|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tdoc | Title | Source(s) | Agenda Item(s) | Replaced by |
| S4-170241 | Draft Report of SA4#92 meeting, v. 0.0.1 | TSG-S4 Secretary | 4 |  |
| S4-170242 | Proposed meeting agenda for SA4#93 | SA4 Chairman | 2 |  |
| S4-170243 | Proposed meeting schedule for SA4#93 | SA4 Chairman | 2 | S4-170375 |
| S4-170244 | Brief report from SA#75 on SA4 matters | SA4 Chairman | 5.1 |  |
| S4-170245 | Draft Report of joint VIDEO-MTSI-SQ SWG ad-hoc conference call on FS\_VR (8th March 2017) | ORANGE | 5.2 | S4-170265 |
| S4-170246 | CR 26.204-0018 Correction to prevent undefined behaviour (Rel-14) | Nokia Corporation | 7.3, 14.7 |  |
| S4-170247 | Draft Report from SA4 SQ SWG conf. call (14th March 2017) | SA4 SQ SWG Chairman | 5.2 |  |
| S4-170248 | Report from SA4 MTSI SWG conf. call on LTE\_VoLTE\_ViLTE\_enh-S4 on 7 March 2017 | SA4 MTSI SWG Acting Secretary | 5.2 |  |
| S4-170249 | Reply LS to the progress of QoE Measurement Collection for Streaming | TSG CT WG1 | 5.3 |  |
| S4-170250 | Reply LS on RAN-Assisted Codec Adaptation | TSG CT WG3 | 5.3 |  |
| S4-170251 | Reply LS on security aspects of external xMB interface for TV services | TSG CT WG3 | 5.3 |  |
| S4-170252 | LS on xMB Interface for TV Services | TSG CT WG3 | 5.3 |  |
| S4-170253 | Reply to LS on Generic Test Profile for VoLTE/VoWIFI Terminal Audio Measurements | TSG CT WG6 | 5.3, 9.3 |  |
| S4-170254 | Reply LS to the progress of QoE Measurement Collection for Streaming | TSG RAN WG2 | 5.3 |  |
| S4-170255 | Reply LS on the progress of QoE Measurement Collection for Streaming | TSG RAN WG2 | 5.3 |  |
| S4-170256 | LS on the progress of QoE Measurement Collection for Streaming | TSG RAN WG2 | 5.3 |  |
| S4-170257 | Reply LS on RAN-Assisted Codec Adaptation | TSG RAN WG2 | 5.3 |  |
| S4-170258 | LS on eVoLP parameters | TSG SA WG2 | 5.3 |  |
| S4-170259 | Reply LS on external interface for TV services | TSG SA WG3 | 5.3 |  |
| S4-170260 | LS on IMS Profile for Voice and SMS for UE category M1 | GSMA NG RILTE | 5.4 |  |
| S4-170261 | LS on new working draft of the TTML Text and Image Profiles for Internet Media Subtitles and Captions [IMSC v. 1.0.1] | W3C Timed Text Working Group | 5.4 |  |
| S4-170262 | CR 26.223-0009 Update to Screen Content Coding Reference (Rel-14) | Qualcomm Incorporated | 11.4, 14.2 | S4-170470 |
| S4-170263 | eVoLP Robustness Index | Qualcomm Incorporated | 5.3 |  |
| S4-170264 | Draft Reply LS to SA2 RAN2 on eVoLP | Qualcomm Incorporated | 5.3 | S4-170428 |
| S4-170265 | Report of joint VIDEO-MTSI-SQ SWG ad-hoc conference call on FS\_VR (8th March 2017) | ORANGE | 5.2 |  |
| S4-170266 | LS on mission critical communication interworking security issues | TSG SA WG6 | 5.3 |  |
| S4-170267 | LS on FEC for mission critical services over MBMS | TSG SA WG6 | 5.3 |  |
| S4-170268 | LS reply on RAN-Assisted Codec Adaptation | TSG RAN WG2 | 5.3 |  |
| S4-170269 | Reply LS on eVoLP parameters | TSG RAN WG2 | 5.3 |  |
| S4-170270 | SWB P.835 databases for validation in DESUDAPS | Knowles Inc. | 9.6 |  |
| S4-170271 | DESUDAPS-4: P.835 training databases | Knowles Inc. | 9.6 | S4-170302 |
| S4-170272 | LS on New ETSI TS 103 281: Objective test method for prediction super-wideband and fullband speech quality in background noise | ETSI TC STQ | 5.4, 9.3 |  |
| S4-170273 | Non Monotonic POLQA results with decreasing SNR | Samsung R&D Institute UK | 9.8 |  |
| S4-170274 | CR 26.445-0030 Corrections to the Algorithmic Description (Rel-12) | Ericsson LM, Fraunhofer IIS, Huawei Technologies Co. Ltd, Nokia Corporation, NTT, NTT DOCOMO, INC., ORANGE, Panasonic Corporation, Qualcomm Incorporated, Samsung Electronics Co., Ltd., VoiceAge, ZTE Corporation | 7.3, 14.7 |  |
| S4-170275 | CR 26.445-0031 Corrections to the Algorithmic Description (Rel-13) | Ericsson LM, Fraunhofer IIS, Huawei Technologies Co. Ltd, Nokia Corporation, NTT, NTT DOCOMO, INC., ORANGE, Panasonic Corporation, Qualcomm Incorporated, Samsung Electronics Co., Ltd., VoiceAge, ZTE Corporation | 7.3, 14.7 |  |
