**Third Generation Partnership Project (3GPP™)**

**DRAFT Meeting Report  
for  
TSG SA WG4  
meeting: e**

**Online, E-meeting, 17/08/2022 to 26/08/2022**

Report generated on Friday, 2022-08-26 17:31 UTC

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## 1 Opening of the e-meeting: Wednesday 11th May, at 01:00 hours CEST

The SA4 Chairman, officially declared the opening of TSG SA WG 120-e electronic meeting on 17th Aug 2022 at 09:00 hrs CEST over 3GPP SA4 email reflector and the opening plenary was held on the same day from 15:00 hrs CEST over GoToMeeting (official tool for 3GPP e-meetings). This meeting was converted to an online meeting from the previously decided SA4 Face to Face meeting due to the lingering COVID 19 crisis worldwide.

During this meeting, the following official positions were held as:

TSG SA WG4 Chairman: Mr. Frederic Gabin (Dolby Laboratories Inc, ETSI)

TSG SA WG4 Vice Chairman: Mr. Gilles Teniou (Tencent, CCSA)

TSG SA WG4 Vice Chairman: Ms. Jaeyeon Song (Samsung Electronics, TTA)

TSG SA WG4 Secretary: Ms. Jayeeta Saha (3GPP MCC)

170 delegates representing various 3GPP IMs participated in this meeting and 300+ documents were treated during the meeting.

## 2 Approval of the agenda and registration of documents

**S4-220901 Draft Agenda for SA4#120-e**

*Type: agenda For: Approval  
 Source: 3GPP MCC*

**Decision:** The document was **revised to S4-221000**.

**S4-220992 Guidelines for 3GPP SA4#120-e as Electronic Meeting**

*Type: other For: Information  
 Source: SA4 Chair*

**Decision:** The document was **noted**.

**S4-221000 Draft Agenda for SA4#120-e**

*Type: agenda For: Approval  
 Source: SA4 Chair*

(Replaces S4-220901)

**Decision:** The document was **revised to S4-221098**.

**S4-221098 Draft Agenda for SA4#120-e**

*Type: agenda For: Approval  
 Source: 3GPP SA4 Chair*

(Replaces S4-221000)

**Decision:** The document was **approved**.

## 3 IPR and antitrust reminder

**IPR Declaration:**

The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were asked to take note that they were thereby invited to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.

to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms. The attention of the delegates to the meeting was drawn to the fact that 3GPP activities were subject to all applicable antitrust and competition laws and that compliance with said laws was therefore required by any participant of the meeting, including the Chairman and Vice-Chairmen and were invited to seek any clarification needed with their legal counsel. The leadership would conduct the present meeting with impartiality and in the interests of 3GPP. Delegates were reminded that timely submission of work items in advance of TSG/WG meetings was important to allow for full and fair consideration of such matters.

Based on <http://www.3gpp.org/3gpp-calendar/89-call-for-ipr-meetings>

Antitrust Compliance:

The attention of the delegates to the meeting is drawn to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required by any participant of the meeting, including the Chairman and Vice-Chairmen and are invited to seek any clarification needed with their legal counsel. The leadership would conduct the present meeting with impartiality and in the interests of 3GPP. Delegates are reminded that timely submission of work items in advance of TSG/WG meetings is important to allow for full and fair consideration of such matters.

The above is based on the information given at: <http://www.3gpp.org/about-3gpp/legal-matters/21-3gpp-calendar/1616-statement-of-antitrust-compliance>

## 4 Approval of previous meeting report

**S4-220902 Previous Meeting Report by MCC**

*Type: report For: Approval  
 Source: 3GPP MCC*

**Decision:** The document was **revised to S4-221096**.

**S4-221096 Previous Meeting Report by MCC**

*Type: report For: Approval  
 Source: 3GPP MCC*

(Replaces S4-220902)

**Decision:** The document was **revised to S4-221100**.

**S4-221100 Previous Meeting Report by MCC**

*Type: report For: Approval  
 Source: 3GPP MCC*

(Replaces S4-221096)

**Decision:** The document was **approved**.

## 5 Reports/Liaisons from other groups/meetings

### 5.1 SA4 SWG ad hoc meetings

**S4-220922 Report for SA4 RTC SWG 13 July 2022 Teleconference**

*Type: report For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **approved**.

**S4-220923 Report for SA4 RTC SWG 27 July 2022 Teleconference**

*Type: report For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **approved**.

**S4-220924 Report for SA4 RTC SWG 3 August 2022 Teleconference**

*Type: report For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **approved**.

**S4-220931 Meeting Report 3GPP SA4 MBS SWG Telco (August 4, 2022)**

*Type: report For: Approval  
 Source: Qualcomm CDMA Technologies*

**Decision:** The document was **approved**.

**S4-220995 Report of SA4 MBS SWG AH Telco (30th June 2022)**

*Type: report For: Approval  
 Source: MBS SWG Chair*

**Decision:** The document was **approved**.

**S4-220996 Report of SA4 MBS SWG AH Telco (7th July 2022)**

*Type: report For: Approval  
 Source: MBS SWG Chair*

**Decision:** The document was **approved**.

**S4-220997 Report of SA4 MBS SWG AH Telco (28th July 2022)**

*Type: report For: Approval  
 Source: MBS SWG Chair*

**Decision:** The document was **approved**.

**S4-220999 Report of SA4 MBS SWG AH Telco (4th August 2022)**

*Type: report For: Approval  
 Source: MBS SWG Chair*

**Decision:** The document was **withdrawn**.

**S4-221020 Draft Report on Audio SWG Call on 27 June 2022**

*Type: report For: Approval  
 Source: Qualcomm Austria RFFE GmbH*

**Decision:** The document was **approved**.

**S4-221089 VIDEO SWG telco report 25th May 2022**

*Type: report For: Approval  
 Source: VIDEO SWG Chair (Tencent)*

**Decision:** The document was **approved**.

**S4-221090 VIDEO SWG telco report 31st May 2022**

*Type: report For: Approval  
 Source: VIDEO SWG Chair (Tencent)*

**Decision:** The document was **approved**.

**S4-221091 VIDEO SWG telco report 28th June 2022**

*Type: report For: Approval  
 Source: VIDEO SWG Chair (Tencent)*

**Decision:** The document was **approved**.

**S4-221092 VIDEO SWG telco report 12th July 2022**

*Type: report For: Approval  
 Source: VIDEO SWG Chair (Tencent)*

**Decision:** The document was **approved**.

**S4-221191 Report for SA4 RTC SWG 1 June 2022 Teleconference**

*Type: report For: Approval  
 Source: SA4 RTC SWG Chairman*

**Decision:** The document was **approved**.

### 5.2 Other 3GPP groups

**S4-220904 Reply LS on multiparty Real-time Text (RTT) in conference calling C1-223991**

*Type: LS in For: Discussion  
 Original outgoing LS: S4-220321/C1-222597, to 3GPP SA4, cc SA1, CT4, GSMA NG (GSG, UPG, ESTF), ATIS WTSC, SA3-LI  
 Source: 3GPP CT1*

**Decision:** The document was **noted**.

**S4-220905 Reply LS on UE capabilities for NR QoE**

*Type: LS in For: Information  
 Original outgoing LS: C1-223312 / R2-2204203, to RAN2, cc SA4  
 Source: 3GPP CT1*

**Decision:** The document was **noted**.

**S4-220906 Reply LS on NR QoE**

*Type: LS in For: Information  
 Original outgoing LS: -, to RAN2, cc SA4, RAN3, SA5  
 Source: 3GPP CT1*

**Decision:** The document was **noted**.

**S4-220907 Reply LS on Data Reporting API**

*Type: LS in For: Discussion  
 Original outgoing LS: C3-223526 (S4-220839), to SA4, cc SA2  
 Source: 3GPP CT3*

**Decision:** The document was **replied to in S4-220933**.

**S4-220908 LS on Priority given to Rel-17 LSs from CT**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to SA2, SA4, RAN2, cc SA, RAN  
 Source: 3GPP CT*

**Decision:** The document was **noted**.

**S4-220909 LS on questions on RAN visible QoE**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to RAN3, SA4, cc -  
 Source: 3GPP RAN2*

**Decision:** The document was **replied to in S4-221005**.

**S4-220910 Reply to LS to 3GPP SA2 on VoLTE Roaming GBR Handling**

*Type: LS in For: Discussion  
 Original outgoing LS: S2-2203630, to SA4, CT4, CT3, GSMA NRG, cc -  
 Source: 3GPP SA2*

**Decision:** The document was **replied to in S4-221192**.

**S4-220911 Reply LS on Traffic Identification within 5G Media Streaming**

*Type: LS in For: Discussion  
 Original outgoing LS: S2-2203628/S4-220305), to SA4, CT3, cc -  
 Source: 3GPP SA2*

**Decision:** The document was **noted**.

**S4-220912 Reply LS on LS to CT3 and SA2 on EVEX**

*Type: LS in For: Discussion  
 Original outgoing LS: S2-2203661 (S4-220576 from SA4), to SA4, cc CT3  
 Source: 3GPP SA2*

**Decision:** The document was **replied to in S4-221111**.

**S4-220913 Reply LS on the impact of MSK update on MBS multicast session update procedure**

*Type: LS in For: Discussion  
 Original outgoing LS: S2-2203631/ C1-221747, to CT1, SA3, SA4, cc CT4  
 Source: 3GPP SA2*

**Decision:** The document was **noted**.

**S4-220994 Brief report from SA#96 on SA4 topics**

*Type: report For: Information  
 Source: SA4 chair*

**Decision:** The document was **noted**.

**S4-221066 Reply LS on Clarifications on Nmbstf\_MBSDistributionSession service**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to CT4, SA4, CT3, cc SA3  
 Source: SA2*

**Decision:** The document was **noted**.

**S4-221067 Follow-up LS on QoS support with Media Unit granularity**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to SA4, cc -  
 Source: SA2*

**Decision:** The document was **replied to in S4-221148**.

**S4-221068 SA WG2 5G Core Information Exposure to UE via DCAF Solution Considerations**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to SA4, cc -  
 Source: SA2*

**Decision:** The document was **replied to in S4-221112**.

**S4-221069 LS on Reply on Logical relationship between query parameters**

*Type: LS in For: Discussion  
 Original outgoing LS: S5-223020, to CT4, cc CT3, CT1, SA4  
 Source: SA5*

**Decision:** The document was **noted**.

**S4-221070 LS Reply on QoE configuration and reporting related issues**

*Type: LS in For: Discussion  
 Original outgoing LS: S4-220309, to SA4, RAN3, cc RAN2  
 Source: SA5*

**Decision:** The document was **noted**.

**S4-221071 LS on Study on KQIs for 5G service experience**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to 3GPP SA4, ITU-T SG12, cc -  
 Source: SA5*

**Decision:** The document was **replied to in S4-221006**.

**S4-221072 LS Reply on TS 28.404/TS 28.405 Clarification**

*Type: LS in For: Discussion  
 Original outgoing LS: S4-211234, to SA4, cc -  
 Source: SA5*

**Decision:** The document was **replied to in S4-221115**.

**S4-221097 Reply LS on multiparty Real-time Text (RTT) in conference calling**

*Type: LS in For: discussion  
 Original outgoing LS: S4-220321, to SA4, CT1, CT4, GSMA NG (GSG, UPG, ESTF), ATIS WTSC, cc SA3-Li  
 Source: 3GPP SA1*

**Decision:** The document was **noted**.

**S4-221118 Draft Reply LS to CT3 on Data Reporting API**

*Type: LS out For: Approval  
 to 3GPP CT3, CT4  
 Source: Qualcomm Incorporated*

(Replaces S4-221116)

**Decision:** The document was **approved**.

**S4-221119 LS on modifications to MBS User Service Architecture (To CT3, CT4, Cc SA2)**

*Type: LS out For: Approval  
 to 3GPP CT3, CT4, cc 3GPP SA2  
 Source: BBC*

**Decision:** The document was **approved**.

**S4-221120 Draft Reply LS to SA5 on study on KQIs for 5G service experience**

*Type: LS out For: Approval  
 to 3GPP SA5  
 Source: Huawei, Hisilicon*

**Decision:** The document was **approved**.

**S4-221121 LS out: Reply on TS 28.404/TS 28.405 Clarification (to S4-221072)**

*Type: LS out For: Approval  
 to 3GPP SA5  
 Source: 3GPP SA4*

**Decision:** The document was **approved**.

**S4-221122 LS out: Reply LS on LS to CT3 and SA2 on EVEX (S4-220912)**

*Type: LS out For: Approval  
 to 3GPP CT3, SA2  
 Source: 3GPP SA4*

**Decision:** The document was **approved**.

**S4-221123 LS out: reply to SA2 regarding 5G Core Information Exposure to UE via DCAF Solution Considerations (reply to S4-221068)**

*Type: LS out For: Approval  
 to 3GPP SA2  
 Source: 3GPP SA4*

(Replaces S4-221111 )

**Decision:** The document was **approved**.

**S4-221129 DRAFT Relpy LS on questions on RAN visible QoE**

*Type: LS out For: Approval  
 to RAN2, RAN3  
 Source: 3GPP SA4*

**Decision:** The document was **approved**.

**S4-221169 Reply Ls to SA2 on QoS support with Media Unit granularity**

*Type: LS out For: Approval  
 to -  
 Source: TSG SA WG4*

(Replaces  S4-221148)

**Decision:** The document was **revised to S4-221174**.

**S4-221174 Reply LS to Follow-up LS on QoS support with Media Unit granularity**

*Type: LS out For: Approval  
 to 3GPP SA2  
 Source: 3GPP SA4*

**Decision:** The document was **approved**.

**S4-221192 Reply to LS to 3GPP SA2 on VoLTE Roaming GBR Handling**

*Type: LS out For: Approval  
 to -  
 Source: Ericsson, Qualcomm*

**Decision:** The document was **approved**.

### 5.3 Other groups

**S4-221073 Liaison on MPEG-DASH Event and timed metadata processing**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to SA4, cc -  
 Source: DASH-IF*

**Decision:** The document was **noted**.

**S4-221074 Liaison statement from SC 29/WG 3 to 3GPP SA4 on ISO/IEC 23009-1 Annex I [SC 29/WG 3 N 535]**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to SA4, cc -  
 Source: ISO/IEC JTC 1/SC 29 "Coding of audio, picture, multimedia and hypermedia information" Secretariat: JISC*

**Decision:** The document was **noted**.

**S4-221075 Liaison statement from SC 29/WG 4 to 3GPP SA 4 on Compression of neural networks (NNC)**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to SA4, cc -  
 Source: ISO/IEC JTC 1/SC 29 "Coding of audio, picture, multimedia and hypermedia information" Secretariat: JISC*

**Decision:** The document was **noted**.

**S4-221076 LS on draft new Recommendation ITU-T P.1320 (ex P.QXM): QoE assessment of extended reality (XR) meeting**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to 3GPP SA4, MPEG ISO/IEC JTC 1/SC 29/WG 11, ISO/IEC JTC 1/SC 29/AG 5, ETSI TC STQ, VRIF, VQEG, ITU-T SG16,SG16 CG-Metaverse, Qualinet, cc -  
 Source: ITU-T Study Group 12*

**Decision:** The document was **noted**.

**S4-221077 LS on draft new Recommendation ITU-T P.863.2 (ex P.AMD): Extension of P.863 for multi-dimensional assessment of degradations in telephony speech signals up to full-band**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to ETSI TC STQ, ETSI TC STQ MOBILE, 3GPP SA4, cc -  
 Source: ITU-T Study Group 12*

**Decision:** The document was **noted**.

**S4-221078 LS on draft new Recommendation ITU-T P.1402 (ex P.MLGuide): Guidance for the development of machine learning based solutions for QoS/QoE prediction and network performances management in telecommunication scenarios**

*Type: LS in For: Information  
 Original outgoing LS: -, to ITU-T SGs 2, 13, ITU-T FG-AN, ETSI TC STQ, ETSI TC STQ MOBILE, 3GPP SA4, cc -  
 Source: ITU-T Study Group 12*

**Decision:** The document was **noted**.

**S4-221079 LS on draft new Recommendation ITU-T G.1036 (ex G.QoE-AR): Quality of experience (QoE) influencing factors for augmented reality (AR) services**

*Type: LS in For: Information  
 Original outgoing LS: -, to 3GPP SA4, MPEG ISO/IEC JTC 1/SC 29/WG 11, ISO/IEC JTC 1/SC 29/AG 5, ETSI TC STQ, VRIF, VQEG, ITU-T SG16, ITU-T SG13, ITU-T SG9, SG16 CG-Metaverse, Qualinet, cc -  
 Source: ITU-T Study Group 12*

**Decision:** The document was **noted**.

**S4-221080 LS on draft revised Recommendation ITU-T G.191: Software tools for speech and audio coding standardization**

*Type: LS in For: Information  
 Original outgoing LS: -, to ITU-T SG16, ETSI TC STQ, 3GPP SA4, cc -  
 Source: ITU-T Study Group 12*

**Decision:** The document was **noted**.

**S4-221081 Next-generation video codecs and the adoption of ITU-T H.266 | ISO/IEC 23090-3 Versatile Video Coding (VVC) and T/AI 109.2-2021: Intelligent Media Coding - Part 2: Video (AVS3) in DVB specifications**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to SA4 (Video SWG), cc -  
 Source: DVB Technical Module Ad-Hoc Group on Audio-Visual Content (TM-AVC)*

**Decision:** The document was **noted**.

**S4-221082 Reply LS on multiparty Real-time Text (RTT) in conference calling**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to 3GPP SA4, cc 3GPP SA1, CT1, CT4, SA3-LI & ATIS WTSC  
 Source: GSMA(UPG #03) Londres*

**Decision:** The document was **noted**.

**S4-221083 Release of VRIF guidelines on volumetric video streaming**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to 3GPP SA4, cc -  
 Source: VRIF Liaison WG*

**Abstract:**

If SA4 members have any comments, they can share them direclty via email to

info@vr-if.org

**Decision:** The document was **noted**.

**S4-221099 LS response on multiparty Real‐time Text (RTT) in conference calling**

*Type: LS in For: discussion  
 Original outgoing LS: S4‐220321, to SA4, cc ATIS PTSC  
 Source: ATIS WTSC*

**Decision:** The document was **noted**.

**S4-221222 5G-MAG TARGET 2023 – REFERENCE TOOLS FOR 5G-BASED MEDIA SERVICES**

*Type: LS in For: Information  
 Source: 5G Media Action Group*

**Decision:** The document was **noted**.

## 6 Issues for immediate consideration

**S4-220903 Proposed Draft Schedule for SA4#120-e**

*Type: other For: Information  
 Source: SA4 Chairman*

**Decision:** The document was **revised to S4-221221**.

**S4-221221 Updated Draft Schedule for SA4#120-e**

*Type: other For: Information  
 Source: SA4 Chairman*

(Replaces S4-220903)

**Decision:** The document was **agreed**.

**S4-220976 Introduction to the METAVERSE STANDARDS FORUM**

*Type: discussion For: Information  
 Source: Qualcomm incorporated*

**Decision:** The document was **noted**.

**S4-220980 Note for TS 26.114 PDF location**

*Type: discussion For: (not specified)  
 26.114 v..  
 Source: Meta USA*

**Decision:** The document was **withdrawn**.

## 7 Audio SWG

### 7.1 Opening of the session

**S4-221018 Draft Audio SWG Agenda**

*Type: agenda For: Agreement  
 Source: Audio SWG Chair*

**Decision:** The document was **agreed**.

### 7.2 Registration of documents

### 7.3 CRs to features in Release 17 and earlier

**S4-220979 Missing definition of performance requirements for receive frequency response (electrical interface UE)**

*Type: draftCR For: Agreement  
 26.131 v17.1.1  
 Source: HEAD acoustics GmbH*

**Abstract:**

For clause 7.4.8, text, table and figure for performance requirements are missing. They were not taken over from the CR that was approved in SP-211350

**Decision:** The document was **revised**.

### 7.4 Liaisons with other groups/meetings

### 7.5 IVAS\_Codec (EVS Codec Extension for Immersive Voice and Audio Services)

**S4-220920 IVAS Permanent Document IVAS-8a: Test Plan for Selection Phase, v.0.4.1**

*Type: discussion For: Agreement  
 Source: VoiceAge Corporation*

**Decision:** The document was **agreed**.

**S4-220921 Proposal to include designs of recent VoiceAge DCR test experiments in Appendix I of IVAS-8a**

*Type: discussion For: Agreement  
 Source: VoiceAge Corporation*

**Decision:** The document was **agreed**.

**S4-221026 On IVAS direct headphone presentation**

*Type: discussion For: Agreement  
 Source: Orange*

**Decision:** The document was **agreed**.

**S4-221027 On binaural rendering**

*Type: discussion For: Agreement  
 Source: Orange*

**Decision:** The document was **agreed**.

**S4-221046 Proposal of a new Example Usage Scenario**

*Type: discussion For: (not specified)  
 Source: Xiaomi Technology*

(Replaces S4aA220006)

**Abstract:**

Agreed with online revisions.

**Decision:** The document was **agreed**.

**S4-221049 Proposed Default BRIR Set for IVAS**

*Type: discussion For: Agreement  
 Source: Fraunhofer IIS*

**Decision:** The document was **agreed**.

**S4-221061 Proposed performance requirements**

*Type: discussion For: Agreement  
 Source: Nokia Corporation*

**Decision:** The document was **agreed**.

**S4-221062 IVAS audio format interfaces**

*Type: discussion For: Agreement  
 Source: Ericsson LM*

**Decision:** The document was **agreed**.

**S4-221063 Updated introductions of IVAS permanent documents**

*Type: discussion For: Agreement  
 Source: Ericsson LM*

**Decision:** The document was **agreed**.

### 7.6 ATIAS (Terminal Audio quality performance and Test methods for Immersive Audio Services)

### 7.7 eUET (Enhancements to UE Testing)

**S4-221011 On applicability of vehicle hands-free UE**

*Type: discussion For: Discussion  
 26.132 v..  
 Source: HEAD acoustics GmbH*

**Decision:** The document was **noted**.

**S4-221019 Initial measurement results for eUET**

*Type: discussion For: Discussion  
 26.131 v..  
 Source: HEAD acoustics GmbH*

**Decision:** The document was **noted**.

**S4-221029 Proposed RTP payload conformance tests**

*Type: pCR For: Agreement  
 26.130 v0.0.1  
 Source: Orange*

**Decision:** The document was **revised**.

**S4-221030 Example setup for RTP payload conformance tests**

*Type: discussion For: Discussion  
 Source: Orange*

**Decision:** The document was **noted**.

**S4-221031 Review of existing JBM test cases in TS 26.131 and 26.132**

*Type: discussion For: Agreement  
 Source: Orange*

**Decision:** The document was **noted**.

**S4-221032 Proposed tests for JBM behaviour evaluation**

*Type: discussion For: Agreement  
 Source: Orange*

**Decision:** The document was **noted**.

**S4-221033 dCR26.131 New unit tests for JBM performance**

*Type: draftCR For: Agreement  
 26.131 v17.1.1  
 Source: Orange*

**Decision:** The document was **noted**.

**S4-221034 Corrections and new unit tests for JBM performance**

*Type: draftCR For: Agreement  
 26.132 v17.1.0  
 Source: Orange*

**Decision:** The document was **noted**.

### 7.8 FS\_Audio\_5GSTAR (Feasibility Study on Audio Aspects for 5G Glasses-type AR/MR Devices)

**S4-221035 Editorial review of TR 26.998 on audio aspects**

*Type: draftCR For: Discussion  
 26.998 v17.0.0  
 Source: Rapporteur (Orange)*

**Decision:** The document was **noted**.

### 7.9 New Work / New Work Items and Study Items

**S4-221047 On end-to-end immersive audio solution for end-user devices**

*Type: discussion For: (not specified)  
 Source: Xiaomi Technology*

**Decision:** The document was **noted**.

**S4-221048 Draft SID on diverse audio capturing system for end-user devices**

*Type: SID new For: Agreement  
 Source: Xiaomi Technology*

(Replaces S4-220696)

**Decision:** The document was **noted**.

### 7.10 Any Other Business

### 7.11 Close of the session

## 8 Multicast-Broadcast-Streaming (MBS) SWG

**S4-221142 [5GMSA-Ph2] Uplink high level procedure**

*Type: draftCR For: Agreement  
 Source: Tencent Cloud*

(Replaces S4-220989)

**Decision:** The document was **agreed**.

**S4-221145 Presentation BY Xiaomi for the explanation on the draft SID FS\_DaCED (reference to the SID draft S4-221190)**

*Type: discussion For: discussion  
 Source: Xiaomi*

**Decision:** The document was **noted**.

### 8.1 Opening of the session

### 8.2 Registration of documents

### 8.3 Reports/Liaisons from other groups/meetings

**S4-221005 DRAFT Relpy LS on questions on RAN visible QoE**

*Type: LS out For: Approval  
 to RAN2, RAN3  
 Source: Huawei, Hisilicon*

(Replaces  S4-221166)

**Decision:** The document was **revised to S4-221129**.

**S4-221006 Draft Reply LS to SA5 on study on KQIs for 5G service experience**

*Type: LS out For: Approval  
 to SA5, cc ITU-T SG12  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S4-221120**.

**S4-221111 Draft reply LS to SA2 LS (S4-220912) on EVEX**

*Type: LS out For: Approval  
 to -  
 Source: nn*

**Decision:** The document was **revised to S4-221122**.

**S4-221112 Draft Reply LS to SA2 on 5G Core Information Exposure to UE via DCAF Solution (reply to S4-221068)**

*Type: LS out For: Approval  
 to -  
 Source: nn*

**Decision:** The document was **revised to S4-221123**.

**S4-221115 Draft Reply LS to SA5 on TS 28.404/TS 28.405 Clarification (to S4-221072)**

*Type: LS out For: Approval  
 to -  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S4-221121**.

**S4-221116 Draft Reply LS to CT3 on Data Reporting API**

*Type: LS out For: Agreement  
 to -  
 Source: Qualcomm Incorporated*

(Replaces  S4-221113)

**Decision:** The document was **revised to S4-221118**.

### 8.4 Issues for immediate consideration

**S4-220929 [EVEX] Miscallaneous corrections and clarifications**

*Type: CR For: Agreement  
 26.531 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: BBC*

(Replaces S4aI221359)

**Abstract:**

Clarification that the use of event subscription filters is in scope.

Addition of cross-references to CT3 specifications.

Update to authorisation procedure in light of LS [C3-223571] from CT3.

**Decision:** The document was **revised to S4-221106**.

**S4-220933 Draft Reply LS to CT3 on Data Reporting API**

*Type: LS out For: Agreement  
 to CT3, cc SA2  
 Source: Qualcomm Incorporated*

**Abstract:**

Proposed SA4 reply LS to CT3 on Data Reporting API. Request review for expedited agreement for sending to CT3 early on during SA4#120-e to enable CT3 completion of their EVEX Work Item at CT3#123-e.

**Decision:** The document was **revised to S4-221113**.

**S4-220934 [EVEX] TS 26.532 PUT/PATCH corrections**

*Type: CR For: Agreement  
 26.532 v17.0.1 CR-0001 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated, BBC, Huawei*

**Abstract:**

CR to TS 26.532 on essential corrections regarding use of HTTP PUT and PATCH service operations on DataReportingProvisioningSession and DataReportingConfiguration resources. Request expedited review/approval for forwarding, along with related reply LS to

**Decision:** The document was **revised to S4-221107**.

**S4-221004 CR on subscription filters for 5GMS events**

*Type: CR For: Approval  
 26.501 v17.2.0 CR-0040 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S4-221108**.

**S4-221113 Draft Reply LS to CT3 on Data Reporting API**

*Type: LS out For: Approval  
 to -  
 Source: Qualcomm Incorporated*

(Replaces  S4-220933)

**Decision:** The document was **revised to S4-221116**.

### 8.5 CRs to features in Release 17 and earlier

**S4-220928 [5MBUSA] Clarifications on domain model**

*Type: CR For: Agreement  
 26.502 v17.1.1 CR-0007 Cat: F (Rel-17)  
  
 Source: BBC*

(Replaces S4aI221361)

**Abstract:**

Clarifications and corrections resulting from CT3/CT4 feedback.

**Decision:** The document was **revised to S4-221124**.

**S4-220930 [5GMS3] Rel-16 API corrections**

*Type: CR For: Agreement  
 26.512 v16.6.1 CR-0026 Cat: F (Rel-16)  
  
 Source: BBC*

**Abstract:**

Correction of camelcasing in Service Access Information resource to comply with 3GPP OpenAPI naming conventions.

**Decision:** The document was **revised to S4-221114**.

**S4-220937 [5MBUSA] Modifications to reference architecture**

*Type: draftCR For: Agreement  
 26.502 v17.1.1  
 Source: BBC*

**Abstract:**

Proposal to modify the reference architecture for MBS User Services to serve unicast Service Announcements from the MBS AS instead of from the MBSF, and to terminate the SA3 user plane client authentication procedure on the MBS AS via reference point MBS-

**Decision:** The document was **noted**.

**S4-220943 [EVEX] TS 26.531 Clarifications on Data Access Profile description in clause 4.5.2**

*Type: CR For: Agreement  
 26.531 v17.0.0 CR-0002 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Existing introductory descriptions in clauses 4.2.4.3, 4.2.5.3 and 4.3.2.3 on updating and renewing data collection and reporting configuration information for/by different types of data collection clients are a bit unclear and inaccurate. Additional clar

**Decision:** The document was **postponed**.

**S4-220944 [EVEX] TS 26.532 Bug fixes regarding updating data collection and reporting configurations for data collection clients**

*Type: CR For: Agreement  
 26.532 v17.0.1 CR-0002 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Proposed corrections to introductory descriptions in clauses 4.2.4.3, 4.2.5.3 and 4.3.2.3 on updating and renewing data collection and reporting configuration information for/by different types of data collection clients are currently a bit unclear and in

**Decision:** The document was **revised to  S4-221109**.

**S4-220948 [5MBUSA] On MBS Security**

*Type: discussion For: Agreement  
 26.502 v..  
 Source: Qualcomm incorporated*

**Decision:** The document was **conditionally agreed**.

**S4-220949 [5MBP3] Updates to Delivery Methods**

*Type: draftCR For: Agreement  
 26.517 v17.0.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **noted**.

**S4-221051 [5MBUSA] Correction of missing procedures and events**

*Type: draftCR For: Agreement  
 26.502 v17.1.1  
 Source: Ericsson LM, BBC*

**Decision:** The document was **merged**.

**S4-221052 [5MBUSA] Correction of the User Service Provisioning call flow wrt usage of QoS**

*Type: draftCR For: Agreement  
 26.502 v17.1.1  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S4-221053 [5MBUSA] New Annex on Data Model example instantiations**

*Type: draftCR For: Agreement  
 26.502 v17.1.1  
 Source: Ericsson LM*

**Decision:** The document was **revised to S4-221130**.

**S4-221065 [FS\_5GMS-EXT] Corrections of Traffic Identification sections**

*Type: draftCR For: Agreement  
 26.804 v17.0.0  
 Source: Ericsson GmbH, Eurolab*

**Decision:** The document was **revised to S4-221117**.

**S4-221088 [FS\_5GMS\_EXT] Correction to uplink streaming call flow for collaboration scenario 5**

*Type: draftCR For: Agreement  
 26.804 v17.0.0  
 Source: Tencent Cloud*

**Decision:** The document was **revised to S4-221135**.

**S4-221135 [FS\_5GMS\_EXT] Correction to uplink streaming call flow for collaboration scenario 5**

*Type: CR For: Agreement  
 26.804 v17.0.0 CR-0002 Cat: F (Rel-17)  
  
 Source: Tencent Cloud*

(Replaces S4-221088)

**Decision:** The document was **revised to S4-221144**.

### 8.6 SR\_MSE (Split Rendering Media Service Enabler)

### 8.7 5GMSA\_Ph2 (5G Media Streaming Architecture Phase2)

**S4-220950 [5GMSA\_Ph2] End-to-end low latency live streaming**

*Type: draftCR For: Agreement  
 26.501 v17.2.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **revised to S4-221125**.

**S4-221125 [5GMSA\_Ph2] End-to-end low latency live streaming**

*Type: draftCR For: Agreement  
 Source: Qualcomm incorporated*

(Replaces S4-220950)

**Decision:** The document was **noted**.

**S4-220951 [5GMSA\_Ph2] 5GMS over 5MBS**

*Type: draftCR For: Agreement  
 26.501 v17.2.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **revised to S4-221136**.

**S4-220952 [5GMSA\_Ph2] 5GMS via MBS and Hybrid services - Procedures**

*Type: draftCR For: Agreement  
 26.501 v17.2.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **revised to S4-221140**.

**S4-220953 [5GMSA\_Ph2] Hybrid DASH/HLS operation**

*Type: draftCR For: Agreement  
 26.501 v17.2.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **revised to S4-221141**.

**S4-220989 [5GMSA-Ph2] Uplink high level procedure**

*Type: draftCR For: Agreement  
 26.501 v17.2.0  
 Source: Tencent Cloud*

**Decision:** The document was **revised to S4-221142**.

**S4-220990 [5GMSA\_Ph2] Uplink collaboration scenarios**

*Type: draftCR For: Agreement  
 26.501 v17.2.0  
 Source: Tencent Cloud*

**Decision:** The document was **merged**.

**S4-220991 [5GMSA\_Ph2] Proposed Workplan**

*Type: Work Plan For: Agreement  
 Source: Tencent Cloud*

**Decision:** The document was **revised to S4-221143**.

**S4-221136 [5GMSA\_Ph2] 5GMS over 5MBS**

*Type: draftCR For: Agreement  
 Source: Qualcomm incorporated*

**Decision:** The document was **agreed**.

**S4-221140 [5GMSA\_Ph2] 5GMS via MBS and Hybrid services - Procedures**

*Type: draftCR For: Agreement  
 Source: Qualcomm incorporated*

(Replaces S4-220952)

**Decision:** The document was **agreed**.

**S4-221141 [5GMSA\_Ph2] Hybrid DASH/HLS operation**

*Type: draftCR For: Agreement  
 Source: Qualcomm incorporated*

(Replaces S4-220951)

**Decision:** The document was **agreed**.

### 8.8 FS\_5G\_MSE (Feasibility Study on 5G Media Service Enablers)

**S4-220954 [FS\_5G\_MSE] Editor's Proposed Update of TR 26.857**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **revised to S4-221131**.

**S4-220955 [FS\_5G\_MSE] Example 5GMS Media Player**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **merged**.

**S4-220956 [FS\_5G\_MSE] Example 5GMS Media Session Handler**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **merged**.

**S4-220957 [FS\_5G\_MSE] Example SA6 Application Enabler Frameworks**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **merged**.

**S4-220958 [FS\_5G\_MSE] Example Khronos OpenXR**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **merged**.

**S4-220959 [FS\_5G\_MSE] MSE framework proposal and comparison**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **merged**.

**S4-220960 [FS\_5G\_MSE] MSE Specification Framework**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **merged**.

**S4-220961 [FS\_5G\_MSE] Writing MSE Specifications: Style Guides and Tools**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **merged**.

**S4-220962 [FS\_5G\_MSE] Potentially Relevant 5G Media Service Enablers**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **merged**.

**S4-220963 [FS\_5G\_MSE] Initial Conclusions and Recommendations**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **merged**.

**S4-220965 [FS\_SmarTAR] Proposed Updated Work Plan**

*Type: Work Plan For: Agreement  
 Source: Qualcomm incorporated*

**Decision:** The document was **revised to S4-221128**.

**S4-220968 [FS\_SmarTAR] Split-Runtime Architecture and Media Handling**

*Type: pCR For: Agreement  
 26.806 v0.2.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **agreed**.

**S4-220993 [FS\_5G\_MSE] Proposed update to 4.3**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Tencent Cloud*

**Decision:** The document was **merged**.

**S4-220998 [FS\_5G\_MSE] MSE framework update (4.2)**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Tencent Cloud*

**Decision:** The document was **merged**.

**S4-221001 [FS\_5G\_MSE] Potential solutions**

*Type: pCR For: Agreement  
 26.857 v0.3.0  
 Source: Tencent Cloud*

**Decision:** The document was **merged**.

**S4-221002 [FS\_5G\_MSE] Media Service Enablers: are we there yet?**

*Type: discussion For: Agreement  
 Source: Tencent Cloud*

**Decision:** The document was **noted**.

**S4-221131 MSE TR**

*Type: other For: discussion  
 Source: Qualcomm Incorporated (Rapporteur)*

**Decision:** The document was **revised to S4-221137**.

**S4-221137 MSE TR**

*Type: other For: discussion  
 Source: Qualcomm incorporated*

(Replaces S4-221131)

**Decision:** The document was **agreed**.

### 8.9 FS\_SmarTAR (Feasibility Study on Smartly Tethering AR Glasses)

**S4-220966 [FS\_SmarTAR] Editor's Proposed Update of TR 26.806**

*Type: pCR For: Agreement  
 26.806 v0.2.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **agreed**.

**S4-220967 [FS\_SmarTAR] Updates to Stand-Alone Architecture and Media Handling**

*Type: pCR For: Agreement  
 26.806 v0.2.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **agreed**.

**S4-220969 [FS\_SmarTAR] Updated Call Flows**

*Type: pCR For: Agreement  
 26.806 v0.2.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **agreed**.

### 8.10 FS\_MS\_NS\_Ph2 (Study on Media Streaming aspects of Network Slicing Phase 2)

**S4-221007 Network Slicing in SA2**

*Type: pCR For: Approval  
 26.941 v0.0.1  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S4-221139**.

**S4-221055 [FS\_MS\_NS\_Ph2] Draft TR 26.941 version 0.1.0**

*Type: discussion For: Agreement  
 26.941 v..  
 Source: Samsung Research America*

**Decision:** The document was **agreed**.

**S4-221057 [FS\_MS\_NS\_Ph2] Overview of Network slicing feature and capabilities**

*Type: discussion For: Agreement  
 26.941 v..  
 Source: Samsung Research America*

**Decision:** The document was **revised to S4-221132**.

**S4-221058 [FS\_MS\_NS\_Ph2] Collaboration Scenarios with Network Slicing**

*Type: discussion For: Agreement  
 26.941 v..  
 Source: Samsung Research America*

**Decision:** The document was **revised to S4-221133**.

**S4-221059 [FS\_MS\_NS\_Ph2] Aspects related to Service Provisioning with Network Slicing**

*Type: discussion For: Agreement  
 26.941 v..  
 Source: Samsung Research America*

**Decision:** The document was **noted**.

**S4-221132 [FS\_MS\_NS\_Ph2] Overview of Network slicing feature and capabilities**

*Type: discussion For: Agreement  
 Source: Samsung Research America*

(Replaces S4-221057)

**Decision:** The document was **agreed**.

**S4-221133 [FS\_MS\_NS\_Ph2] Collaboration Scenarios with Network Slicing**

*Type: discussion For: Agreement  
 Source: Samsung Research America*

(Replaces S4-221058)

**Decision:** The document was **agreed**.

**S4-221139 Network Slicing in SA2**

*Type: pCR For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **agreed**.

### 8.11 New Work / New Work Items and Study Items

### 8.12 Others including TEI

**S4-220970 [TEI] Discussion on Emergency Alerts for 5G Broadcast**

*Type: discussion For: Agreement  
 Source: Qualcomm incorporated*

**Decision:** The document was **noted**.

### 8.13 Review of the future work plan (next meeting dates, hosts)

### 8.14 Any Other Business

**S4-220938 Summary for 5MBUSA “5G multicast-broadcast services User Service architecture”**

*Type: WI summary For: Endorsement  
 26.502 v17.1.1  
 Source: TELUS*

(Replaces S4-220730)

**Decision:** The document was **noted**.

### 8.15 Close of the session

## 9 Video SWG

**S4-221175 MBS SWG Executive Summary for the Report during SA4#120-e (S4-220915)**

*Type: report For: Approval  
 Source: MBS SWG Chair*

**Decision:** The document was **approved**.

**S4-221176 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

**S4-221177 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

**S4-221178 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

**S4-221179 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

**S4-221180 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

**S4-221181 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

**S4-221182 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

**S4-221183 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

**S4-221184 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

**S4-221185 (reserved)**

*Type: other For: discussion  
 Source: Video SWG*

**Decision:** The document was **not treated**.

### 9.1 Opening of the session

### 9.2 Registration of documents

### 9.3 Reports and liaisons from other groups

**S4-221148 Reply Ls to SA2 on QoS support with Media Unit granularity**

*Type: LS out For: Approval  
 to -  
 Source: TSG SA WG4*

**Decision:** The document was **revised to  S4-221169**.

### 9.4 CRs to features in Release 17 and earlier

**S4-220971 [FS\_5GVideo] Miscellaneous Corrections**

*Type: draftCR For: Agreement  
 26.955 v17.0.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **agreed**.

**S4-220987 dCR for corrections in TR 26.998**

*Type: draftCR For: Agreement  
 26.998 v17.0.0  
 Source: SAMSUNG R&D INSTITUTE JAPAN*

**Decision:** The document was **agreed**.

**S4-221084 Proposed corrections to TR 26.955**

*Type: draftCR For: (not specified)  
 26.955 v17.0.0  
 Source: Ericsson India Private Limited*

**Abstract:**

Proposed corrections to TR 26.955 text.

**Decision:** The document was **agreed**.

### 9.5 MeCAR (Media Capabilities for Augmented Reality)

**S4-220935 Candidate 2D video capabilities for MeCAR**

*Type: discussion For: Agreement  
 Source: InterDigital, Inc.*

**Abstract:**

This contribution proposes to start listing encoding/decoding capabilities which may be of interest for the Edgar-1 MeCAR device, referring to video capabilities which have been referenced in TS 26.511 (“5G Media Streaming, Profiles, Codecs and Formats”).

**Decision:** The document was **revised to S4-221152**.

**S4-220936 Interest of transparency information in the context of MeCAR Edgar Architecture**

*Type: discussion For: Agreement  
 Source: InterDigital, Inc.*

**Abstract:**

This contribution discusses the interest to transmit transparency information and documents how it can be realized with 2D video codeoc capabilities (AVC and HEVC) which have been referenced in TS 26.511 (“5G Media Streaming, Profiles, Codecs and Formats”

**Decision:** The document was **revised to S4-221153**.

**S4-221153 Interest of transparency information in the context of MeCAR Edgar Architecture**

*Type: discussion For: Agreement  
 Source: InterDigital, Inc.*

(Replaces S4-220936)

**Abstract:**

This contribution discusses the interest to transmit transparency information and documents how it can be realized with 2D video codeoc capabilities (AVC and HEVC) which have been referenced in TS 26.511 (“5G Media Streaming, Profiles, Codecs and Formats”

**Decision:** The document was **agreed**.

**S4-220972 [MeCAR] Considerations on Split-Runtime Architecture and Media Handling**

*Type: discussion For: Agreement  
 Source: Qualcomm incorporated*

**Decision:** The document was **revised to  S4-221161**.

**S4-220977 AR media types and transport discussion for MeCAR**

*Type: discussion For: Decision  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S4-221156**.

**S4-221156 AR media types and transport discussion for MeCAR**

*Type: discussion For: agreement  
 Source: HuaWei Technologies Co., Ltd, Tencent*

(Replaces  S4-220977)

**Decision:** The document was **revised to S4-221162**.

**S4-221036 On processing flow and observation point**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Czech*

**Decision:** The document was **revised to S4-221155**.

**S4-221037 On MR split rendering information**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Czech*

**Decision:** The document was **revised to S4-221154**.

**S4-221154 On MR split rendering information**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Czech*

(Replaces S4-221037)

**Decision:** The document was **agreed**.

**S4-221038 On display capability of AR glasses**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Czech*

**Decision:** The document was **revised to S4-221149**.

**S4-221149 On display capability of AR glasses**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Czech*

(Replaces S4-221038)

**Decision:** The document was **agreed**.

**S4-221044 Updated Work Plan for MeCAR v2.0**

*Type: Work Plan For: Information  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S4-221151**.

**S4-221045 Description of the AR rendering process**

*Type: discussion For: (not specified)  
 Source: Qualcomm Technologies Ireland*

**Decision:** The document was **revised to S4-221161**.

**S4-221060 Proposed updates to EDGAR-1 architecture**

*Type: discussion For: Agreement  
 Source: Xiaomi Communications*

**Decision:** The document was **agreed**.

**S4-221064 On frame submission to the AR Runtime in EDGAR-1 architecture**

*Type: discussion For: Agreement  
 Source: Xiaomi Communications*

**Decision:** The document was **merged**.

**S4-221152 Candidate 2D video capabilities for MeCAR**

*Type: discussion For: Agreement  
 Source: InterDigital, Inc.*

(Replaces S4-220935)

**Decision:** The document was **agreed**.

**S4-221155 On processing flow and observation point**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Czech*

(Replaces  S4-221036)

**Decision:** The document was **noted**.

**S4-221161 Update of the device architectures and rendering process**

*Type: discussion For: Agreement  
 Source: Xiaomi, Qualcomm Incorporated*

(Replaces  S4-220972)

**Decision:** The document was **agreed**.

**S4-221162 AR media types and transport discussion for MeCAR**

*Type: discussion For: agreement  
 Source: HuaWei Technologies Co., Ltd, Tencent*

(Replaces  S4-221156)

**Decision:** The document was **agreed**.

### 9.6 FS\_XRTraffic (Feasibility Study on Typical Traffic Characteristics for XR Services and other Media)

**S4-220947 [FS\_XRTraffic] Discussion on XR Traffic Model**

*Type: discussion For: (not specified)  
 26.926 v..  
 Source: vivo Mobile Communication (S)*

**Decision:** The document was **noted**.

**S4-220973 [FS\_XRTraffic] Proposed Updates to TR 26.926**

*Type: pCR For: Agreement  
 26.926 v0.3.0  
 Source: Qualcomm incorporated*

**Decision:** The document was **revised to  S4-221170**.

### 9.7 FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media)

**S4-221022 [FS\_AI4Media] Permanent Document v0.3**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **agreed**.

**S4-221023 [FS\_AI4Media] Edits to section on use cases and scenarios**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S4-221157**.

**S4-221024 [FS\_AI4Media] Service architecture for split AIML inference with uplink**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S4-221158**.

**S4-221025 [FS\_AI4Media] Related work in 3GPP**

*Type: pCR For: Agreement  
 26.927 v0.1.0  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S4-221159**.

**S4-221039 [FS\_AI4Media] Architectures and service flows updates**

*Type: discussion For: Agreement  
 Source: InterDigital Finland Oy*

**Decision:** The document was **merged**.

**S4-221040 [FS\_AI4Media] Object Recognition in Image and Video use-case update**

*Type: discussion For: Agreement  
 Source: InterDigital Finland Oy*

**Decision:** The document was **revised to  S4-221167**.

**S4-221041 [FS\_AI4Media] Split topologies update**

*Type: discussion For: Agreement  
 Source: InterDigital Finland Oy*

**Decision:** The document was **agreed**.

**S4-221042 [FS\_AI4Media] Updates to definitions**

*Type: discussion For: Agreement  
 Source: InterDigital Finland Oy*

**Decision:** The document was **revised to  S4-221168**.

**S4-221043 [FS\_AI4Media] New Neural Network hybrid coding use-case**

*Type: discussion For: Agreement  
 Source: InterDigital Finland Oy*

**Decision:** The document was **revised to  S4-221171**.

**S4-221093 AI/ML model optimization for transport**

*Type: discussion For: (not specified)  
 Source: Qualcomm Technologies Ireland*

**Decision:** The document was **revised to S4-221172**.

**S4-221157 [FS\_AI4Media] Edits to section on use cases and scenarios**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Benelux BV*

(Replaces S4-221023)

**Decision:** The document was **agreed**.

**S4-221158 [FS\_AI4Media] Service architecture for split AIML inference with uplink**

*Type: discussion For: Agreement  
 Source: Samsung Electronics Benelux BV, Interdigital Finland Ory*

(Replaces S4-221024)

**Decision:** The document was **agreed**.

**S4-221159 [FS\_AI4Media] Related work in 3GPP**

*Type: pCR For: Agreement  
 Source: Samsung Electronics Benelux BV*

(Replaces  S4-221025)

**Decision:** The document was **agreed**.

**S4-221167 [FS\_AI4Media] Object Recognition in Image and Video use-case update**

*Type: discussion For: Agreement  
 Source: InterDigital Finland Oy*

(Replaces  S4-221040)

**Decision:** The document was **agreed**.

**S4-221168 [FS\_AI4Media] Updates to definitions**

*Type: discussion For: Agreement  
 Source: InterDigital Finland Oy*

(Replaces  S4-221042)

**Decision:** The document was **agreed**.

**S4-221171 [FS\_AI4Media] New Neural Network hybrid coding use-case**

*Type: discussion For: Agreement  
 Source: InterDigital Finland Oy*

(Replaces  S4-221043)

**Decision:** The document was **agreed**.

**S4-221172 AI/ML model optimization for transport**

*Type: discussion For:  Agreement  
 Source: Qualcomm Technologies Ireland*

(Replaces  S4-221093)

**Decision:** The document was **agreed**.

### 9.8 FS\_ARMRQoE (Feasibility Study on AR and MR QoE Metrics)

**S4-221003 Collection of current work on ARMR QoE in ITU-T**

*Type: pCR For: Approval  
 26.812 v0.0.1  
 Source: Huawei, Hisilicon, China Unicom*

**Decision:** The document was **revised to  S4-221163**.

**S4-221008 [FS\_ARMRQoE] TR 26.812 skeleton v0.0.1**

*Type: draft TR For: Agreement  
 26.812 v0.0.1  
 Source: China Unicom*

**Decision:** The document was **revised to  S4-221164**.

**S4-221009 Work Plan for the study on ARMR QoE metrics V1.0**

*Type: Work Plan For: Agreement  
 Source: China Unicom*

**Decision:** The document was **revised to  S4-221166**.

**S4-221163 Collection of current work on ARMR QoE in ITU-T**

*Type: pCR For: Approval  
 Source: Huawei, Hisilicon, China Unicom*

(Replaces  S4-221003)

**Decision:** The document was **agreed**.

**S4-221164 [FS\_ARMRQoE] TR 26.812 skeleton v0.0.1**

*Type: draft TR For: Agreement  
 Source: China Unicom*

(Replaces  S4-221008)

**Decision:** The document was **agreed**.

### 9.9 New Work / New Work Items and Study Items

**S4-220975 Follow-up on TR 26.955: HEVC Improvements**

*Type: discussion For: Agreement  
 Source: Qualcomm incorporated*

**Decision:** The document was **noted**.

### 9.10 Liaisons and Liaison Responses

### 9.11 Any Other Business

### 9.12 Close of the session

## 10 Real-Time Communications (RTC) SWG

### 10.1 Opening of the session

### 10.2 Registration of documents

### 10.3 Reports and liaisons from other groups

### 10.4 CRs to features in Release 17 and earlier

### 10.5 iRTCW (immersive Real-time Communication for WebRTC)

**S4-220932 Dynamic 3D representation use cases and requirements**

*Type: discussion For: Agreement  
 Source: Nokia Corporation*

(Replaces S4aR220024)

**Decision:** The document was **revised to S4-221193**.

**S4-220939 [iRTCW] updated WID**

*Type: WID revised For: (not specified)  
 Source: Meta USA*

**Decision:** The document was **withdrawn**.

**S4-220940 [iRTCW] permanent document v0.14**

*Type: other For: Agreement  
 26.113 v..  
 Source: Meta USA*

**Decision:** The document was **withdrawn**.

**S4-220941 [iRTCW] time and work plan v0.14**

*Type: Work Plan For: Agreement  
 Source: Meta USA*

**Decision:** The document was **withdrawn**.

**S4-220942 [iRTCW] draft introduction to TS 26.113**

*Type: discussion For: Agreement  
 26.113 v..  
 Source: Meta USA*

**Decision:** The document was **withdrawn**.

**S4-220945 Requirements for the WebRTC Signaling Protocol**

*Type: discussion For: (not specified)  
 Source: Qualcomm Technologies Ireland*

**Decision:** The document was **revised to S4-221194**.

**S4-220988 Discussion on the usage of 5GMS for iRTCW**

*Type: discussion For: Agreement  
 26.113 v..  
 Source: Intel Sweden AB*

(Replaces S4-220645)

**Decision:** The document was **revised to S4-221195**.

**S4-221012 Functional Requirements for Avatar Driven**

*Type: discussion For: Agreement  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S4-221196**.

**S4-221054 iRTCW client functional components and architecture**

*Type: discussion For: Agreement  
 Source: InterDigital Communications*

(Replaces S4-221197)

**Abstract:**

In this contribution, we discuss the functional components of an iRTCW client.

**Decision:** The document was **revised to S4-221197**.

**S4-221193 Dynamic 3D representation use cases and requirements**

*Type: other For: discussion  
 Source: Nokia Corporation*

(Replaces S4-220932)

**Decision:** The document was **agreed**.

**S4-221194 Requirements for the WebRTC Signaling Protocol**

*Type: other For: discussion  
 Source: Qualcomm Technologies Ireland*

(Replaces S4-220945)

**Decision:** The document was **agreed**.

**S4-221195 Discussion on the usage of 5GMS for iRTCW**

*Type: other For: discussion  
 Source: Intel Sweden AB*

**Decision:** The document was **agreed**.

**S4-221196 Functional Requirements for Avatar Driven**

*Type: other For: discussion  
 Source: China Mobile Com. Corporation*

(Replaces S4-221012)

**Decision:** The document was **agreed**.

**S4-221197 iRTCW client functional components and architecture**

*Type: other For: discussion  
 Source: InterDigital Communications*

(Replaces S4-221054)

**Decision:** The document was **noted**.

**S4-221215 (reserved)**

*Type: other For: discussion  
 Source: Real-Time Communications (RTC) SWG*

**Decision:** The document was **not treated**.

**S4-221216 (reserved)**

*Type: other For: discussion  
 Source: Real-Time Communications (RTC) SWG*

**Decision:** The document was **not treated**.

**S4-221217 (reserved)**

*Type: other For: discussion  
 Source: Real-Time Communications (RTC) SWG*

**Decision:** The document was **not treated**.

**S4-221218 (reserved)**

*Type: other For: discussion  
 Source: Real-Time Communications (RTC) SWG*

**Decision:** The document was **not treated**.

**S4-221219 (reserved)**

*Type: other For: discussion  
 Source: Real-Time Communications (RTC) SWG*

**Decision:** The document was **not treated**.

**S4-221220 (reserved)**

*Type: other For: discussion  
 Source: Real-Time Communications (RTC) SWG*

**Decision:** The document was **not treated**.

### 10.6 IBACS (IMS-based AR Conversational Services)

**S4-220981 IMS4AR Timeplan v.0.0.1**

*Type: Work Plan For: Agreement  
 Source: KPN N.V.*

**Decision:** The document was **revised to S4-221205**.

**S4-220982 IMS4AR Permanent Document**

*Type: Work Plan For: Agreement  
 Source: KPN N.V.*

**Decision:** The document was **revised to S4-221206**.

**S4-221010 AR/MR Application Classification for IMS4AR**

*Type: discussion For: Decision  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **agreed**.

**S4-221013 [IBACS]AR Web Applications**

*Type: discussion For: Agreement  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **noted**.

**S4-221014 [IBACS]AR Web Applications**

*Type: discussion For: Agreement  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **withdrawn**.

**S4-221015 [IBACS]AR Web Applications**

*Type: discussion For: Agreement  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **withdrawn**.

**S4-221016 [IBACS]AR Web Applications**

*Type: discussion For: Agreement  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **withdrawn**.

**S4-221017 Draft TS 26.264 v0.0.1**

*Type: discussion For: Agreement  
 Source: Samsung Electronics GmbH*

**Decision:** The document was **revised to S4-221202**.

**S4-221050 Reference use case and call flow for AR call**

*Type: discussion For: Agreement  
 Source: Qualcomm Technologies Ireland*

**Decision:** The document was **noted**.

**S4-221086 Real-time scene composition for AR use cases**

*Type: discussion For: Agreement  
 Source: Nokia Corporation*

**Decision:** The document was **revised to S4-221207**.

**S4-221206 IBACS Permanent Document v0.0.1**

*Type: discussion For: Agreement  
 Source: KPN N.V.*

**Decision:** The document was **revised to S4-221212**.

**S4-221207 Real-time scene composition for AR use cases**

*Type: discussion For: Agreement  
 Source: Nokia Corporation*

**Decision:** The document was **agreed**.

### 10.7 GA4RTAR (Generic architecture for Real-Time and AR/MR media)

**S4-220946 A proposed RTC architecture**

*Type: discussion For: Agreement  
 Source: Qualcomm Technologies Ireland*

**Decision:** The document was **revised to S4-221195**.

**S4-220983 [GA4RTAR] Initial sketch of architecture**

*Type: discussion For: Agreement  
 Source: SAMSUNG R&D INSTITUTE JAPAN*

**Decision:** The document was **merged**.

**S4-220984 [GA4RTAR] pCR on Scope (clause 1) of TS 26.506**

*Type: discussion For: Agreement  
 26.506 v..  
 Source: SAMSUNG R&D INSTITUTE JAPAN*

**Decision:** The document was **revised to S4-221198**.

**S4-220985 [GA4RTAR] Proposed Draft of TS 26.506 v0.1.0**

*Type: discussion For: Agreement  
 Source: SAMSUNG R&D INSTITUTE JAPAN*

**Decision:** The document was **revised to S4-221199**.

**S4-221198 [GA4RTAR] pCR on Scope (clause 1) of TS 26.506**

*Type: other For: discussion  
 Source: SAMSUNG R&D INSTITUTE JAPAN*

(Replaces S4-220984)

**Decision:** The document was **agreed**.

### 10.8 5G\_RTP (5G Real-time Transport Protocols)

**S4-221087 Real- time metadata requirement for AR use cases**

*Type: discussion For: Agreement  
 Source: Nokia Corporation*

**Decision:** The document was **noted**.

**S4-221094 5G\_RTP Permanent Document v. 0.0.1**

*Type: discussion For: (not specified)  
 Source: Nokia Italy*

**Decision:** The document was **revised to S4-221209**.

**S4-221095 5G\_RTP Timeplan v. 0.0.1**

*Type: discussion For: (not specified)  
 Source: Nokia Italy*

**Decision:** The document was **revised to S4-221208**.

### 10.9 FS\_eiRTCW (Feasibility Study on the enhancements for immersive Real-time Communication for WebRTC)

**S4-220925 FS\_eiRTCW Permanent Document**

*Type: other For: (not specified)  
 Source: NTT corporation*

**Decision:** The document was **revised to S4-221211**.

**S4-220926 Potential Solutions for FS\_eiRTCW**

*Type: other For: (not specified)  
 Source: NTT corporation*

**Decision:** The document was **revised to S4-221210**.

**S4-221210 Potential Solutions for FS\_eiRTCW**

*Type: discussion For: Agreement  
 Source: NTT corporation*

**Decision:** The document was **agreed**.

### 10.10 Others including TEI

**S4-220918 Protocol Stack for Telepresence UE**

*Type: CR For: Agreement  
 26.223 v.. CR-0024 Cat: F (Rel-17)  
  
 Source: Nokia Corporation*

(Replaces S4aR220012)

**Decision:** The document was **revised to S4-221203**.

**S4-220919 Protocol Stack for MTSI UE**

*Type: CR For: Agreement  
 26.114 v.. CR-0529 Cat: F (Rel-17)  
  
 Source: Nokia Corporation*

(Replaces S4aR220013)

**Decision:** The document was **revised to S4-221204**.

### 10.11 New Work / New Work Items and Study Items

**S4-220978 Multiparty RTT solution discussion**

*Type: WID new For: Discussion  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **agreed**.

### 10.12 Any Other Business

### 10.13 Close of the session

## 11 LSs received during the meeting and Postponed Liaisons (from A. I. 5)

## 12 Reports and general issues from sub-working-groups

### 12.1 Audio SWG

**S4-220914 Audio SWG Report during SA4#120-e**

*Type: report For: Approval  
 Source: Audio SWG Chairman*

**Decision:** The document was **approved**.

### 12.2 MBS SWG

**S4-220915 MBS SWG Report during SA4#120-e**

*Type: report For: Approval  
 Source: MBS SWG Chairman*

**Decision:** The document was **approved**.

### 12.3 RTC SWG

**S4-220916 RTC SWG Report during SA4#120-e**

*Type: report For: Approval  
 Source: RTC SWG Chairman*

**Decision:** The document was **approved**.

### 12.4 Video SWG

**S4-220917 Video SWG Report during SA4#120-e**

*Type: report For: Approval  
 Source: Video SWG Chairman*

**Decision:** The document was **approved**.

## 13 CRs to features in Release 17 and earlier

**S4-221124 [5MBUSA] Clarifications on domain model**

*Type: CR For: Agreement  
 26.502 v17.1.1 CR-0007 rev 1 Cat: F (Rel-17)  
  
 Source: BBC*

(Replaces S4-220928)

**Abstract:**

Clarifications and corrections resulting from CT3/CT4 feedback.

**Decision:** The document was **agreed**.

**S4-221117 [FS\_5GMS-EXT] Corrections of Traffic Identification sections**

*Type: CR For: Agreement  
 26.804 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: Ericsson GmbH, Eurolab*

(Replaces S4-221065)

**Decision:** The document was **agreed**.

**S4-221106 [EVEX] Miscellaneous corrections and clarifications**

*Type: CR For: Agreement  
 26.531 v17.0.0 CR-0001 rev 0001 Cat: F (Rel-17)  
  
 Source: BBC*

(Replaces S4-220929)

**Decision:** The document was **agreed**.

**S4-221107 [EVEX] TS 26.532 PUT/PATCH corrections**

*Type: CR For: discussion  
 26.532 v17.0.1 CR-0001 rev 0001 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated, BBC, Huawei*

(Replaces S4-220934)

**Decision:** The document was **agreed**.

**S4-221108 CR on subscription filters for 5GMS events**

*Type: CR For: Agreement  
 26.501 v17.2.0 CR-0040 rev 0001 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S4-221004)

**Decision:** The document was **agreed**.

**S4-221109 [EVEX] TS 26.532 Bug fixes regarding updating data collection and reporting configurations for data collection clients**

*Type: CR For: Agreement  
 26.532 v17.0.1 CR-0002 rev 0001 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

(Replaces S4-220944)

**Decision:** The document was **agreed**.

**S4-221110 [5GMS\_EDGE\_3, EVEX] Rel-17 API corrections**

*Type: CR For: Agreement  
 26.512 v17.1.2 CR-25 rev 1 Cat: F (Rel-17)  
  
 Source: BBC*

(Replaces S4-220927)

**Decision:** The document was **agreed**.

**S4-221114 [5GMS3] Rel-16 API corrections**

*Type: CR For: Agreement  
 26.512 v16.6.1 CR-0026 rev 1 Cat: F (Rel-16)  
  
 Source: BBC*

(Replaces S4-220930)

**Decision:** The document was **agreed**.

**S4-221130 [5MBUSA] New Annex on Data Model example instantiations**

*Type: draftCR For: Agreement  
 Source: Ericsson LM*

**Decision:** The document was **agreed**.

**S4-221144 [FS\_5GMS\_EXT] Correction to uplink streaming call flow for collaboration scenario 5**

*Type: CR For: Agreement  
 Source: Tencent Cloud*

(Replaces S4-221135)

**Decision:** The document was **agreed**.

**S4-221146 26.998 CR-0001 Corrections to TR 26.998 Rel17**

*Type: CR For: Agreement  
 26.998 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: Samsung Electronics, Co., LTD.*

**Decision:** The document was **revised to S4-221224**.

**S4-221147 CR on corrections to 26.955**

*Type: CR For: Agreement  
 26.955 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated, Ericsson LM*

**Decision:** The document was **agreed**.

**S4-221186 CR 26.131-0084 Missing definition of performance requirements for receive frequency response (electrical interface UE)**

*Type: HEAD acoustics GmbH For: discussion  
 Source: CR 26.131-0084 Missing definition of performance requirements for receive frequency response (electrical interface UE)*

**Decision:** The document was **agreed**.

**S4-221224 CR on corrections to TR 26.998**

*Type: CR For: Agreement  
 26.998 v17.0.0 CR-0001 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung*

**Decision:** The document was **agreed**.

## 14 Release 18 Features

### 14.1 ATIAS (Terminal Audio quality performance and Test methods for Immersive Audio Services)

### 14.2 IVAS\_Codec (EVS Codec Extension for Immersive Voice and Audio Services)

**S4-221101 IVAS Design Constraints (IVAS-4), v0.6.0**

*Type: discussion For: Agreement  
 Source: Editor (Huawei)*

**Decision:** The document was **agreed**.

**S4-221102 IVAS Permanent Document IVAS-8a: Test Plan for Selection Phase, v0.5.0**

*Type: discussion For: Agreement  
 Source: Editor (VoiceAge)*

**Decision:** The document was **agreed**.

**S4-221103 IVAS Performance Requirements (IVAS-3)? v0.2.0**

*Type: discussion For: Agreement  
 Source: Editor (Dolby)*

**Decision:** The document was **agreed**.

**S4-221104 IVAS codec development overview (IVAS-1), v0.5.0**

*Type: discussion For: Agreement  
 Source: Editor (Huawei)*

**Decision:** The document was **agreed**.

**S4-221105 IVAS Usage Scenarios (IVAS-9), v0.2.0**

*Type: discussion For: Agreement  
 Source: Editor (Nokia)*

**Decision:** The document was **Agreed**.

### 14.3 iRTCW (immersive Real-time Communication for WebRTC)

**S4-221200 iRTCW Time Plan v2.0.0**

*Type: other For: discussion  
 Source: NTT*

**Decision:** The document was **agreed**.

### 14.4 MeCAR (Media Capabilities for Augmented Reality)

**S4-221150 MeCAR Permanent Document v3**

*Type: other For: Agreement  
 Source: Xiaomi Commmunications (Rapporteur)*

**Decision:** The document was **agreed**.

**S4-221151 Updated Work Plan for MeCAR v2.0**

*Type: Work Plan For: Information  
 Source: Xiaomi Communications*

(Replaces S4-221044)

**Decision:** The document was **agreed**.

### 14.5 IBACS (IMS-based AR Conversational Services)

**S4-221202 Draft TS 26.264 v0.1.0**

*Type: CR For: Agreement  
 Source: Samsung Electronics GmbH*

**Decision:** The document was **agreed**.

**S4-221205 IBACS Timeplan v.0.0.1**

*Type: Work Plan For: Agreement  
 Source: KPN N.V.*

**Decision:** The document was **agreed**.

**S4-221212 IBACS Permanent Document v0.0.2**

*Type: discussion For: Agreement  
 Source: KPN N.V.*

**Decision:** The document was **agreed**.

### 14.6 eUET (Enhancements to UE Testing)

**S4-221028 Draft TS 26.130 Speech Audio Codec RTP Payload Format Conformance for UE Testing, v0.0.1**

*Type: draft TS For: Agreement  
 26.130 v0.0.1  
 Source: Editor (Orange)*

**Decision:** The document was **agreed**.

**S4-221187 Time plan for eUET, v0.1.0**

*Type: Work Plan For: discussion  
 Source: eUET Co-Rapporteurs (Orange, HEAD acoustics GmbH)*

**Decision:** The document was **agreed**.

**S4-221189 Draft TS 26.130 Speech Audio Codec RTP Payload Format Conformance for UE Testing, v0.1.0**

*Type: draftTS For: discussion  
 Source: Editor (Orange)*

**Decision:** The document was **agreed**.

### 14.7 GA4RTAR (Generic architecture for Real-Time and AR/MR media)

**S4-220986 [GA4RTAR] Proposed Time plan**

*Type: Work Plan For: Agreement  
 Source: SAMSUNG R&D INSTITUTE JAPAN*

**Decision:** The document was **agreed**.

**S4-221199 [GA4RTAR] Proposed Draft of TS 26.506 v0.1.0**

*Type: draftTS For: Agreement  
 26.506 v0.1.0  
 Source: SAMSUNG R&D INSTITUTE JAPAN*

(Replaces S4-220985)

**Decision:** The document was **agreed**.

### 14.8 SR\_MSE (Split Rendering Media Service Enabler)

**S4-221085 Skeleton for TS26.565**

*Type: draft TS For: Agreement  
 26.565 v0.0.1  
 Source: Qualcomm Technologies Ireland*

**Decision:** The document was **agreed**.

**S4-221126 SR\_MSE (Split Rendering Media Service Enabler) Time Plan**

*Type: Work Plan For: Agreement  
 Source: Rapporteur*

**Decision:** The document was **agreed**.

### 14.9 5G\_RTP (5G Real-time Transport Protocols)

**S4-221208 5G\_RTP Timeplan v. 0.0.2**

*Type: Work Plan For: Agreement  
 Source: Nokia Italy*

**Decision:** The document was **agreed**.

**S4-221209 5G\_RTP Permanent Document v. 0.0.2**

*Type: discussion For: Agreement  
 Source: Nokia Italy*

**Decision:** The document was **agreed**.

### 14.10 5GMSA\_Ph2 (5G Media Streaming Architecture Phase2)

**S4-221143 [5GMSA\_Ph2] Proposed Workplan**

*Type: Work Plan For: Agreement  
 Source: Tencent Cloud*

**Decision:** The document was **agreed**.

### 14.11 TEI18 and any other Rel-18 documents

**S4-221203 Protocol Stack for Telepresence UE**

*Type: CR For: Agreement  
 Source: Nokia Corporation*

**Decision:** The document was **revised to S4-221213**.

**S4-221204 Protocol Stack for MTSI UE**

*Type: CR For: Agreement  
 Source: Nokia Corporation*

**Decision:** The document was **revised to S4-221214**.

**S4-221213 Protocol Stack for Telepresence UE**

*Type: CR For: Agreement  
 Source: Nokia Corporation*

(Replaces S4-221203)

**Decision:** The document was **agreed**.

**S4-221214 Protocol Stack for MTSI UE**

*Type: CR For: Agreement  
 Source: Nokia Corporation*

(Replaces S4-221204)

**Decision:** The document was **agreed**.

## 15 Study Items

### 15.1 FS\_XRTraffic (Feasibility Study on Typical Traffic Characteristics for XR Services and other Media)

**S4-220974 [FS\_XRTraffic] Proposed Updated Time Plan**

*Type: Work Plan For: Agreement  
 Source: Qualcomm incorporated*

**Decision:** The document was **agreed**.

**S4-221170 Draft TR 26.926 v1.2.0**

*Type: Draft TR For: Agreement  
 Source: Qualcomm incorporated (Rapporteur)*

(Replaces   S4-220973)

**Decision:** The document was **agreed**.

### 15.2 FS\_5G\_MSE (Feasibility Study on 5G Media Service Enablers)

**S4-220964 [FS\_5G\_MSE] Proposed Updated Work Plan**

*Type: Work Plan For: Agreement  
 Source: Qualcomm incorporated*

**Decision:** The document was **agreed**.

**S4-221138 Draft TR 26.857 0.4.0**

*Type: other For: discussion  
 Source: Multicast-Broadcast-Streaming (MBS) SWG*

**Decision:** The document was **agreed**.

### 15.3 FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media)

**S4-221021 [FS\_AI4Media] Proposed Updated Time and Work Plan**

*Type: Work Plan For: Agreement  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **agreed**.

**S4-221160 [FS\_AI4Media] Permanent Document v0.4**

*Type: other For: Agreement  
 Source: Samsung Electronics (Rapporteur)*

**Decision:** The document was **agreed**.

### 15.4 FS\_eiRTCW (Feasibility Study on the enhancements for immersive Real-time Communication for WebRTC)

**S4-221201 FS\_eiRTCW Time Plan v2.0.0**

*Type: other For: discussion  
 Source: NTT*

**Decision:** The document was **agreed**.

**S4-221211 FS\_eiRTCW Permanent Document**

*Type: discussion For: Agreement  
 Source: NTT corporation*

**Decision:** The document was **agreed**.

### 15.5 FS\_SmarTAR (Feasibility Study on Smartly Tethering AR Glasses)

**S4-221128 [FS\_SmarTAR] Proposed Updated Work Plan**

*Type: Work Plan For: Agreement  
 Source: Qualcomm incorporated*

**Decision:** The document was **agreed**.

**S4-221127 Draft TR 26.806 v0.3.0**

*Type: draft TR For: discussion  
 26.806 v0.0.3  
 Source: Editor*

**Decision:** The document was **agreed**.

### 15.6 FS\_MS\_NS\_Ph2 (Study on Media Streaming aspects of Network Slicing Phase 2)

**S4-221056 [FS\_MS\_NS\_Ph2] Proposed Updated Time and Work Plan**

*Type: Work Plan For: Agreement  
 Source: Samsung Research America*

**Decision:** The document was **agreed**.

**S4-221134 [FS\_MS\_NS\_Ph2] Draft TR 26.941 version 0.2.0**

*Type: discussion For: Agreement  
 Source: Samsung Research America*

**Decision:** The document was **revised to S4-221173**.

**S4-221173 [FS\_MS\_NS\_Ph2] Draft TR 26.941 version 0.2.0**

*Type: discussion For: Agreement  
 Source: Samsung Research America*

(Replaces S4-221134)

**Decision:** The document was **agreed**.

### 15.7 FS\_ARMRQoE (Feasibility Study on AR and MR QoE Metrics)

**S4-221165 Draft TR 26.812 v0.1.0**

*Type: draft TR For: Agreement  
 Source: China Unicom (editor)*

**Decision:** The document was **agreed**.

**S4-221166 Work Plan for the study on ARMR QoE metrics V1.0**

*Type: Work plan For: discussion  
 Source: China Unicom*

(Replaces  S4-221009)

**Decision:** The document was **agreed**.

### 15.8 FS\_Audio\_5GSTAR (Feasibility Study on Audio Aspects for 5G Glasses-type AR/MR Devices)

**S4-221188 Draft time plan for FS\_Audio\_5GSTAR, v0.1**

*Type: Work Plan For: discussion  
 Source: Rapporteur (Orange)*

**Decision:** The document was **agreed**.

## 16 Work Items and Study Items under the responsibility of other TSGs/WGs impacting SA4 work

## 17 New Work / New Work Items and Study Items

**S4-220927 [5GMS\_EDGE\_3, EVEX] Rel-17 API corrections**

*Type: CR For: Agreement  
 26.512 v17.1.2 CR-0025 Cat: F (Rel-17)  
  
 Source: BBC*

(Replaces S4aI221351)

**Abstract:**

Correcting a number of technical errors detected in CR0020, CR0021 and CR0023.

**Decision:** The document was **revised to S4-221110**.

**S4-221190 Draft SID on diverse audio capturing system for end-user devices**

*Type: discussion For: Agreement  
 Source: Xiaomi Technology*

**Abstract:**

Draft SID discussion

**Discussion:**

Wang Bin from Xiaomi presented this document.

Stefan Bruhn from Dolby laboratories rasied concerns about the scope and feasibility of the work mentioned in this SID.

Wang Bin from Xiaomi replied that IVAS also requires manufacturer to use their own renderer. Further ATIAS can be used as a test method for evaluation.

Tomas Toftgard from Ericsson LM mentioned that, more understanding is needed for the device category.

Wang Bin from Xiaomi replied immersive audio capture is quite challenging and its for the manufacturer to know what kind of hardware should be needed.

Fabrice Plantice from Apple had some concerns as several points on this SID is covered in other ongoing WIDs. So, there could be more contirbutions towards thos WIDs instead of raising a new SID.

Wang Bin from Xiaomi replied that it is a basic study on the immersive audio capturing and this is to create a reference that all the comapnies that want to develop immersive audio could follow at a later stage.

Mary Luc from Xiaomi added to the discussion by mentioning that, this SID aims to study all the diverse audio capturing mechanisms as well as to look at the existing methodologies.

Hearing different views from delegates, the SA4 Chairman decided to get this document 'Noted'.

**Decision:** The document was **noted**.

## 18 Postponed issues

## 19 Review of the future work plan (next meeting dates, hosts)

# During the meeting, it was agreed to grant special power to decide (to receive and send LSs during Adhoc conference call for Video SWG ) on LSs regarding XRTraffic: FS\_XRM (SA2), FS\_NR\_XR\_enh (RAN2) and equivalent in RAN1, grant power to receive/send LSs. The assigned LSs shall be announced 7 days ahead of the telco on the main SA4 reflector.

# It was also agreed to grant special power to decide (to send and receive LSs during Adhoc conference calls for MBS SWG) on LSs regarding 5MBS/EVEX related LSs in other WG. Assigned LSs will be announced 7 days ahead of the telco on the SA4 reflector.

|  |  |  |
| --- | --- | --- |
| Future Meetings | Dates | Venue and Host |
| SA4#121(provisioned as a F2F meeting as of today) | F2F: 14-18 November 2022 | Venue: Toulouse, France  Host: EF3 |
| SA4#122(provisioned as a F2F meeting as of today) | F2F: 20-24 February 2023 | Host: TBD, Venue: TBD |

## 20 Any Other Business

**S4-221223 Invitation to DASH-IF Reunion Reception at IBC 2022**

*Type: other For: Information  
 Source: Tencent, Qualcomm Incorporated*

**Decision:** The document was **noted**.

## 21 Close of meeting: Friday 26th August at 18:00 hours CEST (at the latest)

The RTC SWG Chair Nikolai Leung along with the SA4 Chair Frederic Gabin, Vice Chair Gilles Tenieu and the SA4 leadership extended a warm thank you note to the outgoing Secretary of the meeting. The SA4 delegates were also delighted to join the meeting session. With no other items left to be discussed, the SA4#120-e ended on a happy note. The delegates look forward for a face to face meeting in November, 2022.

For more updates regarding the venue of the meeting, SA4 Secretary requested the delegates to please contact MCC support henceforth.

Report prepared by the 3GPP SA4 Secretary, Ms. Jayeeta Saha.

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Type** | **Secretary Remarks** | **Agenda item** | **TDoc Status** | **Is revision of** | **Revised to** |
| [**S4-220901**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220901.zip) | Draft Agenda for SA4#120-e | 3GPP MCC | agenda |  | 2 | revised |  | [**S4-221000**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354216) |
| [**S4-220902**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220902.zip) | Previous Meeting Report by MCC | 3GPP MCC | report |  | 4 | revised |  | [**S4-221096**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1356076) |
| [**S4-220903**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220903.zip) | Proposed Draft Schedule for SA4#120-e | SA4 Chairman | other |  | 6 | revised |  | [**S4-221221**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361368) |
| [**S4-220904**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220904.zip) | Reply LS on multiparty Real-time Text (RTT) in conference calling C1-223991 | 3GPP CT1 | LS in |  | 5.2 | noted |  |  |
| [**S4-220905**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220905.zip) | Reply LS on UE capabilities for NR QoE | 3GPP CT1 | LS in |  | 5.2 | noted |  |  |
| [**S4-220906**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220906.zip) | Reply LS on NR QoE | 3GPP CT1 | LS in |  | 5.2 | noted |  |  |
| [**S4-220907**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220907.zip) | Reply LS on Data Reporting API | 3GPP CT3 | LS in |  | 5.2 | replied to |  |  |
| [**S4-220908**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220908.zip) | LS on Priority given to Rel-17 LSs from CT | 3GPP CT | LS in |  | 5.2 | noted |  |  |
| [**S4-220909**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220909.zip) | LS on questions on RAN visible QoE | 3GPP RAN2 | LS in |  | 5.2 | replied to |  |  |
| [**S4-220910**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220910.zip) | Reply to LS to 3GPP SA2 on VoLTE Roaming GBR Handling | 3GPP SA2 | LS in |  | 5.2 | replied to |  |  |
| [**S4-220911**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220911.zip) | Reply LS on Traffic Identification within 5G Media Streaming | 3GPP SA2 | LS in |  | 5.2 | noted |  |  |
| [**S4-220912**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220912.zip) | Reply LS on LS to CT3 and SA2 on EVEX | 3GPP SA2 | LS in |  | 5.2 | replied to |  |  |
| [**S4-220913**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220913.zip) | Reply LS on the impact of MSK update on MBS multicast session update procedure | 3GPP SA2 | LS in |  | 5.2 | noted |  |  |
| [**S4-220914**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220914.zip) | Audio SWG Report during SA4#120-e | Audio SWG Chairman | report |  | 12.1 | **approved** |  |  |
| [**S4-220915**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220915.zip) | MBS SWG Report during SA4#120-e | MBS SWG Chairman | report |  | 12.2 | **approved** |  |  |
| [**S4-220916**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220916.zip) | RTC SWG Report during SA4#120-e | RTC SWG Chairman | report |  | 12.3 | **approved** |  |  |
| [**S4-220917**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220917.zip) | Video SWG Report during SA4#120-e | Video SWG Chairman | report |  | 12.4 | **approved** |  |  |
| [**S4-220918**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220918.zip) | Protocol Stack for Telepresence UE | Nokia Corporation | CR |  | 10.10 | revised | [**S4aR220012**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1341021) |  |
| [**S4-220919**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220919.zip) | Protocol Stack for MTSI UE | Nokia Corporation | CR |  | 10.10 | revised | [**S4aR220013**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1341022) |  |
| [**S4-220920**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220920.zip) | IVAS Permanent Document IVAS-8a: Test Plan for Selection Phase, v.0.4.1 | VoiceAge Corporation | discussion |  | 7.5 | agreed |  |  |
| [**S4-220921**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220921.zip) | Proposal to include designs of recent VoiceAge DCR test experiments in Appendix I of IVAS-8a | VoiceAge Corporation | discussion |  | 7.5 | agreed |  |  |
| [**S4-220922**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220922.zip) | Report for SA4 RTC SWG 13 July 2022 Teleconference | Qualcomm Incorporated | report |  | 5.1 | **approved** |  |  |
| [**S4-220923**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220923.zip) | Report for SA4 RTC SWG 27 July 2022 Teleconference | Qualcomm Incorporated | report |  | 5.1 | **approved** |  |  |
| [**S4-220924**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220924.zip) | Report for SA4 RTC SWG 3 August 2022 Teleconference | Qualcomm Incorporated | report |  | 5.1 | **approved** |  |  |
| [**S4-220925**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220925.zip) | FS\_eiRTCW Permanent Document | NTT corporation | other |  | 10.9 | revised |  |  |
| [**S4-220926**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220926.zip) | Potential Solutions for FS\_eiRTCW | NTT corporation | other |  | 10.9 | revised |  |  |
| [**S4-220927**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220927.zip) | [5GMS\_EDGE\_3, EVEX] Rel-17 API corrections | BBC | CR |  | 17 | revised | [**S4aI221351**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1343686) | [**S4-221110**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361257) |
| [**S4-220928**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220928.zip) | [5MBUSA] Clarifications on domain model | BBC | CR |  | 8.5 | revised | [**S4aI221361**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1344198) | [**S4-221124**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361271) |
| [**S4-220929**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220929.zip) | [EVEX] Miscallaneous corrections and clarifications | BBC | CR |  | 8.4 | revised | [**S4aI221359**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1344016) | [**S4-221106**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361253) |
| [**S4-220930**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220930.zip) | [5GMS3] Rel-16 API corrections | BBC | CR |  | 8.5 | revised |  | [**S4-221114**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361261) |
| [**S4-220931**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220931.zip) | Meeting Report 3GPP SA4 MBS SWG Telco (August 4, 2022) | Qualcomm CDMA Technologies | report |  | 5.1 | **approved** |  |  |
| [**S4-220932**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220932.zip) | Dynamic 3D representation use cases and requirements | Nokia Corporation | discussion |  | 10.5 | revised | [**S4aR220024**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1343996) | [**S4-221193**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361340) |
| [**S4-220933**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220933.zip) | Draft Reply LS to CT3 on Data Reporting API | 3GPP SA4 | LS out |  | 8.4 | revised |  | [**S4-221113**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361260) |
| [**S4-220934**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220934.zip) | [EVEX] TS 26.532 PUT/PATCH corrections | Qualcomm Incorporated, BBC, Huawei | CR |  | 8.4 | revised |  | [**S4-221107**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361254) |
| [**S4-220935**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220935.zip) | Candidate 2D video capabilities for MeCAR | InterDigital, Inc. | discussion |  | 9.5 | revised |  | [**S4-221152**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361299) |
| [**S4-220936**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220936.zip) | Interest of transparency information in the context of MeCAR Edgar Architecture | InterDigital, Inc. | discussion |  | 9.5 | revised |  | [**S4-221153**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361300) |
| [**S4-220937**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220937.zip) | [5MBUSA] Modifications to reference architecture | BBC | draftCR |  | 8.5 | noted |  |  |
| [**S4-220938**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220938.zip) | Summary for 5MBUSA “5G multicast-broadcast services User Service architecture” | TELUS | WI summary |  | 8.14 | noted | [**S4-220730**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1332525) |  |
| [**S4-220939**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220939.zip) | [iRTCW] updated WID | Meta USA | WID revised |  | 10.5 | withdrawn |  |  |
| [**S4-220940**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220940.zip) | [iRTCW] permanent document v0.14 | Meta USA | other |  | 10.5 | withdrawn |  |  |
| [**S4-220941**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220941.zip) | [iRTCW] time and work plan v0.14 | Meta USA | Work Plan |  | 10.5 | withdrawn |  |  |
| [**S4-220942**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220942.zip) | [iRTCW] draft introduction to TS 26.113 | Meta USA | discussion |  | 10.5 | withdrawn |  |  |
| [**S4-220943**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220943.zip) | [EVEX] TS 26.531 Clarifications on Data Access Profile description in clause 4.5.2 | Qualcomm Incorporated | CR |  | 8.5 | postponed |  |  |
| [**S4-220944**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220944.zip) | [EVEX] TS 26.532 Bug fixes regarding updating data collection and reporting configurations for data collection clients | Qualcomm Incorporated | CR |  | 8.5 | revised |  | [**S4-221109**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361256) |
| [**S4-220945**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220945.zip) | Requirements for the WebRTC Signaling Protocol | Qualcomm Technologies Ireland | discussion |  | 10.5 | revised |  | [**S4-221194**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361341) |
| [**S4-220946**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220946.zip) | A proposed RTC architecture | Qualcomm Technologies Ireland | discussion |  | 10.7 | revised |  |  |
| [**S4-220947**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220947.zip) | [FS\_XRTraffic] Discussion on XR Traffic Model | vivo Mobile Communication (S) | discussion |  | 9.6 | noted |  |  |
| [**S4-220948**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220948.zip) | [5MBUSA] On MBS Security | Qualcomm incorporated | discussion |  | 8.5 | conditionally agreed |  |  |
| [**S4-220949**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220949.zip) | [5MBP3] Updates to Delivery Methods | Qualcomm incorporated | draftCR | Late submission | 8.5 | noted |  |  |
| [**S4-220950**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220950.zip) | [5GMSA\_Ph2] End-to-end low latency live streaming | Qualcomm incorporated | draftCR |  | 8.7 | revised |  | [**S4-221125**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361272) |
| [**S4-220951**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220951.zip) | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm incorporated | draftCR |  | 8.7 | revised |  | [**S4-221141**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361288) |
| [**S4-220952**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220952.zip) | [5GMSA\_Ph2] 5GMS via MBS and Hybrid services - Procedures | Qualcomm incorporated | draftCR |  | 8.7 | revised |  | [**S4-221140**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361287) |
| [**S4-220953**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220953.zip) | [5GMSA\_Ph2] Hybrid DASH/HLS operation | Qualcomm incorporated | draftCR |  | 8.7 | revised |  |  |
| [**S4-220954**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220954.zip) | [FS\_5G\_MSE] Editor's Proposed Update of TR 26.857 | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | revised |  |  |
| [**S4-220955**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220955.zip) | [FS\_5G\_MSE] Example 5GMS Media Player | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220956**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220956.zip) | [FS\_5G\_MSE] Example 5GMS Media Session Handler | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220957**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220957.zip) | [FS\_5G\_MSE] Example SA6 Application Enabler Frameworks | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220958**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220958.zip) | [FS\_5G\_MSE] Example Khronos OpenXR | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220959**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220959.zip) | [FS\_5G\_MSE] MSE framework proposal and comparison | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220960**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220960.zip) | [FS\_5G\_MSE] MSE Specification Framework | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220961**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220961.zip) | [FS\_5G\_MSE] Writing MSE Specifications: Style Guides and Tools | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220962**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220962.zip) | [FS\_5G\_MSE] Potentially Relevant 5G Media Service Enablers | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220963**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220963.zip) | [FS\_5G\_MSE] Initial Conclusions and Recommendations | Qualcomm incorporated | pCR | Merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220964**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220964.zip) | [FS\_5G\_MSE] Proposed Updated Work Plan | Qualcomm incorporated | Work Plan |  | 15.2 | agreed |  |  |
| [**S4-220965**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220965.zip) | [FS\_SmarTAR] Proposed Updated Work Plan | Qualcomm incorporated | Work Plan |  | 8.8 | revised |  |  |
| [**S4-220966**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220966.zip) | [FS\_SmarTAR] Editor's Proposed Update of TR 26.806 | Qualcomm incorporated | pCR |  | 8.9 | agreed |  |  |
| [**S4-220967**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220967.zip) | [FS\_SmarTAR] Updates to Stand-Alone Architecture and Media Handling | Qualcomm incorporated | pCR |  | 8.9 | agreed |  |  |
| [**S4-220968**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220968.zip) | [FS\_SmarTAR] Split-Runtime Architecture and Media Handling | Qualcomm incorporated | pCR |  | 8.8 | agreed |  |  |
| [**S4-220969**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220969.zip) | [FS\_SmarTAR] Updated Call Flows | Qualcomm incorporated | pCR |  | 8.9 | agreed |  |  |
| [**S4-220970**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220970.zip) | [TEI] Discussion on Emergency Alerts for 5G Broadcast | Qualcomm incorporated | discussion |  | 8.12 | noted |  |  |
| [**S4-220971**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220971.zip) | [FS\_5GVideo] Miscellaneous Corrections | Qualcomm incorporated | draftCR |  | 9.4 | agreed |  |  |
| [**S4-220972**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220972.zip) | [MeCAR] Considerations on Split-Runtime Architecture and Media Handling | Qualcomm incorporated | discussion |  | 9.5 | revised |  | [**S4-221161**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361308) |
| [**S4-220973**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220973.zip) | [FS\_XRTraffic] Proposed Updates to TR 26.926 | Qualcomm incorporated | pCR |  | 9.6 | revised |  | [**S4-221170**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361317) |
| [**S4-220974**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220974.zip) | [FS\_XRTraffic] Proposed Updated Time Plan | Qualcomm incorporated | Work Plan |  | 15.1 | agreed |  |  |
| [**S4-220975**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220975.zip) | Follow-up on TR 26.955: HEVC Improvements | Qualcomm incorporated | discussion |  | 9.9 | noted |  |  |
| [**S4-220976**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220976.zip) | Introduction to the METAVERSE STANDARDS FORUM | Qualcomm incorporated | discussion |  | 6 | noted |  |  |
| [**S4-220977**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220977.zip) | AR media types and transport discussion for MeCAR | HuaWei Technologies Co., Ltd | discussion |  | 9.5 | revised |  | [**S4-221156**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361303) |
| [**S4-220978**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220978.zip) | Multiparty RTT solution discussion | HuaWei Technologies Co., Ltd | WID new |  | 10.11 | agreed |  |  |
| [**S4-220979**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220979.zip) | Missing definition of performance requirements for receive frequency response (electrical interface UE) | HEAD acoustics GmbH | draftCR |  | 7.3 | revised |  |  |
| [**S4-220980**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220980.zip) | Note for TS 26.114 PDF location | Meta USA | discussion |  | 6 | withdrawn |  |  |
| [**S4-220981**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220981.zip) | IMS4AR Timeplan v.0.0.1 | KPN N.V. | Work Plan |  | 10.6 | revised |  |  |
| [**S4-220982**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220982.zip) | IMS4AR Permanent Document | KPN N.V. | Work Plan |  | 10.6 | revised |  |  |
| [**S4-220983**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220983.zip) | [GA4RTAR] Initial sketch of architecture | SAMSUNG R&D INSTITUTE JAPAN | discussion |  | 10.7 | merged |  |  |
| [**S4-220984**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220984.zip) | [GA4RTAR] pCR on Scope (clause 1) of TS 26.506 | SAMSUNG R&D INSTITUTE JAPAN | discussion |  | 10.7 | revised |  | [**S4-221198**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361345) |
| [**S4-220985**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220985.zip) | [GA4RTAR] Proposed Draft of TS 26.506 v0.1.0 | SAMSUNG R&D INSTITUTE JAPAN | discussion |  | 10.7 | revised |  | [**S4-221199**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361346) |
| [**S4-220986**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220986.zip) | [GA4RTAR] Proposed Time plan | SAMSUNG R&D INSTITUTE JAPAN | Work Plan |  | 14.7 | agreed |  |  |
| [**S4-220987**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220987.zip) | dCR for corrections in TR 26.998 | SAMSUNG R&D INSTITUTE JAPAN | draftCR |  | 9.4 | agreed |  |  |
| [**S4-220988**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220988.zip) | Discussion on the usage of 5GMS for iRTCW | Intel Sweden AB | discussion |  | 10.5 | revised | [**S4-220645**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1331392) |  |
| [**S4-220989**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220989.zip) | [5GMSA-Ph2] Uplink high level procedure | Tencent Cloud | draftCR |  | 8.7 | revised |  | [**S4-221142**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361289) |
| [**S4-220990**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220990.zip) | [5GMSA\_Ph2] Uplink collaboration scenarios | