|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tdoc | Title | Source(s) | Agenda Item(s) | Replaced by |
| S4-191078 | Draft Report of SA4#105 meeting, v. 0.0.1 | TSG-S4 Secretary | 4 |  |
| S4-191079 | Meeting agenda for SA4#106 | SA4 Chairman | 2 |  |
| S4-191080 | Proposed meeting schedule for SA4#106 | SA4 Chairman | 2 | S4-191227 |
| S4-191081 | Brief report from SA#85 on SA4 matters | SA4 Chairman | 5.2 |  |
| S4-191082 | VIDEO SWG telco report on XR5G 19th Sept 2019 | VIDEO SWG Chairman (Orange) | 5.1 |  |
| S4-191083 | VIDEO SWG telco report on VRQoE 1st Oct 2019 | VIDEO SWG Chairman (Orange) | 5.1 |  |
| S4-191084 | Report from SA4 SQ SWG conf. call on FS\_ANTeM (17th September 2019) | SA4 SQ SWG Chairman | 5.1 |  |
| S4-191085 | Report from SA4 SQ SWG conf. call on ATIAS (19th September 2019) | SA4 SQ SWG Chairman | 5.1 |  |
| S4-191086 | Stitching the presentation into the omnidirectional video in ITT4RT | KPN N.V. | 11.7 | S4-191254 |
| S4-191087 | Immersive Media @ IBC 2019 | KPN N.V. | 10.6 |  |
| S4-191088 | Draft Report from MTSI SWG 6 Sept 2019 Teleconference #2 on ITT4RT | SA4 MTSI SWG Chair | 5.1 |  |
| S4-191089 | Draft Report from MTSI-MBS SWG 9 Sept 2019 Teleconference on #9 on E\_FLUS | SA4 MTSI SWG Chair | 5.1 |  |
| S4-191090 | Draft Report from MTSI SWG 13 Sept 2019 Teleconference #5 on 5G\_MEDIA\_MTSI\_ext | SA4 MTSI SWG Chair | 5.1 |  |
| S4-191091 | Draft Report from MTSI-MBS SWG 1 Oct 2019 Teleconference on #10 on E\_FLUS | SA4 MTSI SWG Chair | 5.1 |  |
| S4-191092 | CR 26.114-0492 References to CHEM SDP Examples (Release 16) | Qualcomm Incorporated | 11.10, 15.8 |  |
| S4-191093 | CR 26.114-0493 Registration and Corrections of CHEM SDP Attributes (Release 16) | Qualcomm Incorporated | 11.10 | S4-191252 |
| S4-191094 | Media Codec Profiles for E\_FLUS | Qualcomm Incorporated | 11.5 |  |
| S4-191095 | CR 26.114-0494 Considerations on the QoS hint for MTSI (Release 16) WITHDRAWN MISSING | Qualcomm Incorporated | 11.6 |  |
| S4-191096 | Update based on 5GAA Input | Qualcomm Incorporated | 11.9 | S4-191262 |
| S4-191097 | Reply LS on physical layer data rate of RAN-assisted codec adaptation | TSG RAN WG2 | 5.2 |  |
| S4-191098 | LS on QoE Measurement Collection | TSG SA WG5 | 5.2 |  |
| S4-191099 | Reply LS on NBMP | TSG SA WG6 | 5.2 |  |
| S4-191100 | Reply LS on C-V2X Sensor Sharing of Media and Object Information | 5GAA WG1 | 5.3 |  |
| S4-191101 | Liaison Statement on Results of ITU's work on machine learning for 5G networks | ITU-T FG ML5G | 5.3 |  |
| S4-191102 | Liaison Statement from SC 29/WG 11 to 3GPP on CMAF | ISO/IEC JTC 1/SC 29/WG 11 (MPEG) | 5.3 |  |
| S4-191103 | Proposed Timeplan for ITT4RT (v0.4.0) | Intel, Futurewei Technologies (ITT4RT Rapporteurs) | 11.7 | S4-191255 |
| S4-191104 | ITT4RT Permanent Document - Requirements, Working Assumptions and Potential Solutions (v0.4.0) | Intel, Futurewei Technologies (ITT4RT Rapporteurs) | 11.7 | S4-191256 |
| S4-191105 | ITT4RT: Editorial Updates to the Permanent Document | Intel | 11.7 |  |
| S4-191106 | ITT4RT: Applications to 3GPP FLUS | Intel | 11.7 |  |
| S4-191107 | ITT4RT: Further Aspects on Viewport Information Signaling | Intel | 11.7 | S4-1911261 |
| S4-191108 | ITT4RT: Further Aspects on Network-based Stitching | Intel | 11.7 | S4-1911265 |
| S4-191109 | ITT4RT: Further SEI Message Considerations | Intel | 11.7 | S4-191272 |
| S4-191110 | Support for Network-Based Media Processing (NBMP) WITHDRAWN MISSING | Intel | 8.8 |  |
| S4-191111 | Proposed Timeplan for 5G\_MEDIA\_MTSI\_ext (v.0.6.0) | Intel (Rapporteur) | 11.6 | S4-191270 |