| S4-170276 | CR 26.445-0032 Corrections to the Algorithmic Description (Rel-14) | Ericsson LM, Fraunhofer IIS, Huawei Technologies Co. Ltd, Nokia Corporation, NTT, NTT DOCOMO, INC., ORANGE, Panasonic Corporation, Qualcomm Incorporated, Samsung Electronics Co., Ltd., VoiceAge, ZTE Corporation | 7.3, 14.7 |  |
| S4-170277 | On the transport of SAND messages in 3GP-DASH | TNO | 8.7 |  |
| S4-170278 | SAND network assistance messages | Ericsson LM, Sony Mobile Communications | 8.7 |  |
| S4-170279 | Region of Interest (ROI) in Virtual Reality | TNO | 10.6 |  |
| S4-170280 | Draft New Study Item on network quality factors which impact the VR user experience | Huawei Technologies Co Ltd, HiSilicon, China Telecom | 19 | S4-170411 |
| S4-170281 | New Study Item on "Media Handling for 5G Systems" (5G\_Media) | Intel | 8.9, [19] | S4-170390 |
| S4-170282 | Discussion Paper on "Media Handling for 5G Systems" | Intel | 8.9, [19] | S4-170290 |
| S4-170283 | Results with EVS Float Standard | Intel, Fraunhofer IIS | 7.6 |  |
| S4-170284 | SAND: Updated Time Plan | Intel | 8.7 | S4-170451 |
| S4-170285 | Draft CR 26.247 SAND Support in 3GPP DASH | Intel, Ericsson LM, Sony Mobile Communications | 8.7 |  |
| S4-170286 | Draft CR 26.247 Normative Client and DANE Behaviors for SAND Message Handling | Intel | 8.7 |  |
| S4-170287 | Draft CR 26.247 Use of SAND for Proxy Caching | Intel | 8.7 |  |
| S4-170288 | Draft CR 26.247 Use of SAND for Consistent QoE/QoS | Intel | 8.7 | S4-170367 |
| S4-170289 | Draft Reply LS on RAN-Assisted Codec Adaptation (To: RAN2, CT3, Cc: RAN3, SA2, RAN) | Intel | 11.5 | S4-170427 |
| S4-170290 | Discussion Paper on "Media Handling for 5G Systems" (revision of S4-170282) | Intel | 8.9, [19] |  |
| S4-170291 | Draft CR 26.114 RAN-Assisted Codec Adaptation | Huawei Tech.(UK) Co., Ltd | 11.5 |  |
| S4-170292 | Draft CR on ATSC 3.0 service signaling description in the Clause 5.2.4 of TR26.917 | LG Electronics Co., Ltd., Qualcomm Incorporated | 8.8 |  |
| S4-170293 | Common Framework to Support Proxy Mode | Samsung Telecoms America | 8.6 |  |
| S4-170294 | CR 26.346-0576 CR on Delivery Method for enTV (Rel-14) | Samsung Telecoms America | 8.6 | S4-170388 |
| S4-170295 | CR 26.347-0001 API for enTV Service Access (Rel-14) | Samsung Telecoms America | 8.6 | S4-170393 |
| S4-170296 | Draft New Study Item on 5G Media Services | Samsung Telecoms America | 8.9, [19] | S4-170382 |
| S4-170297 | CR 26.346-0577 on TV enhancements Architecture (Rel-14) | Samsung Telecoms America | 8.5 | S4-170387 |
| S4-170298 | Considerations on VR System Aspects WITHDRAWN | Samsung Telecoms America | 10.6 |  |
| S4-170299 | CR 26.114-0406 Correction of IPv6 header size (Rel-14) | Samsung Electronics Co., Ltd | 11.4 | S4-170423 |
| S4-170300 | Draft New Study Item on lightweight eMBMS for IoT | Expway | 8.9, [19] | S4-170398 |
| S4-170301 | Discussion on MBMS for IoT | Expway | 8.9 |  |
| S4-170302 | DESUDAPS-4: P.835 training databases v. 0.3 (revision of S4-170271) | Knowles Inc. | 9.6 |  |
| S4-170303 | Draft Work Item Summary for DESUDAPS | DESUDAPS Rapporteur (Knowles Inc.) | 9.6 | S4-170440 |
| S4-170304 | Use Cases and Requirements for File-based Services over MBMS | Qualcomm Incorporated | 8.6 | S4-170395 |
| S4-170305 | File Delivery Manifest Parameters | Qualcomm Incorporated | 8.6 | S4-170408 |
| S4-170306 | CR 26.346-0578 File Delivery Manifest for xMB-U (Rel-14) | Qualcomm Incorporated | 8.6 | S4-170409 |
| S4-170307 | CR 26.346-0579 xMB Stage 2 Changes (Rel-14) | Qualcomm Incorporated | 8.6 |  |
| S4-170308 | CR 26.346-0580 Changes to Support Receive Only Mode Services (Rel-14) | Qualcomm Incorporated | 8.6 | S4-170394 |
| S4-170309 | EVS-CA Delay Requirements | Intel | 9.7 |  |
| S4-170310 | CR 26.447-0008 Corrections to the Algorithmic Description (Rel-12) | Ericsson LM, Fraunhofer IIS, Huawei Technologies Co. Ltd, Nokia Corporation, NTT, NTT DOCOMO, INC., ORANGE, Panasonic Corporation, Qualcomm Incorporated, Samsung Electronics Co., Ltd., VoiceAge, ZTE Corporation | 7.3, 14.7 |  |
| S4-170311 | CR 26.447-0009 Corrections to the Algorithmic Description (Rel-13) | Ericsson LM, Fraunhofer IIS, Huawei Technologies Co. Ltd, Nokia Corporation, NTT, NTT DOCOMO, INC., ORANGE, Panasonic Corporation, Qualcomm Incorporated, Samsung Electronics Co., Ltd., VoiceAge, ZTE Corporation | 7.3, 14.7 |  |
| S4-170312 | CR 26.447-0010 Corrections to the Algorithmic Description (Rel-14) | Ericsson LM, Fraunhofer IIS, Huawei Technologies Co. Ltd, Nokia Corporation, NTT, NTT DOCOMO, INC., ORANGE, Panasonic Corporation, Qualcomm Incorporated, Samsung Electronics Co., Ltd., VoiceAge, ZTE Corporation | 7.3, 14.7 |  |
| S4-170313 | CR 26.347-0002 TRAPI: Multiple Corrections (Release 14) | Qualcomm Incorporated | 8.5 | S4-170385 |
| S4-170314 | pCR 26.917: TV Enhancements: Editor's Proposed Updates to TR26.917 WITHDRAWN | Qualcomm Incorporated | 8.8 |  |
| S4-170315 | pCR 26.917: TV Enhancements: Proposed Updates based on 3GPP Progress WITHDRAWN | Qualcomm Incorporated | 8.8 |  |
| S4-170316 | pCR 26.917: TV Enhancements: Architecture Updates WITHDRAWN | Qualcomm Incorporated | 8.8 |  |
| S4-170317 | pCR 26.917: TV Enhancements: DVB-based Transport-only mode WITHDRAWN | Qualcomm Incorporated | 8.8 |  |
| S4-170318 | pCR 26.917: TV Enhancements: Completing Gap Analysis WITHDRAWN | Qualcomm Incorporated | 8.8 |  |
| S4-170319 | pCR 26.917: TV Enhancements: Proposed Conclusions WITHDRAWN | Qualcomm Incorporated | 8.8 |  |
| S4-170320 | pCR 26.917: TV Enhancements: TV Service APIs WITHDRAWN | Qualcomm Incorporated | 8.8 |  |
| S4-170321 | Draft CR TS 26.346: AE\_enTV-S4: Transport-only Mode in TS 26.346 | Qualcomm Incorporated | 8.6 |  |
| S4-170322 | Draft CR TS 26.347: AE\_enTV-S4: Service APIs for TS 26.347 | Qualcomm Incorporated | 8.6 |  |
| S4-170323 | CR 26.949-0004 TEI14: Updates to TR26.949 (Rel-14) | Qualcomm Incorporated | 10.4 | S4-170414 |
| S4-170324 | pCR 26.918: FS\_VR: OMAF Progress | Qualcomm Incorporated | 10.6 |  |
| S4-170325 | pCR 26.918: FS\_VR: Candidate Profiles for Service-Provider Centric Use Cases based on OMAF | Qualcomm Incorporated | 10.6 |  |
| S4-170326 | Introducing Immersive Media to 3GPP Services WITHDRAWN | Samsung Electronics Co., Ltd | 10.7 |  |
| S4-170327 | Draft New WID on Immersive Media Handling and Interaction WITHDRAWN | Samsung Electronics Co., Ltd | 10.7 |  |
| S4-170328 | Introducing Immersive Media to 3GPP Services  | Samsung Electronics Co., Ltd | 10.7 |  |
| S4-170329 | Draft New WID on Immersive Media Handling and Interaction | Samsung Electronics Co., Ltd | 10.7 | S4-170412 |
| S4-170330 | New Study Item on V2X Media Handling and Interaction | Samsung Electronics Co., Ltd | 8.9 |  |
| S4-170331 | Discussion paper FEC for MC service | Expway | 8.9 |  |
| S4-170332 | Considerations on quality assessment and quality assurance of VR audio | Fraunhofer IIS | 10.6 |  |
| S4-170333 | VR Communication | Ericsson LM | 10.6 |  |
| S4-170334 | Draft CR 26.114 on RAN bitrate recommendation (revision of S4-170218) | Ericsson LM, Intel | 11.5 | S4-170429 |
| S4-170335 | Considerations on VR quality of experience | Ericsson LM | 10.6 |  |
| S4-170336 | Use Case In-game Communication | Ericsson LM | 10.6 | S4-170415 |
| S4-170337 | Draft CR 26.247 on Correction for QoE Device Information | Ericsson LM | 8.5 |  |
| S4-170338 | Draft CR 26.247 on Correction for QoE Geographical Configuration | Ericsson LM | 8.5 |  |
| S4-170339 | Draft CR 26.247 on Correction for QoE Measurement Collection | Ericsson LM | 8.5 | S4-170401 |
| S4-170340 | Draft CR 26.247 on Correction for QoE Session Configuration | Ericsson LM | 8.5 |  |
| S4-170341 | Draft CR 26.247 on Correction for QoE Streaming Source Filtering | Ericsson LM | 8.5 |  |
| S4-170342 | QoE Geographical filtering | Ericsson LM | 8.5 |  |
| S4-170343 | QoE Streaming Source Filtering | Ericsson LM | 8.5 |  |
| S4-170344 | Draft WID Enhanced QoE Reporting for MTSI | Ericsson LM | 11.7 | S4-170426 |
