TSG SA WG4 | 11.8, 15.9 | S4-190253 |
| S4-190164 | Time Plan for CHEM Work Item v0.4.1 | Rapporteur (Qualcomm Incorporated) | 11.8 | S4-190174 |
| S4-190165 | Proposed Timeplan for ITT4RT (v.0.0.2) | Intel, Huawei (ITT4RT Rapporteurs) | 11.10 | S4-190180 |
| S4-190166 | Skeleton Permanent Document for ITT4RT | Huawei, Intel (ITT4RT Rapporteurs) | 11.10 | S4-190241 |
| S4-190167 | CR 26.114-0448 rev 1 DBI Signaling Recommendations (Release 16) | Intel | 11.6, 15.7 |  |
| S4-190168 | LS on Core Network Support for DBI (To: CT1, CT3, CT4) | TSG SA WG4 | 11.6, 15.7 |  |
| S4-190169 | Draft LS on Setting DBI Message Interval based on delayBudgetReportingProhibitTimer Configurations (To: RAN2) | TSG SA WG4 | 11.6 | S4-190177 |
| S4-190170 | Draft TR 26.985 Vehicle-to-everything (V2X); Media handling and interaction (Release 16), V0.8.6 | Samsung Electronics Co., Ltd. | 11.9, 16.2 |  |
| S4-190171 | Draft SID On the Operation of VoNR (FS\_So3V) | Samsung Electronics Co., Ltd. | 11.12, 18 | S4-190245 |
| S4-190172 | Follow-up on FLUS Architecture and Control Interface for UE-based Control Point | Qualcomm Incorporated | 11.5 |  |
| S4-190173 | CR 26.238-003 rev 2 Remote Control Interface (Release 16) POSTPONED | Ericsson LM | 11.5 |  |
| S4-190174 | Time Plan for CHEM Work Item v0.4.2 | Qualcomm Incorporated (Rapporteur) | 11.8, 15.9 | S4-190252 |
| S4-190175 | Draft CR 26.939 E-FLUS media production use case | Sony Europe Limited | 11.5 |  |
| S4-190176 | E2E\_DELAY: Proposed Draft Time Plan v.0.2.1 | Intel (E2E\_DELAY Rapporteur) | 11.6, 15.7 |  |
| S4-190177 | LS on Setting DBI Message Interval based on delayBudgetReportingProhibitTimer Configurations (To: RAN2) | TSG SA WG4 | 11.6, 15.7 |  |
| S4-190178 | CR 26.114-0451 rev 1 Clarification on b=AS with evs-mode-switch parameter (Release 16) | Intel | 11.11, 15.14 | S4-190255 |
| S4-190179 | Permanent Document Updating TR 26.939 per SA4#102 | Qualcomm Incorporated (Rapporteur) | 11.5, 15.5 |  |
| S4-190180 | Proposed Timeplan for ITT4RT (v.0.0.3) | Intel, Huawei Technologies Co., Ltd. (ITT4RT Rapporteurs) | 11.10, 15.13 |  |
| S4-190181 | Reply LS on Collection of Slice Related Data Analytics from UEs (To: SA2) | Ericsson LM | 5.2, 8.3 | S4-190195 |
| S4-190182 | CR 26.346-0625 rev 1 Changes Pertaining to Service Interactivity Feature (Release 16) | Qualcomm Incorporated | 8.6, 15.3 |  |
| S4-190183 | CR 26.347-0006 rev 1 Changes Pertaining to Service Interactivity (Release 16) | Qualcomm Incorporated | 8.6 | S4-190196 |
| S4-190184 | Work Plan for 5GMSA v0.2 | Rapporteur (Ericsson LM) | 8.8, 15.12 |  |
| S4-190185 | Skeleton TS 26.501 5G Media Streaming (5GMS); General description and architecture v0.1.0 | Rapporteur (Ericsson LM) | 8.8, 15.12 |  |
| S4-190186 | CR 26.346-0626 rev 1 New announcement profile for mission critical services (Release 16) | Expway | 8.7 | S4-190198 |
| S4-190187 | CR 26.348-0002 rev 1 New self-contained announcement mode (Release 16) | Expway | 8.7 | S4-190199 |
| S4-190188 | Time plan MC\_xMB | Rapporteur (Expway) | 8.7 | S4-190200 |
| S4-190189 | pCR 26.925 on Information Collection | Qualcomm Incorporated | 8.9 |  |
| S4-190190 | TR 26.925 Typical traffic characteristics of media services on 3GPP networks, v. 0.2.0 | Editor (Ericsson LM) | 8.10, 16.3 |  |