| S4-191112 | Draft CR 26.223 Alignment with MTSI on IMS Data Channel Support (Release 16) | Intel | 11.6 |  |
| S4-191113 | Considerations on the QoS hint for MTSI | Qualcomm Incorporated | 11.5 |  |
| S4-191114 | Draft CR TS 26.501 - Stage 2 for Media Session Establishment; Interactions with network assistance (Release 16) | KPN N.V. | 8.6 | S4-191249 |
| S4-191115 | pCR TS 26.512 Stage 3 for Media Session Handler; Downlink network assistance API | KPN N.V. | 8.8 |  |
| S4-191116 | Draft EVS SWG Agenda | SA4 EVS SWG Chairman | 7 | S4-191310 |
| S4-191117 | CR 26.443-0029 rev 1 Correction of scope (Release 16) | Qualcomm Incorporated | 7.3, 15.15 |  |
| S4-191118 | Results of Round Robin Tests for FS\_ANTeM | HEAD acoustics GmbH | 9.6 |  |
| S4-191119 | Draft Time Plan for FS\_AnTEM v0.5 | Rapporteur (HEAD acoustics GmbH) | 9.6 | S4-191301 |
| S4-191120 | On ITT4RT Systems and Operations | InterDigital Communications | 11.7 | S4-191266 |
| S4-191121 | On the completion of SI FS\_mV2X | Samsung Electronics Co., Ltd | 11.9 | S4-191263 |
| S4-191122 | Additional use case for VR conferencing supporting interactions NOT TREATED | China Mobile Com. Corporation | 11.7 |  |
| S4-191123 | Draft CR TS 26.501 on Proposed Updates for Consistent Terminology (Release 16) | Qualcomm Incorporated | 8.6 |  |
| S4-191124 | Draft CR TS 26.501 on Network Assistance for Traffic Handling in Downlink Streaming (Release 16) | Qualcomm Incorporated | 8.6 | S4-191235 |
| S4-191125 | pCR TS 26.117 Proposed Updates to Audio Operation Points | Qualcomm Incorporated | 8.8 |  |
| S4-191126 | pCR TS 26.117 Proposed Updates to Transport Mapping | Qualcomm Incorporated | 8.8 |  |
| S4-191127 | pCR TS 26.511 DASH-based Ingest | Qualcomm Incorporated | 8.8 | S4-191245 |
| S4-191128 | pCR TS 26.511 Client APIs for 5GMS | Qualcomm Incorporated | 8.8, 15.12 |  |
| S4-191129 | pCR TS 26.511 Device Media Capabilities for 5GMS WITHDRAWN MISSING | Qualcomm Incorporated | 8.8 |  |
| S4-191130 | Proposed update to PD | Qualcomm Incorporated | 10.6 |  |
| S4-191131 | pCR TR 26.928 Editor's Proposed update to TR | Qualcomm Incorporated | 10.6 |  |
| S4-191132 | pCR TR 26.928 Standardization Update | Qualcomm Incorporated | 10.6 |  |
| S4-191133 | pCR TR 26.928 Refinements to Architectures WITHDRAWN MISSING | Qualcomm Incorporated | 10.6 |  |
| S4-191134 | pCR TR 26.928 Use Cases to Architecture Mappings WITHDRAWN MISSING | Qualcomm Incorporated | 10.6 |  |
| S4-191135 | pCR TR 26.928 Updates on Device and Factors | Qualcomm Incorporated | 10.6 |  |
| S4-191136 | pCR TR 26.928 XR Formats and Properties | Qualcomm Incorporated | 10.6 | S4-191291 |
| S4-191137 | pCR TR 26.925 Proposed Updates to TyTraC | Qualcomm Incorporated | 8.9, 17.2 |  |
| S4-191138 | Draft New Feasibility Study on 5G Video Codec Characteristics | Qualcomm Incorporated | 10.8 | S4-191281 |
| S4-191139 | Collected Information for Conformance and Interop | Qualcomm Incorporated | 10.7 |  |
| S4-191140 | CR 26.444-0027 EVS Non Bit Exact Float conformance (Release 16) | Fraunhofer IIS, Intel, Apple | 7.6 | S4-191228 |
| S4-191141 | Considerations on multicast support in 5GMS | TELUS | 8.10 |  |
| S4-191142 | Draft CR 26.118 on VR QoE Configuration and Reporting (Release 16) | Ericsson LM | 10.5 |  |
| S4-191143 | Draft CR 26.118 on VR QoE Metrics (Release 16) | Ericsson LM, Fraunhofer HHI, InterDigital Communications, Inc. | 10.5 | S4-191282 |
| S4-191144 | Discussion on incoming LS on QoE Measurement Collection | Ericsson LM | 8..3 |  |
| S4-191145 | Draft LS reply on QoE Measurement Collection | Ericsson LM | 8.3 | S4-191234 |
| S4-191146 | Draft CR 26.247 on QoE Measurement Collection (Release 16) WITHDRAWN MISSING | Ericsson LM | 8.3 |  |
| S4-191147 | Draft CR 26.114 on QoE Measurement Collection (Release 16) WITHDRAWN MISSING | Ericsson LM | 11..3 |  |
| S4-191148 | Draft CR 26.114 on Amended QoS Signaling (Release 16) | Ericsson LM | 11.5 | S4-191257 |
| S4-191149 | Draft CR 26.238 on Amended QoS Signaling (Release 16) | Ericsson LM | 11.5 | S4-191258 |
| S4-191150 | CR 26.238-0011 Correction of FLUS Media Indication (Release 16) | Ericsson LM, Samsung Electronics Co., Ltd | 11.5 | S4-191274 |
| S4-191151 | Draft LS to CT1/3 on QoS mapping procedure | Ericsson LM | 11.5 | S4-191277 |
| S4-191152 | RTCPVer Time Plan v0.1 | Ericsson LM | 11.8 | S4-191269 |
| S4-191153 | Draft CR 26.114 on Addition of MTSI Data Channel Media (Release 16) | Ericsson LM | 11.6 |  |
| S4-191154 | Draft CR to TS 26.501 on “Stage 2 for Media Session Establishment; Interactions with policy control” (Release 16) | Ericsson LM | 8.6 | S4-191236 |
| S4-191155 | Draft CR 26.501: Stage 2: M1d Media streaming provisioning interface (Release 16) | Ericsson LM | 8.6 | S4-191242 |
| S4-191156 | Draft CR to TS 26.501: Stage 2: General corrections and alignments (Release 16) | Ericsson LM | 8.6 |  |
| S4-191157 | Draft CR to TS 26.501: Stage 2: General / highlevel workflow for uplink streaming (Release 16) | Ericsson LM | 8.6 | S4-191243 |
| S4-191158 | pCR 26.512 Stage 3, Dynamic Policy API | Ericsson LM | 8.8 |  |
| S4-191159 | pCR TR 26.925 on cloud gaming | Ericsson LM | 8.9 |  |
| S4-191160 | IVAS algorithmic delay and complexity | Ericsson LM | 7.5 |  |
| S4-191161 | IVAS pass-through mode | Ericsson LM | 7.5 |  |
| S4-191162 | IVAS testing | Ericsson LM | 7.5 |  |
| S4-191163 | Draft New WID on Handsets Featuring Non-Traditional Earpieces | Qualcomm Incorporated | 9.8 | S4-191302 |
| S4-191164 | 5GMS3 work plan V0.4 | Sony Europe B.V. | 8.8 | S4-191244 |
| S4-191165 | 5GMSA high-level architecture | Sony Europe B.V. | 8.6 |  |
| S4-191166 | Draft CR TS 26.238 AsInf feature (Release 16) | Sony Europe B.V. | 11.5 |  |
| S4-191167 | Description of the IVAS MASA C Reference Software | Nokia Corporation | 7.5 |  |
| S4-191168 | Proposal for IVAS MASA | Nokia Corporation | 7.5 |  |
| S4-191169 | CR 26.238-0012 Update, correction, and clarification of reference and text (Release 16) | Samsung Electronics Co., Ltd, SK Telecom | 11.5 | S4-191260 |
| S4-191170 | Test sequence for FS\_VR\_CoGui | Orange | 10.7 | S4-191287 |
| S4-191171 | On device and scene orientation signalling | Nokia Corporation | 7.5 |  |
| S4-191172 | On voice and priority information for IVAS audio inputs | Nokia Corporation | 7.5 |  |
| S4-191173 | Capture of input format combinations for IVAS | Nokia Corporation | 7.5 |  |
| S4-191174 | Draft TS 26.139 RTP/RTCP Verification Procedures v0.0.1 | Editor (Ericsson LM) | 11.8 | S4-191268 |
| S4-191175 | pCR TS 26.512 on Consumption Reporting API | ENENSYS | 8.8 |  |
| S4-191176 | On the use of track groups | Philips International B.V. | 7.5 |  |
| S4-191177 | On IVAS complexity | Philips International B.V. | 7.5 |  |
| S4-191178 | Draft CR 25.501 DRM client role in 5GMS client (Release 16) | TELUS | 8.6 | S4-191241 |
| S4-191179 | Evaluation of potential IVAS Reference Codecs - SBA Format | Fraunhofer IIS | 7.5 |  |
| S4-191180 | ATIAS Contents | Fraunhofer IIS | 9.5 |  |
| S4-191181 | IVAS Output Formats | Fraunhofer IIS | 7.5 |  |
| S4-191182 | On Signal/Track Groups | Fraunhofer IIS | 7.5 |  |
| S4-191183 | pCR TS 26.117 on Comments on 26.117 | Fraunhofer IIS | 8.8 |  |
| S4-191184 | On Complexity and Delay Constraints for IVAS | Fraunhofer IIS | 7.5 |  |
| S4-191185 | Transport of HLS and hybrid HLS/Dash services over MBMS | Apple (UK) Limited | 8.11 |  |
| S4-191186 | Report from MBS SWG ad-hoc telco on 5GMS3 and 5GMSA – 11th September 2019 | SA4 MBS SWG Chairman | 5.1 |  |
| S4-191187 | Report from MBS SWG ad-hoc telco on 5GMS3 and 5GMSA – 25th September 2019 | SA4 MBS SWG Chairman | 5.1 |  |
| S4-191188 | Report from MBS SWG ad-hoc telco on 5GMS3 and 5GMSA – 9th October 2019 | SA4 MBS SWG Chairman | 5.1 |  |
| S4-191189 | Report from MBS SWG ad-hoc telco on FS\_TyTrac – 23rd September 2019 | SA4 MBS SWG Chairman | 5.1 |  |
| S4-191190 | On quality control of individually manipulatable objects | Dolby Laboratories Inc. | 7.5 |  |
| S4-191191 | On bit rate allocation to individually manipulatable objects | Dolby Laboratories Inc. | 7.5 |  |
| S4-191192 | Draft CR 26.238 on Corrections and Improvements to TS 26.238 (Release 16) | Qualcomm Incorporated | 11.5 | S4-191259 |
| S4-191193 | On the importance of content integrity | Dolby Laboratories Inc. | 7.5 |  |
| S4-191194 | Draft CR 26.238 on Uplink Assistance via RAN Signaling (Release 16) | Qualcomm Incorporated | 11.5 | S4-191267 |
| S4-191195 | On the main purpose of audio track groups | Dolby Laboratories Inc. | 7.5 |  |
| S4-191196 | On Mandatory and Recommended IVAS Codec/Renderer Output Formats | Dolby Laboratories Inc. | 7.5 |  |
| S4-191197 | On Passthrough Mode for Scene- and Channel-based encoder input | Dolby Laboratories Inc. | 7.5 |  |
| S4-191198 | On Reference Testing with Headphone Playback | Dolby Laboratories Inc. | 7.5 |  |
| S4-191199 | On Reference Testing with Loudspeaker Playback | Dolby Laboratories Inc. | 7.5 |  |
| S4-191200 | Input Audio and Session Metadata for the IVAS encoder | Dolby Laboratories Inc. | 7.5 |  |
| S4-191201 | Feasibility of UNA in FLUS | Qualcomm Incorporated | 11.5 |  |
| S4-191202 | Feasibility of Downlink and Uplink Assistance in 5GMS | Qualcomm Incorporated | 8.8 |  |
| S4-191203 | Halt in Stage 3 Specification of Assistance Information Functionality | Qualcomm Incorporated | 11.5 |  |
| S4-191204 | Draft CR 26.247 Support for Service Interactivity via Event Signaling and DASH APIs (Release 16) | Qualcomm Incorporated | 8.7 | S4-191238 |
| S4-191205 | Draft CR 26.346 Service Interactivity Support in DASH-over-MBMS Service (Release 16) | Qualcomm Incorporated | 8.7 | S4-191239 |
| S4-191206 | IVAS MASA Evaluation | Fraunhofer IIS | 7.5 |  |
| S4-191207 | Draft CR 26.501 Network Assistance updates (Release 16) | Sony Europe B.V. | 8.8, 15.11 |  |
| S4-191208 | Draft report from SA4 EVS SWG Teleconference #62 (26 September 2019 17:00-19:00 CEST on FLC) | EVS SWG Secretary (Orange) | 5.1 |  |
| S4-191209 | Draft report from SA4 EVS SWG Teleconference #63 (27 September 2019 15:00-17:00 CEST on IVAS pass-through) | EVS SWG Secretary (Orange) | 5.1 |  |
| S4-191210 | Draft CR TS 26.445 Clarifications on ch-aw-recv (Release 16) POSTPONED | Orange | 7.3 |  |
| S4-191211 | Status report on HTF evaluation | Orange | 7.5 |  |
| S4-191212 | On pass-through mode for scene manipulation | Orange | 7.5 |  |
| S4-191213 | Verification test on EVS FLC conformance procedure WITHDRAWN MISSING | Orange | 7.6 |  |
| S4-191214 | CR 26.114-0460 rev 3 Use of default EVS SID update (Release 16) | Orange | 7.3 | S4-191306 |
| S4-191215 | pCR TS 26.512 on Alignment with stage-2 | Qualcomm Incorporated | 8.8 |  |
| S4-191216 | Liaison Statement on RTT Multi-party conference calling | ETSI TC HF | 5.3 |  |
| S4-191217 | Margins around Viewport for improved user experience | Nokia Corporation | 11.7 |  |
| S4-191218 | Proposed Updates to the ITT4RT Permanent Document | Nokia Corporation | 11.7 |  |
| S4-191219 | Still Background for 360-degree video | Nokia Corporation | 11.7 | S4-191273 |
| S4-191220 | Comments to AHVIC-200 | Nokia Corporation | 10.6 |  |
| S4-191221 | Nokia IBC 2019 demos | Nokia Corporation | 10.6 |  |
| S4-191222 | XR Streaming use case update | Nokia Corporation | 10.6 |  |
| S4-191223 | Proposed time Plan for FS\_VR\_CoGui | Rapporteur (Nokia Corporation) | 10.7 | S4-191286 |
| S4-191224 | TR 26.A00 v. 0.0.1 (Skeleton) on Study on VR Streaming Conformance and Guidelines | Editor (Nokia Corporation) | 10.7 | S4-191285 |
| S4-191225 | Liaison Statement to 3GPP SA4: DASH Client Event and Timed Metadata APIs Work and other DASH-IF activities | DASH-IF | 5.3 |  |
| S4-191226 | Draft CR 26.238 Correction, and clarification of text of the NBMP reference (Release 16) | Tencent | 11.5 |  |
| S4-191227 | Revised meeting schedule for SA4#106 | SA4 Chairman | 2 |  |
| S4-191228 | CR 26.444-0027 rev 1 EVS Non Bit Exact Float conformance (Release 16) | Fraunhofer IIS, Intel, Apple | 7.6 | S4-191230 |
| S4-191229 | Testing interfaces for ATIAS | Sony Mobile Communications | 9.5 |  |
| S4-191230 | CR 26.444-0027 rev 2 EVS Non Bit Exact Float conformance (Release 16) | Fraunhofer IIS, Intel, Apple (UK) Limited | 7.6 | S4-191322 |
| S4-191231 | MBS SWG report at SA4#106 | MBS SWG Chairman | 13.2 |  |
| S4-191232 | pCR 26.117 proposed updates | Rapporteur (Qualcomm Incorporated) | 8.8, 15.12 |  |
| S4-191233 | Draft new WID on support of hybrid DASH/HLS over MBMS | ENENSYS, Apple (UK) Limited | 8.10 | S4-191316 |
| S4-191234 | Draft LS reply on QoE Measurement Collection (To: TSG SA WG5, Cc: CT1, RAN2, RAN3) | TSG SA WG4 | 8.3, 5.2 |  |
| S4-191235 | Draft CR TS 26.501 on Stage 2 for Dynamic Policy based on Network Slicing (Release 16) | Qualcomm Incorporated | 8.6 | S4-191313 |
| S4-191236 | Draft CR to TS 26.501 on "Stage 2 for Media Session Establishment; Interactions with policy control" (Release 16) | Ericsson LM | 8.6 |  |
| S4-191237 | Draft TR 26.925 Typical traffic characteristics of media services on 3GPP networks, v. 0.7.0 | Rapporteur (Ericsson LM) | 8.9, 17.2 |  |
| S4-191238 | CR 26.247-0163 Support for Service Interactivity via Event Signaling and DASH APIs (Release 16) | Qualcomm Incorporated, Tencent | 8.7 | S4-191314 |
| S4-191239 | CR 26.346-0629 Service Interactivity Support in DASH-over-MBMS Service (Release 16) | Qualcomm Incorporated, Tencent | 8.7 | S4-191318 |
| S4-191240 | Work Item summary for SerInter | Rapporteur (Qualcomm Incorporated) | 8.7, 15.2 |  |
| S4-191241 | Draft CR 25.501 DRM client role in 5GMS client (Release 16) | TELUS | 8.7 |  |
| S4-191242 | Draft CR 26.501: Stage 2: M1d Media streaming provisioning interface (Release 16) | Ericsson LM | 8.6 |  |
| S4-191243 | Draft CR to TS 26.501: Stage 2: General / highlevel workflow for uplink streaming | Ericsson LM | 8.6 |  |
| S4-191244 | 5GMS3 work plan V0.5 | Sony Europe B.V. | 8.8, 15.12 |  |
| S4-191245 | DASH-based Ingest | Qualcomm Incorporated | 8.8 |  |
| S4-191246 | Draft CR TS 26.501 on Consumption Reporting API | ENENSYS | 8.8 | S4-191250 |
| S4-191247 | Draft TS 26.512 5G Media Streaming (5GMS); Protocols, v0.2.0 | Editor (Ericsson LM) | 8.8, 15.12 |  |
| S4-191248 | Considerations on multicast IPTV support in 5GMS | TELUS | 8.10, 19 |  |
| S4-191249 | Draft CR 26.501 on Stage 2 for Media Session Establishment; Interactions with network assistance (Release 16) | KPN N.V., Qualcomm Incorporated | 8.6 | S4-191312 |
| S4-191250 | Draft CR TS 26.501 on Consumption Reporting API | ENENSYS | 15.11 |  |
| S4-191251 | Draft MTSI SWG Report for SA4#106 | MTSI SWG Acting Secretaries | 13.3 | S4-191299 |
| S4-191252 | CR 26.114-0493 rev 1 Registration and Corrections of CHEM SDP Attributes (Release 16) | Qualcomm Incorporated | 11.10, 15.8 |  |
| S4-191253 | Draft Reply Liaison on Multi-party Real Time Text (RTT) in 3GPP specifications (To: ETSI TC-HF) | TSG SA WG4 | 5.3 |  |
| S4-191254 | Stitching the presentation into the omnidirectional video in ITT4RT (update) | KPN N.V., Nokia Corporation | 11.7 |  |
| S4-191255 | Proposed Timeplan for ITT4RT (v0.5.0) | Intel, Futurewei Technologies (ITT4RT Rapporteurs) | 11.7, 16.2 |  |
| S4-191256 | ITT4RT Permanent Document - Requirements, Working Assumptions and Potential Solutions (v0.5.0) | Intel, Futurewei Technologies (ITT4RT Rapporteurs) | 11.7, 16.2 |  |
| S4-191257 | Draft CR 26.114 on Amended QoS Signaling (Release 16) | Ericsson LM, Samsung Electronics Co., Ltd, Qualcomm Incorporated, Intel | 11.5 | S4-191276 |
| S4-191258 | CR 26.238-0015 on Amended QoS Signaling (Release 16) | Ericsson LM, Samsung Electronics Co., Ltd | 11.5, 15.4 |  |
| S4-191259 | CR 26.238-0013 Removal of AsInf Feature (Release 16) | Qualcomm Incorporated | 11.5, 15.4 | S4-191279 |
| S4-191260 | CR 26.238-0012 rev 1 Update, correction, and clarification of reference and text (Release 16)  | Samsung Electronics Co., Ltd, SK Telecom | 11.5, 15.4 | S4-191278 |
| S4-191261 | ITT4RT: Further Aspects on Viewport Information Signaling | Intel | 11.7 |  |
| S4-191262 | pCR 26.985 on Updates based on 5GAA Input (Release 16) | Qualcomm Incorporated | 11.9 |  |
| S4-191263 | On the completion of SI FS\_mV2X (included in S4-191320) | Samsung Electronics Co., Ltd | 11.9 |  |
| S4-191264 | Draft TR 26.985 Vehicle-to-everything (V2X); Media handling and interaction (Release 16), v. 0.9.4 | Rapporteur (Samsung Electronics Co., Ltd) | 17.1 | S4-191320 |
| S4-191265 | ITT4RT: Further Aspects on Network-based Stitching | Intel, Nokia Corporation, Qualcomm Incorporated | 11.7 |  |
| S4-191266 | On ITT4RT Systems and Operations | InterDigital Communications | 11.7 |  |
| S4-191267 | CR 26.238-0014 on Uplink Assistance via RAN Signaling (Release 16) | Qualcomm Incorporated | 11.5, 15.4 | S4-191280 |
| S4-191268 | Draft TS 26.139 RTP/RTCP Verification Procedures v0.0.2 | Editor (Ericsson LM) | 15.14 |  |
| S4-191269 | RTCPVer Time Plan v0.2 | Rapporteur (Ericsson LM) | 11.8, 15.14 |  |
| S4-191270 | Proposed Timeplan for 5G\_MEDIA\_MTSI\_ext (v.0.6.1) | Rapporteur (Intel) | 11.6, 15.7 |  |
| S4-191271 | Updated Time Plan for E\_FLUS Work Item v0.10.0 | Rapporteur (Qualcomm Incorporated) | 15.4 |  |
| S4-191272 | ITT4RT: Further SEI Message Considerations | Intel | 11.7 |  |
| S4-191273 | Still Background for 360-degree video | Nokia Corporation | 11.7 |  |
| S4-191274 | Correction of FLUS Media Indication | Ericsson LM, Samsung Electronics Co., Ltd | 11.5 | S4-191275 |
| S4-191275 | CR 26.238-0011 rev 2 Correction of FLUS Media Indication (Release 16) | Ericsson LM, Samsung Electronics Co., Ltd | 11.5, 15.4 |  |
| S4-191276 | CR 26.114-0495 on Amended QoS Signaling (Release 16) | Ericsson LM, Samsung Electronics Co., Ltd, Qualcomm Incorporated, Intel | 15.4 |  |
| S4-191277 | Draft LS on QoS mapping procedure (To: CT WG3, Cc: CT WG1) | TSG SA WG4 | 15.4 |  |
| S4-191278 | CR 26.238-0012 rev 2 Update, correction, and clarification of reference and text (Release 16) | Samsung Electronics Co., Ltd, SK Telecom, Tencent | 15.4 |  |
| S4-191279 | CR 26.238-0013 rev 1 Removal of AsInf Feature (Release 16) | Qualcomm Incorporated, Sony Europe B.V. | 11.5, 15.4 |  |
| S4-191280 | CR 26.238-0014 rev 1 on Uplink Assistance via RAN Signaling (Release 16) | Qualcomm Incorporated | 11.5, 15.4 |  |
| S4-191281 | Draft Feasibility Study on 5G Video Codec Characteristics | Qualcomm Incorporated | 10.8 | S4-191296 |
| S4-191282 | Draft CR 26.118 on VR QoE Metrics (Release 16) | Ericsson LM, Fraunhofer HHI, InterDigital Communications, Inc. | 10.5, 15.13 |  |
| S4-191283 | Workplan for VRQoE v0.3 | Rapporteur (Ericsson LM) | 10.5 | S4-191293 |
| S4-191284 | Proposed Updated Work Plan for FS\_5GXR, v. 5.2 | Rapporteur (Qualcomm Incorporated) | 10.6 | S4-191292 |
| S4-191285 | TR 26.999 Study on VR Streaming Conformance and Guidelines, v0.1.0 | Editor (Nokia Corporation) | 10.7 | S4-191294 |
| S4-191286 | FS\_VR\_CoGui Timeplan v1.0 | Rapporteur (Nokia Corporation) | 10.7, 17.5 |  |
| S4-191287 | pCR on 26.999 on Test sequence | Orange | 10.7 |  |
| S4-191288 | LS on test vectors for CoGui (To: DASH-IF) | TSG SA WG4 | 10.9, 5.3 | S4-191295 |
| S4-191289 | Draft TR 26.928 Extended Reality (XR) in 5G (Release 16), v1.1.0 | Editor (Qualcomm Incorporated) | 17.3 |  |
| S4-191290 | Permanent document on FS\_5GXR v0.7.0 | Rapporteur (Qualcomm Incorporated) | 17.3 |  |
| S4-191291 | XR Formats and Properties | Qualcomm Incorporated | 10.6, 17.3 |  |
| S4-191292 | Proposed Updated Work Plan for FS\_5GXR, v. 6.0 | Rapporteur (Qualcomm Incorporated) | 10.6, 17.3 |  |
| S4-191293 | Workplan for VRQoE v0.3  | Rapporteur (Ericsson LM) | 10.5, 15.13 |  |
| S4-191294 | Draft TR 26.999 on Study on VR Streaming Interoperability and Characterization, v0.2.0 | Editor (Nokia Corporation) | 17.5 |  |
| S4-191295 | Draft LS on DASH-related matters (To: DASH-IF) | TSG SA WG4 | 17.5 | S4-191329 |
| S4-191296 | Draft New Feasibility Study on 5G Video Codec Characteristics | Qualcomm Incorporated et al. | 19 |  |
| S4-191297 | Draft New WID on Evaluations of EVS Codec Extension for Immersive Voice and Audio Services | Dolby Laboratories Inc. | 19 |  |
| S4-191298 | Report from EVS SWG Adhoc meeting#11 (20 October 2019) | EVS SWG Secretary (Orange) | 5.1 |  |
| S4-191299 | Revised MTSI SWG Report for SA4#106 | MTSI SWG Acting Secretaries | 13.3 |  |
| S4-191300 | VIDEO SWG Report | VIDEO SWG Chairman (Orange) | 13.5 |  |
| S4-191301 | Time Plan for FS\_AnTEM v0.6 | Rapporteur (HEAD acoustics GmbH) | 9.6, 17.4 |  |
| S4-191302 | Draft New WID on Handsets Featuring Non-Traditional Earpieces (HaNTE) | Qualcomm Incorporated, HEAD acoustics GmbH, Samsung Electronics Co., Ltd | 9.8, 19 | S4-191332 |
| S4-191303 | pCR to Draft TS 26.261 Send and receive characteristics of terminals for immersive audio (Release 17) | Dolby Laboratories Inc. | 9.5 |  |
| S4-191304  | Draft CR to TS 26.260 Objective test procedures for immersive audio (Release 17) | Dolby Laboratories Inc. | 9.5 |  |
| S4-191305 | Time Plan for ATIAS v0.0.2 | ATIAS Co-Rapporteurs (Orange, Dolby Laboratories, Inc.) | 9.5, 16.3 |  |
| S4-191306 | CR 26.114-0460 rev 4 Use of default EVS SID update (Release 16) | Orange, Intel | 7.3, 15.15 | S4-191327 |
| S4-191307 | IVAS Design Constraints (IVAS-4), v0.2.0 | Editor (Huawei Technologies Co. Ltd) | 16.1 |  |
| S4-191308 | IVAS-7a:Processing plan for the qualification phase, v0.1.0 | Editor: Tomas Jansson Toftgård, (Ericsson LM) | 16.1 |  |
| S4-191309 | IVAS codec development overview (IVAS-1), v. 0.1.0 | Editor (Huawei Technologies Co. Ltd) | 16.1 |  |
| S4-191310 |  Revised EVS SWG Agenda | SA4 EVS SWG Chairman | 7 |  |
| S4-191311 | Cumulative draft CR TS 26.501 | Editor (Ericsson LM) | 15.11 |  |
| S4-191312 | Draft CR 26.501 on Stage 2 for Media Session Establishment; Interactions with network assistance (Release 16) | KPN N.V., Qualcomm Incorporated | 8.6 |  |
| S4-191313 | Draft CR TS 26.501 on Stage 2 for Dynamic Policy based on Network Slicing (Release 16) | Qualcomm Incorporated | 15.11 |  |
| S4-191314 | CR 26.247-0163 rev 1 Support for Service Interactivity via Event Signaling and DASH APIs (Release 16) | Qualcomm Incorporated, Tencent | 15.2 |  |
| S4-191315 | Draft TS 26.117 5G Media Streaming (5GMS); Speech and audio profiles (Release 16), v0.5.0 | Rapporteur (Qualcomm Incorporated) | 15.12 |  |
| S4-191316 | Draft new WID on support of hybrid DASH/HLS over MBMS (DAHOE) | ENENSYS, Apple (UK) Limited et al | 19 | S4-191323 |
| S4-191317 | Time plan for new WID on support of hybrid DASH/HLS over MBMS | Rapporteur (Enensys) | 8.10, 19 | S4-191324 |
| S4-191318 | CR 26.346-0629 rev 1 Service Interactivity Support in DASH-over-MBMS Service Release 16) | Qualcomm Incorporated, Tencent | 15.2 |  |
| S4-191319 | Draft LS on PDU session modification feature in TS 23.502 Procedures for the 5G System (5GS); Stage 2 (To: TSG SA WG2) | TSG SA WG4 | 15.11 | S4-191331 |
| S4-191320 | Draft TR 26.985 Vehicle-to-everything (V2X); Media handling and interaction (Release 16), v. 0.9.5 + submit form | Rapporteur (Samsung Electronics Co., Ltd) | 17.1 | S4-191328 |
| S4-191321 | Report from SA4#106 EVS SWG meeting | EVS SWG Secretary (Mr. Stéphane Ragot) | 13.1 |  |
| S4-191322 | CR 26.444-0027 rev 3 EVS Non Bit Exact Float conformance (Release 16)  | Ericsson LM, Fraunhofer IIS, Intel, Apple (UK) Limited, Orange | 15.10 | S4-191325 |
| S4-191323 | Draft new WID on support of hybrid DASH/HLS over MBMS (DAHOE) | Enensys, Apple (UK) Limited, Ericsson LM, Qualcomm Incorporated, Telus, Samsung Electronics Co, Ltd | 19 |  |
| S4-191324 | Time plan for new WID on support of hybrid DASH/HLS over MBMS | Rapporteur (Enensys) | 19 |  |
| S4-191325 | CR 26.444-0027 rev 4 EVS Non Bit Exact Float conformance (Release 16) | Ericsson LM, Fraunhofer IIS, Intel, Apple (UK) Limited, Orange | 15.10 | S4-191326 |
| S4-191326 | CR 26.444-0027 rev 5 EVS Non Bit Exact Float conformance (Release 16) | Ericsson LM, Fraunhofer IIS, Intel, Apple (UK) Limited, Orange | 15.10 |  |
| S4-191327 | CR 26.114-0460 rev 5 Use of default EVS SID update (Release 16) | Orange, Intel | 15.15 |  |
| S4-191328 | Draft TR 26.985 Vehicle-to-everything (V2X); Media handling and interaction (Release 16), v. 0.9.6 + submit form | Rapporteur (Samsung Electronics Co., Ltd) | 17.1 |  |
| S4-191329 | LS on DASH-related matters (To: DASH-IF) | TSG SA WG4 | 17.5 |  |
| S4-191330 | Summary for work item "EVS Float Conformance for Non Bit-exact" | EVS\_FCNBE Rapporteur (Intel) | 15.10 |  |
| S4-191331 | LS on PDU session modification feature in TS 23.502 Procedures for the 5G System (5GS); Stage 2 (To: TSG SA WG2) | TSG SA WG4 | 15.11 |  |
| S4-191332 | New WID on Handsets Featuring Non-Traditional Earpieces (HaNTE) | Qualcomm Incorporated, Orange, Samsung Electronics Co., Ltd, Fraunhofer IIS | 19 |  |
| S4-191333 | CR 26.501-0003 Correction to architecture and procedures (Release 16)(to be produced at the MBS SWG ad-Hoc meeting in mid- November) | Qualcomm Incorporated, Ericsson LM, Enensys, Sony Europe B.V., KPN N.V. | 15.11 |  |
| S4-191334 | Draft TS 26.117 v. 0.9.0(to be produced at the MBS SWG ad-Hoc meeting in mid- November) | Editor (Qualcomm Incorporated) | 15.12 |  |
| S4-191335 | Draft TS 26.511 v. 0.9.0 (to be produced at the MBS SWG ad-Hoc meeting in mid- November) | Editor (Orange) | 15.12 |  |
| S4-191336 | Draft TS 26.139 RTP/RTCP Verification Procedures v. 0.9.0 MISSING(to be produced at the MTSI SWG Telco RTCPVer, 4th December 2019) | Editor (Ericsson LM) | 15.14 |  |
| S4-191337 | Draft Report of SA4#106 meeting, v. 0.0.1 | TSG-S4 Secretary | 4 |  |