| S4-170345 | Discussion of the Transport-only Delivery Method for TV Services Delivery over MBMS | Ericsson LM | 8.6 |  |
| S4-170346 | CR 26.346-0581 Support for Local MBMS Deployments e.g. for V2X (Rel-14) | Ericsson LM | 8.5 | S4-170407 |
| S4-170347 | Report of MBS SWG ad-hoc #80 on AE\_enTV-S4 (7 March 2017) | SA4 MBS SWG Chairman | 5.2 |  |
| S4-170348 | Report of MBS SWG ad-hoc #81 on SAND (28 March 2017) | SA4 MBS SWG Chairman | 5.2 |  |
| S4-170349 | Report of MBS SWG ad-hoc #82 on AE\_enTV-S4 (13 April 2017) | SA4 MBS SWG Chairman | 5.2 |  |
| S4-170350 | LS on QoE Measurement Collection for streaming | TSG RAN WG2 | 5.3 |  |
| S4-170351 | FEC for Mission Critical Applications | Motorola Solutions Germany | 5.3 |  |
| S4-170352 | Time plan for AE\_enTV-S4 WITHDRAWN | Samsung Telecoms America | 8.6 |  |
| S4-170353 | CR 26.131-0072 Corrections to fix wrong or missing references and inconsistent formatting (Rel-13) | ORANGE | 9.4, 14.7 |  |
| S4-170354 | CR 26.132-0092 Clarification of note on DTX control in uplink (Rel-13) | ORANGE | 9.4 | S4-170377 |
| S4-170355 | CR 26.131-0073 Extension of UE Delay Requirements (Rel-14) | ORANGE | 9.7 | S4-170434 |
| S4-170356 | CR 26.132-0093 Extension of UE Delay Test Methods (Rel-14) | ORANGE | 9.7 | S4-170435 |
| S4-170357 | Draft CR Proposed additional changes to TS 26.131 for EXT\_UED | ORANGE | 9.7 | S4-170380 |
| S4-170358 | Draft CR Proposed additional changes to TS 26.132 for EXT\_UED | ORANGE | 9.7 | S4-170436 |
| S4-170359 | Subjective tests on Video Formats for VR | ORANGE | 10.6 |  |
| S4-170360 | CR 26.347-0003 Clarifications to DNS resolution in TRAPI (Rel-14) | Samsung Telecoms America | 8.5 | S4-170453 |
| S4-170361 | CR 26.233-0013 SAND Support in PSS (Rel-15) | Intel | 8.7 | S4-170404 |
| S4-170362 | Draft CR to TS 26.132 - Addition of SWB and FB noise suppression test methods | Qualcomm Incorporated, Knowles Inc., HEAD Acoustics GmbH | 9.6 | S4-170378 |
| S4-170363 | Draft CR to TS 26.131 - Addition of SWB and FB noise suppression performance objectives | Qualcomm Incorporated, Knowles Inc., HEAD Acoustics GmbH | 9.6 | S4-170379 |
| S4-170364 | pCR TR 26.918 - Report of one ITU-R BS.1534-3 binaural listening test for localization quality of scene-based synthetic audio content with non-individualized HRTF and non-equalized headphones | Qualcomm Incorporated | 10.6 | S4-170417 |
| S4-170365 | pCR to TR 26.918 - Report of one ITU-R BS.1534-3 binaural listening test for basic audio quality of encoded scene-based audio content with non-individualized HRTF and non equalized headphones | QUALCOMM UK Ltd | 10.6 | S4-170418 |
| S4-170366 | sections on object audio WITHDRAWN | Dolby Laboratories Inc. | 10.6 |  |
| S4-170367 | Draft CR 26.247 Use of SAND for Consistent QoE/QoS (revision of S4-170288) | Intel | 8.7 | S4-170403 |
| S4-170368 | pCR to TR 26.954 v1.1.0 | Qualcomm Incorporated | 9.7 | S4-170447 |
| S4-170369 | On motion to sound latency WITHDRAWN | Qualcomm Incorporated | 10.6 |  |
| S4-170370 | DESUDAPS - Usage of the new SWB/FB P.835 predictor specification from ETSI | Sony Mobile Communications | 9.6 |  |
| S4-170371 | LS on Status of audio test cases 7.11 and 8.11 (TS26.132) | GCF CAG | 5.4, 9.3 |  |
| S4-170372 | Agreements on Testing Considerations | Qualcomm Incorporated, Nokia, ORANGE | 10.6 | S4-170419 |
| S4-170373 | Reply LS on Clarification on Rel-14 MMCMH\_Enh features | TSG CT WG4 | 5.3 |  |
| S4-170374 | LS on the new structure of ITU-T SG20 | ITU-T SG20 | 5.4 |  |
| S4-170375 | Proposed meeting schedule for SA4#93 | SA4 Chairman | 2 |  |
| S4-170376 | Reply LS on Status of audio test cases 7.11 and 8.11 (TS26.132) (To: GCF CAG) | TSG SA WG4 | 9.3, 12 |  |
| S4-170377 | CR 26.132-0092 rev 1 Clarification of note on DTX control in uplink (Rel-13) | ORANGE | 9.4, 14.7 |  |
| S4-170378 | Draft CR to TS 26.132 - Addition of SWB and FB noise suppression test methods (revision of S4-170362) | Qualcomm Incorporated, Knowles Inc., HEAD Acoustics GmbH | 9.6 |  |
| S4-170379 | Draft CR to TS 26.131 - Addition of SWB and FB noise suppression performance objectives (revision of S4-170363) | Qualcomm Incorporated, Knowles Inc., HEAD Acoustics GmbH | 9.6 |  |
| S4-170380 | Draft CR Proposed additional changes to TS 26.131 for EXT\_UED | ORANGE | 9.7 |  |
| S4-170381 | Report of MBS SWG at SA4#93 | SA4 MBS SWG Chairman | 13.2 |  |
| S4-170382 | Draft New Study Item on 5G Media Services | Samsung Telecoms America | 8.9, [19] | S4-170397 |
| S4-170383 | CR 26.247-0095 Correction for QoE Session Configuration (Rel-14) | Ericsson LM | 8.5, 14.3 |  |
| S4-170384 | CR 26.247-0096 Correction for QoE Device Information (Rel-14) | Ericsson LM | 8.5, 14.3 |  |
| S4-170385 | CR 26.347-0002 rev 1 TRAPI: Multiple Corrections (Release 14) | Qualcomm Incorporated | 8.5 | S4-170455 |
| S4-170386 | LS on xMB Interface for TV Services (To: CT3) | TSG SA WG4 | 8.3 | S4-170457 |
| S4-170387 | CR 26.346-0577 rev 1 on TV enhancements Architecture (Rel-14) | Samsung Electronics Co., Ltd | 8.5, 14.6 | S4-170500 |
| S4-170388 | CR 26.346-0576 rev 1 CR on Delivery Method for enTV (Rel-14) | Samsung Electronics Co., Ltd, Qualcomm Incorporated | 8.6, 15.4 | S4-170503 |
| S4-170389 | CR 26.247-0097 Correction for QoE Geographical and Source Filtering (Rel-14) | Ericsson LM | 8.5, 14.3 |  |
| S4-170390 | Draft New Study Item on "Media Handling for 5G Systems" | Intel, LG Electronics Inc., Huawei Technologies Co Ltd | 8.9, [19] | S4-170396 |
| S4-170391 | Draft New Study Item on FEC for MC Services | Motorola Solutions | 8.9 | S4-170392 |
| S4-170392 | Draft New Study Item on FEC for MC Services | Motorola Solutions | 8.9 | S4-170459 |
| S4-170393 | CR 26.347-0001 rev 1 API for enTV Service Access (Rel-14) | Samsung Electronics Co., Ltd, Qualcomm Incorporated | 8.6 | S4-170463 |
| S4-170394 | CR 26.346-0580 rev 1 Changes to Support Receive Only Mode Services (Rel-14) | Qualcomm Incorporated | 8.6 | S4-170458 |
| S4-170395 | Use Cases and Requirements for File-based Services over MBMS (revision of S4-170304) | Qualcomm Incorporated | 8.6 |  |
| S4-170396 | Draft New Study Item on "Media Handling Aspects of Conversational Services infor 5G Systems" | Intel, LG Electronics Inc., Huawei Technologies Co Ltd | 8.9, [19] | S4-170444 |
| S4-170397 | New SID on 5G enhanced Mobile Broadband Media Services | Samsung Electronics Co., Ltd., Qualcomm Incorporated, Enensys, KPN, TNO | 8.9, [19] | S4-170460 |
| S4-170398 | New Study Item on MBMS for IoT | Expway, Qualcomm Incorporated, LG technology Inc, Enensys | 8.9, [19] | S4-170461 |
| S4-170399 | [DRAFT] Reply LS on the progress of QoE Measurement Collection for Streaming (To: RAN2, Cc: RAN3, SA5, CT1) | TSG SA WG4 | 8.3 | S4-170452 |
| S4-170400 | Reply LS on FEC for MC services over MBMS (To: SA6) | TSG SA WG4 | 8.3, 5.3, 12 | S4-170499 |
| S4-170401 | CR 26.247-0098 Correction for QoE Measurement Collection (Rel-14) | Ericsson LM | 8.5 | S4-170454 |
| S4-170402 | CR 26.247-0099 SAND Support in 3GPP DASH (Rel-15) POSTPONED | Intel, Ericsson LM, Sony Mobile Communications | 8.7, 16.1 |  |
| S4-170403 | Draft CR 26.247 Use of SAND for Consistent QoE/QoS (revision of S4-170367) | Intel | 8.7 |  |
| S4-170404 | CR 26.233-0013 rev 1 SAND Support in PSS (Rel-15) | Intel | 8.7, 16.1 |  |
| S4-170405 | FS\_USE\_3GPP\_4\_TV: TV Schedule, v. 0.4 | Qualcomm Incorporated (Rapporteur) | 8.8 | S4-170465 |
| S4-170406 | Draft TR 26.917 on "MBMS/PSS Enhancements to Support Television Services (Release 15)" v. 1.2.0 | Qualcomm Incorporated (Rapporteur) | 17.2 |  |
| S4-170407 | CR 26.346-0581 rev 1 User Plane Ingest for Transport Mode Only (Rel-14) | Ericsson LM | 8.5 | S4-170410 |
| S4-170408 | File Delivery Manifest Parameters (revision of S4-170305) | Qualcomm Incorporated | 8.6 |  |
| S4-170409 | CR 26.346-0578 rev 1 File Delivery Manifest for xMB-U (Rel-14) | Qualcomm Incorporated | 8.6, 15.4 | S4-170467 |
| S4-170410 | CR 26.346-0581 rev 2 User Plane Ingest for Transport Mode Only (Rel-14) | Ericsson LM | 8.5, 14.6 |  |
| S4-170411 | Draft New Study Item on network quality factors which impact the VR user experience | Huawei Technologies Co Ltd, HiSilicon, China Telecom | 19 | S4-170487 |
| S4-170412 | Draft New WID on Framework for Live Uplink Streaming (revision of S4-170329) | Samsung Electronics Co., Ltd., SK Telecom, Intel | 19 | S4-170469 |
| S4-170413 | TR 26.918 v0.6.0 | Editor (ORANGE) | 17.4 | S4-170494 |
| S4-170414 | CR 26.949-0004 rev 1 TEI14: Updates to TR26.949 (Rel-14) | Qualcomm Incorporated | 10.4, 14.7 | S4-170493 |
| S4-170415 | Use Case In-game Communication (revision of S4-170336) | Ericsson LM | 10.6, 17.4 |  |
| S4-170416 | FS\_VR: Gap Analysis, Recommended Objectives, and Candidate Solutions for VR Services (revision of S4-170437) | Ericsson LM | 17.4 |  |
| S4-170417 | pCR TR 26.918 - Report of one ITU-R BS.1534-3 binaural listening test for localization quality of scene-based synthetic audio content with non-individualized HRTF and non-equalized headphones (revision of S4-170364) | Qualcomm Incorporated | 10.6, 17.4 |  |
| S4-170418 | pCR to TR 26.918 - Report of one ITU-R BS.1534-3 binaural listening test for basic audio quality of encoded scene-based audio content with non-individualized HRTF and non equalized headphones (revision of S4-170365) | Qualcomm Incorporated | 10.6, 17.4 |  |
| S4-170419 | Agreements on Testing Considerations (revision of S4-170372) | Qualcomm Incorporated, Nokia, ORANGE | 10.6 |  |
| S4-170420 | FS\_VR Timeplan v0.6 | Rapporteur (ORANGE) | 17.4 | S4-170495 |
| S4-170421 | CR 26.114-409 Clarification on Thumbnail Handling (Rel-14) | Ericsson LM | 14.4 | S4-170492 |
| S4-170422 | Draft Reply LS on Clarification on Rel-14 MMCMH\_Enh features (To: CT4) | TSG SA WG4 | 5.3, 12 | S4-170501 |
| S4-170423 | CR 26.114-0406 rev 1 Correction of IPv6 header size (Rel-14) POSTPONED | Samsung Electronics Co., Ltd | 11.4, 14.7 |  |
| S4-170424 | CR 26.114-0407 Correction of IPv6 header size (Rel-13) POSTPONED | Samsung Electronics Co., Ltd | 11.4, 14.7 |  |
| S4-170425 | CR 26.114-0408 Correction of IPv6 header size (Rel-12) POSTPONED | Samsung Electronics Co., Ltd | 11.4, 14.7 |  |
| S4-170426 | Draft (New) WID Enhanced QoE Reporting for MTSI | Ericsson LM, Huawei, Deutsche Telekom AG | 11.5, 19 | S4-170474 |
| S4-170427 | Reply LS on RAN-Assisted Codec Adaptation (To: RAN2, CT3, Cc: RAN3, SA2, RAN) | Intel | 11.5 | S4-170430 |
| S4-170428 | LS on eVOLP parameters (To: SA2, RAN2, Cc: RAN3) | TSG SA WG4 | 11.3, 12 | S4-170502 |
| S4-170429 | Draft CR 26.114 on RAN bitrate recommendation (revision of S4-170334) | Ericsson LM, Intel | 11.5 | S4-170446 |
| S4-170430 | Reply LS on RAN-Assisted Codec Adaptation (To: RAN2, CT3, Cc: RAN3, SA2, RAN) | Intel | 5.3, 11.5 |  |
| S4-170431 | Liaison Response on ISO/IEC 23009-1 DASH Metrics POSTPONED | ISO/IEC JTC1/SC29/WG11 (MPEG) | 12 |  |
| S4-170432 | Liaison Statement to 3GPP TSG SA4 on OMAF | ISO/IEC JTC1/SC29/WG11 (MPEG) | 12 |  |
| S4-170433 | Liaison Statement on Common Media Application Format (CMAF) | ISO/IEC JTC1/SC29/WG11 (MPEG) | 12 |  |
| S4-170434 | CR 26.131-0073 rev 1 Extension of UE Delay Requirements (Rel-14) | ORANGE | 9.7, 15.3 | S4-170484 |
| S4-170435 | CR 26.132-0093 rev 1 Extension of UE Delay Test Methods (Rel-14) | ORANGE | 9.7, 15.3 | S4-170485 |
| S4-170436 | Draft CR Proposed additional changes to TS 26.132 for EXT\_UED | ORANGE | 9.7 |  |
| S4-170437 | FS\_VR: Gap Analysis, Recommended Objectives, and Candidate Solutions for VR Services | Ericsson LM | 10.6 | S4-170416 |
| S4-170438 | CR 26.131-0074 Addition of SWB and FB noise suppression performance objectives (Rel-14) | Qualcomm Incorporated | 15.1 | S4-170479 |
| S4-170439 | CR 26.132-0094 Addition of SWB and FB noise suppression test methods (Rel-14) | Qualcomm Incorporated | 15.1 | S4-170480 |
| S4-170440 | Work Item Summary for DESUDAPS | DESUDAPS Rapporteurs | 9.6, 15.1 |  |
| S4-170441 | DESUDAPS-3 Time Plan of DESUDAPS work item, v. 1.0 | Rapporteurs (Qualcomm, Incorporated, Knowles Inc.) | 15.1 | S4-170481 |
| S4-170442 | Draft LS on Use of ETSI TS 103 281 (To: ETSI TC STQ) | TSG SA WG4 | 9.6, 15.1 | S4-170482 |
| S4-170443 | Work Item Summary for EXT\_UED | EXT\_UED Rapporteur | 9.7, 15.3 |  |
| S4-170444 | New Study Item on "Media Handling Aspects of Conversational Services in 5G Systems" | Intel, LG Electronics Inc., Huawei Technologies Co Ltd | 19 | S4-170475 |
| S4-170445 | New WID on EVS Float Conformance Non Bit Exact | Intel, Huawei Technologies Co. Ltd, HEAD Acoustics, Fraunhofer IIS | 19 | S4-170477 |
| S4-170446 | CR 26.114-0410 on RAN bitrate recommendation (Rel-14) | Ericsson LM, Intel | 11.5 | S4-170450 |
| S4-170447 | pCR to TR 26.954 v1.1.0 (update of S4-170368) | Qualcomm Incorporated | 9.7 |  |
| S4-170448 | Draft TR 26.954 Test plan for speech quality and delay through a headset electrical interface, v. 1.2.0 | Editor (Qualcomm Incorporated) | 15.3 |  |
| S4-170449 | Time plan for EXT\_UED Work Item, v. 0.5.0 | Rapporteur (ORANGE) | 9.7, 15.3 |  |
| S4-170450 | CR 26.114-0410 rev 1 on RAN bitrate recommendation (Rel-14) | Ericsson LM, Intel | 11.5, 15.2 |  |
| S4-170451 | SAND: Updated Time Plan | Rapporteur (Intel) | 8.7, 16.1 |  |
| S4-170452 | [DRAFT] Reply LS on the progress of QoE Measurement Collection for Streaming (To: RAN2, Cc: RAN3, SA5, CT1) | TSG SA WG4 | 5.3,12 |  |
| S4-170453 | CR 26.347-0003 rev 1 Clarifications to DNS resolution in TRAPI (Rel-14) | Samsung Electronics Ltd., Co. | 8.5, 14.1 | S4-170497 |
| S4-170454 | CR 26.247-0098 rev 1 on Correction for QoE Measurement Collection (Rel-14) | Ericsson LM | 8.5, 14.3 |  |
| S4-170455 | CR 26.347-0002 rev 2 TRAPI: Multiple Corrections (Release 14) | Qualcomm Incorporated | 8.5, 14.1 | S4-170496 |
| S4-170456 | [DRAFT] LS on QMC session measurements (To: RAN2, Cc: RAN3, SA5, CT1) | TSG SA WG4 | 14.3 | S4-170462 |
| S4-170457 | Draft LS on xMB Interface for TV Services (To: CT3) | TSG SA WG4 | 5.3, 12 | S4-170498 |
| S4-170458 | CR 26.346-0580 rev 2 Changes to Support Receive Only Mode Services (Rel-14) | Qualcomm Incorporated | 8.6, 15.4 |  |
| S4-170459 | Draft New Study Item on FEC for MC Services | Motorola Solutions | 19 | S4-170464 |
| S4-170460 | Draft New SID on 5G enhanced Mobile Broadband Media Services | Samsung Electronics Co., Ltd., Qualcomm Incorporated, Enensys, KPN, TNO, LG Electronics, Inc. | 19 | S4-170468 |
| S4-170461 | New Study Item on MBMS for IoT | Expway, Qualcomm Incorporated, LG Electronics Inc., Enensys | 19 | S4-170476 |
| S4-170462 | [DRAFT] LS on QMC session measurements (To: RAN2, Cc: RAN3, SA5, CT1) | TSG SA WG4 | 12, 14.3 |  |
| S4-170463 | CR 26.347-0001 rev 2 Transport API (Rel-14) | Samsung Electronics Ltd., Co., Qualcomm Incorporated | 8.6, 15.4 | S4-170507 |
| S4-170464 | Draft New Study Item on FEC for MC Services | Motorola Solutions | 19 | S4-170478 |
| S4-170465 | FS\_USE\_3GPP\_4\_TV: TV Schedule, v. 0.5 | Rapporteur | 17.2 | S4-170506 |
| S4-170466 | Summary for work item LTE\_VoLTE\_ViLTE\_enh-S4 "RAN-Assisted Codec Adaptation in MTSI" | Intel (LTE\_VoLTE\_ViLTE\_enh-S4 Rapporteur) | 15.2 |  |
| S4-170467 | CR 26.346-0578 rev 2 File Delivery Manifest for xMB-U (Rel-14) | Qualcomm Incorporated | 15.4 | S4-170504 |
| S4-170468 | New SID on 5G enhanced Mobile Broadband Media Distribution | Samsung Electronics Co., Ltd., Qualcomm Incorporated, Enensys, KPN, TNO, LG Electronics, Inc. | 19 |  |
| S4-170469 | New WID on Framework for Live Uplink Streaming (revision of S4-170412) | Samsung Electronics Co., Ltd., SK Telecom, Intel | 19 |  |
| S4-170470 | CR 26.223-0009 rev 1 Update to Screen Content Coding Reference (Rel-14) | Qualcomm Incorporated | 14.2 |  |
| S4-170471 | MTSI SWG meeting report at SA4#93 | Acting MTSI SWG Secretary | 13.3 |  |
| S4-170472 | VIDEO SWG Report during SA4#93 | Video SWG Chairman | 13.5 |  |
| S4-170473 | Report from SA4#93 EVS SWG meeting | Acting EVS SWG Secretary | 13.1 |  |
| S4-170474 | (New) WID Enhanced QoE Reporting for MTSI | Ericsson LM, Huawei, Deutsche Telekom AG | 19 |  |
| S4-170475 | Draft New Study Item on "Media Handling Aspects of Conversational Services in 5G Systems" | Intel, LG Electronics Inc., Huawei Technologies Co Ltd | 19 | S4-170488 |
| S4-170476 | New Study Item on MBMS for IoT | Expway, Qualcomm Incorporated, LG Electronics Inc., Enensys | 19 |  |
| S4-170477 | New WID on EVS Float Conformance Non Bit Exact POSTPONED | Intel, Huawei Technologies Co. Ltd, HEAD Acoustics, Fraunhofer IIS | 19 |  |
| S4-170478 | Draft New Study Item on FEC for MC Services | Motorola Solutions | 19 | S4-170489 |
| S4-170479 | CR 26.131-0074 rev 1 Addition of SWB and FB noise suppression performance objectives (Rel-14) | Qualcomm Incorporated | 15.1 |  |
| S4-170480 | CR 26.132-0094 rev 1 Addition of SWB and FB noise suppression test methods (Rel-14) | Qualcomm Incorporated | 15.1 | S4-170483 |
| S4-170481 | DESUDAPS-3 Time Plan of DESUDAPS work item, v. 1.0 | Editors (Qualcomm, Incorporated, Knowles Inc.) | 15.1 |  |
| S4-170482 | LS on Use of ETSI TS 103 281 (To: ETSI TC STQ) | TSG SA WG4 | 15.1 |  |
| S4-170483 | CR 26.132-0094 rev 2 Addition of SWB and FB noise suppression test methods (Rel-14) | Qualcomm Incorporated | 15.1 |  |
| S4-170484 | CR 26.131-0073 rev 2 Extension of UE Delay Requirements (Rel-14) | ORANGE | 15.3 | S4-170486 |
| S4-170485 | CR 26.132-0093 rev 2 Extension of UE Delay Test Methods (Rel-14) | ORANGE | 15.3 |  |
| S4-170486 | CR 26.131-0073 rev 2 Extension of UE Delay Requirements (Rel-14) | ORANGE | 15.3 |  |
| S4-170487 | Draft New Study Item on network aspects of QoE relevant to VR user experience | Huawei Technologies Co Ltd, HiSilicon, China Telecom | 19 | S4-170490 |
| S4-170488 | New Study Item on "Media Handling Aspects of Conversational Services in 5G Systems" | Intel, LG Electronics Inc., Huawei Technologies Co Ltd | 19 |  |
| S4-170489 | New Study Item on FEC for MC Services | Motorola Solutions | 19 |  |
| S4-170490 | New Study Item on network aspects of QoE relevant to VR user experience POSTPONED | Huawei Technologies Co Ltd, HiSilicon, China Telecom | 19 |  |
| S4-170491 | Reply LS on QoE Measurement Collection for streaming (To: RAN2, Cc: RAN3) | TSG SA WG4 | 5.3 |  |
| S4-170492 | CR 26.114-409 rev 1 Clarification on Thumbnail Handling (Rel-14) | Ericsson LM | 14.4 |  |
| S4-170493 | CR 26.949-0004 rev 2 Addition of DVB UHD-1 phase 2 (Rel-14) | Qualcomm Incorporated | 14.7 |  |
| S4-170494 | TR 26.918 v0.7.0 | Editor (ORANGE) | 17.4 |  |
| S4-170495 | FS\_VR Timeplan v0.7 | Rapporteur (ORANGE) | 17.4 |  |
| S4-170496 | CR 26.347-0002 rev 3 TRAPI: Multiple Corrections (Release 14) | Qualcomm Incorporated | 14.1 |  |
| S4-170497 | CR 26.347-0003 rev 2 Clarifications to DNS resolution in TRAPI (Rel-14) POSTPONED | Samsung Electronics Ltd., Co. | 14.1 |  |
| S4-170498 | LS on xMB Interface for TV Services (To: CT3) | TSG SA WG4 | 5.3, 12 | S4-170508 |
| S4-170499 | Reply LS on FEC for MC services over MBMS (To: SA6) | TSG SA WG4 | 5.3, 12 |  |
| S4-170500 | CR 26.346-0577 rev 2 on TV enhancements Architecture (Rel-14) | Samsung Electronics Co., Ltd | 14.6 | S4-170505 |
| S4-170501 | Reply LS on Clarification on Rel‑14 MMCMH\_Enh features (To: CT4) | TSG SA WG4 | 5.3, 12 |  |
| S4-170502 | LS on eVOLP parameters (To: SA2, RAN2, Cc: RAN3) | TSG SA WG4 | 5.3, 12 |  |
| S4-170503 | CR 26.346-0576 rev 2 Transparent Delivery Method (Rel-14) | Samsung Telecoms America | 15.4 |  |
| S4-170504 | CR 26.346-0578 rev 3 File Delivery Manifest for xMB-U (Rel-14) | Qualcomm Incorporated | 15.4 |  |
| S4-170505 | CR 26.346-0577 rev 3 on TV enhancements Architecture (Rel-14) | Samsung Electronics Co., Ltd | 14.6 |  |
| S4-170506 | FS\_USE\_3GPP\_4\_TV: TV Schedule, v. 0.6 | Rapporteur | 17.2 |  |
| S4-170507 | CR 26.347-0001 rev 3 Service API for transparent user service (Rel-14) | Samsung Electronics Co., Ltd, Qualcomm Incorporated | 15.4 |  |
| S4-170508 | LS on xMB Interface for TV Services (To: CT3) | TSG SA WG4 | 5.3, 12 |  |
| S4-170509 | Draft Report of SA4#93 meeting, v. 0.0.1 | TSG-S4 Secretary |  |  |