| S4-190191 | Proposed Work Plan for FS\_TyTraC v. 3.0 | Rapporteur (Qualcomm Incorporated) | 8.10 | S4-190192 |
| S4-190192 | Proposed Work Plan for FS\_TyTraC v. 3.1 | Rapporteur (Qualcomm Incorporated) | 16.3 |  |
| S4-190193 | pCR 5G Streaming Architecture Proposals | Ericsson LM | 8.8 | S4-190201 |
| S4-190194 | 5GMSA Permanent Document on list of functionalities - v0.1 | Ericsson LM | 8.8, 15.12 |  |
| S4-190195 | LS on Collection of Slice Related Data Analytics from UEs (To: SA2, Cc: SA, RAN, RAN2, RAN3, SA5, CT1) | TSG SA WG4 | 5.2 |  |
| S4-190196 | CR 26.347-0006 rev 2 Changes Pertaining to Service Interactivity (Release 16) | Qualcomm Incorporated | 8.6, 15.3 |  |
| S4-190197 | SerInter Time Plan | Expway | 8.7, 15.3 |  |
| S4-190198 | CR 26.346-0626 rev 2 New announcement profile for mission critical services (Release 16) | Expway | 8.7, 15.10 |  |
| S4-190199 | CR 26.348-0002 rev 2 Support of profile 1c (Release 16) | Expway | 8.7, 15.10 |  |
| S4-190200 | Time plan for MC\_xMB | Rapporteur (Expway) | 8.7, 15.10 |  |
| S4-190201 | 5G Streaming Architecture Proposals | Ericsson LM | 8.8, 15.12 |  |
| S4-190202 | MBS SWG meeting report at SA4#102 | MBS SWG Chairman | 13.2 | S4-190259 |
| S4-190203 | CR 26.445-0042 Correction of EVS SID update (Release 12) | Orange, Intel | 14.12 | S4-190263 |
| S4-190204 | CR 26.445-0043 Correction of EVS SID update (Release 13) | Orange, Intel | 14.12 | S4-190264 |
| S4-190205 | CR 26.445-0044 Correction of EVS SID update (Release 14) | Orange, Intel | 14.12 | S4-190265 |
| S4-190206 | CR 26.445-0045 Correction of EVS SID update (Release 15) | Orange, Intel | 14.12 | S4-190266 |
| S4-190207 | CR 26.449-0003 Correction of EVS SID update (Release 12) | Orange, Intel | 14.12 | S4-190267 |
| S4-190208 | CR 26.449-0004 Correction of EVS SID update (Release 13) | Orange, Intel | 14.12 | S4-190268 |
| S4-190209 | CR 26.449-0005 Correction of EVS SID update (Release 14) | Orange, Intel | 14.12 | S4-190269 |
| S4-190210 | CR 26.449-0006 Correction of EVS SID update (Release 15) | Orange, Intel | 14.12 | S4-190270 |
| S4-190211 | Updated Draft CR to TS 26.118 on Presentation without Pose Information to 2D Screens | Qualcomm Incorporated | 10.4 | S4-190221 |
| S4-190212 | Characterization and Interop of VRStream Technologies | Qualcomm Incorporated | 18 |  |
| S4-190213 | [DRAFT] LS on VR Ecosystem & Standards workshops (To: ITU-T Q8/16) | TSG SA WG4 | 5.3 | S4-190223 |
| S4-190214 | Consolidated use cases | Qualcomm Incorporated | 10.6 | S4-190224 |
| S4-190215 | Use case for XR | LG Electronics Inc. | 10.6 |  |
| S4-190216 | XR5G Use Cases - Single Camera Social XR | KPN N.V. | 10.6 |  |
| S4-190217 | On Conversational Use Cases of Extended Reality over 5G | Dolby Laboratories Inc. | 10.6 |  |
| S4-190218 | pCR 26.929 Viewport and encoding quality | InterDigital Communications, Inc., Huawei Technologies Co., Ltd. | 10.5 |  |
| S4-190219 | Draft 3GPP TR 26.929 QoE parameters and metrics relevant to the Virtual Reality user experience (Release 16), v. 0.7.0 | Rapporteur (Ericsson) | 16.1 |  |
| S4-190220 | Reply LS on FS\_XR5G use cases (To: SA1) | 3GPP SA WG4 | 5.2 | S4-190261 |
| S4-190221 | dCR26.118: Presentation without Pose Information and Flat Rendering | Qualcomm Incorporated | 14.8 |  |
| S4-190222 | FS\_XR5G: Updates to Key Technologies | Qualcomm Incorporated | 10.6, 16.4 |  |
| S4-190223 | LS on VR Ecosystem & Standards workshops (To: ITUT Q8/16) | TSG SA WG4 | 5.3 |  |
| S4-190224 | Consolidated use cases | Qualcomm Incorporated | 10.6 | S4-190225 |
| S4-190225 | Consolidated use cases | Qualcomm Incorporated | 16.4 | S4-190229 |
| S4-190226 | FS\_XR5G: Permanent document, v0.3 | Rapporteur (Qualcomm Incorporated) | 16.4 | S4-190258 |
| S4-190227 | FS\_XR5G Time plan | Rapporteur (Qualcomm Incorporated) | 16.4 |  |
| S4-190228 | VIDEO SWG Report during SA4#102 | Chairman Video SWG | 13.5 |  |
| S4-190229 | Consolidated use cases | Qualcomm Incorporated | 16.4 |  |
| S4-190230 | Reply LS on Informing PCF/PCRF of End-to-end RAN Assisted Codec Adaptation (ANBR) Support (To: SA2) | TSG SA WG4 | 5.2, 15.8 | S4-190251 |
| S4-190231 | On IVAS performance requirements for scene-based audio | Orange | 7.5 | S4-190239 |
| S4-190232 | Reply LS on 5G requirements for dedicated broadcast networks | TSG SA WG2 | 12 |  |
| S4-190233 | CR 26.444-0025 rev 2 Correction and addition of reference to ALT\_FX\_EVS implementation (Release 16) | Ericsson LM, VoiceAge Corporation | 7.6, 15.4 |  |
| S4-190234 | CR 26.952-0008 rev 1 Inclusion of characterisation results of the alternative fixed-point implementation of EVS (Release 16) | Cadence Design Systems Inc. | 7.6, 15.4 | S4-190256 |
| S4-190235 | CR 26.132-0098 rev 1 Use of default EVS SID update (Release 16) | Orange, Intel | 9.4, 15.14 | S4-190242 |
| S4-190236 | New SID on UEs Supporting Handset Mode with Non-Traditional Earpieces (FS\_HaNTE) | Qualcomm Incorporated, Sony Mobile Communications, Samsung Electronics Co., Ltd., HEAD Acoustics GmbH | 9.7 | S4-190238 |
| S4-190237 | New WID on UE Audio Quality Testing for Immersive Audio Services (ATIAS) | Orange, Deutsche Telekom AG, Head acoustics GmbH | 9.7, 18 | S4-190243 |
| S4-190238 | New SID on UEs Supporting Handset Mode with Non-Traditional Earpieces (FS\_HaNTE) | Qualcomm Incorporated, Sony Mobile Communications, Samsung Electronics Co., Ltd., HEAD Acoustics GmbH | 9.7, 18 | S4-190244 |
| S4-190239 | On IVAS performance requirements for scene-based audio | Orange | 7.5 |  |
| S4-190240 | LS reply on amended update to fixed-point basic operators and a new alternative EVS codec implementation (To: ITU-T Q2/12) | TSG SA WG4 | 7.6, 5.3 | S4-190257 |
| S4-190241 | Skeleton Permanent Document for ITT4RT | Intel, Huawei Technologies Co., Ltd. (ITT4RT Rapporteurs) | 11.10, 15.13 |  |
| S4-190242 | CR 26.132-0098 rev 2 Use of default EVS SID update (Release 16) | Orange, Intel, Sony Mobile Communications | 15.14 |  |
| S4-190243 | New WID on terminal Audio quality performance and Test methods for Immersive Audio Services (ATIAS) | Orange, Deutsche Telekom AG, Head acoustics GmbH, Dolby Laboratories Inc., Fraunhofer IIS, Nokia Corporation | 18 | S4-190262 |
| S4-190244 | New SID on UEs Supporting Handset Mode with Non-Traditional Earpieces (FS\_HaNTE) | Qualcomm Incorporated, Sony Mobile Communications, Samsung Electronics Co., Ltd., HEAD Acoustics GmbH, Orange | 18 |  |
| S4-190245 | Draft SID On the Operation of VoNR (FS\_So3V) POSTPONED | Samsung Electronics Co., Ltd, LG Uplus Corp, VoiceAge Corporation, HEAD Acoustics GmbH, Deutsche Telekom AG, KT Corporation, Fraunhofer IIS | 18 |  |
| S4-190246 | IVAS Permanent document IVAS-2: IVAS Project Plan, v0.0.5 | IVAS Co-Rapporteur (Qualcomm) | 7.5, 15.1 |  |
| S4-190247 | IVAS codec development overview (IVAS-1), v. 0.0.3 | Editor (Huawei Technologies Co. Ltd) | 7.5, 15.1 |  |
| S4-190248 | IVAS Design Constraints (IVAS-4), v0.0.7 | IVAS Co-Rapporteur (Huawei Technologies Co. Ltd) | 7.5, 15.1 |  |
| S4-190249 | EVS SWG Agenda | EVS SWG Chairman | 7 |  |
| S4-190250 | Report of EVS SWG meeting during SA4#102 | EVS SWG Secretary | 13.1 |  |
| S4-190251 | Reply LS on Informing PCF/PCRF of End-to-end RAN Assisted Codec Adaptation (ANBR) Support (To: SA2) | TSG SA WG4 | 5.2, 15.8 |  |
| S4-190252 | Time Plan for CHEM Work Item v0.4.3 | Qualcomm Incorporated (Rapporteur) | 15.9 |  |
| S4-190253 | LS on maxe2e-PLR in SDP Offer for CHEM Feature (To: CT3) | TSG SA WG4 | 15.9 |  |
| S4-190254 | TR 26.928 Extended Reality (XR) in 5G (Release 16), v0.3.0 | Qualcomm Incorporated (Rapporteur) | 16.4 |  |
| S4-190255 | CR 26.114-0451 rev 2 Clarification on b=AS with evs-mode-switch parameter (Release 16) | Intel | 15.14 |  |
| S4-190256 | CR 26.952-0008 rev 2 Inclusion of characterisation results of the alternative fixed-point implementation of EVS (Release 16) | Cadence Design Systems Inc. | 15.4 |  |
| S4-190257 | LS reply on amended update to fixed-point basic operators and a new alternative EVS codec implementation (To: ITU-T Q2/12) | TSG SA WG4 | 5.3 |  |
| S4-190258 | Permanent document on FS\_XR5G, v0.3.1 | Rapporteur (Qualcomm Incorporated) | 16.4 | S4-190260 |
| S4-190259 | MBS SWG meeting report at SA4#102 | MBS SWG Chairman | 13.2 |  |
| S4-190260 | Permanent document on FS\_XR5G, v0.3.2 | Rapporteur (Qualcomm Incorporated) | 16.4 |  |
| S4-190261 | Reply LS on FS\_XR5G use cases (To: SA1) | 3GPP SA WG4 | 5.2 |  |
| S4-190262 | New WID on terminal Audio quality performance and Test methods for Immersive Audio Services (ATIAS) | Orange, Deutsche Telekom AG, Head acoustics GmbH, Dolby Laboratories Inc., Fraunhofer IIS, Nokia Corporation | 18 | S4-190271 |
| S4-190263 | CR 26.445-0042 rev 1 Correction of EVS SID update (Release 12) | Orange, Intel | 14.12 |  |
| S4-190264 | CR 26.445-0043 rev 1 Correction of EVS SID update (Release 13) | Orange, Intel | 14.12 |  |
| S4-190265 | CR 26.445-0044 rev 1 Correction of EVS SID update (Release 14) | Orange, Intel | 14.12 |  |
| S4-190266 | CR 26.445-0045 rev 1 Correction of EVS SID update (Release 15) | Orange, Intel | 14.12 |  |
| S4-190267 | CR 26.449-0003 rev 1 Correction of EVS SID update (Release 12) | Orange, Intel | 14.12 |  |
| S4-190268 | CR 26.449-0004 rev 1 Correction of EVS SID update (Release 13) | Orange, Intel | 14.12 |  |
| S4-190269 | CR 26.449-0005 rev 1 Correction of EVS SID update (Release 14) | Orange, Intel | 14.12 |  |
| S4-190270 | CR 26.449-0006 rev 1 Correction of EVS SID update (Release 15) | Orange, Intel | 14.12 |  |
| S4-190271 | New WID on terminal Audio quality performance and Test methods for Immersive Audio Services (ATIAS) | Orange, Deutsche Telekom AG, Head acoustics GmbH, Dolby Laboratories Inc., Fraunhofer IIS, Nokia Corporation | 18 |  |
| S4-190272 | Draft Report of SA4#101 meeting, v. 0.0.1 | TSG-S4 Secretary |  |  |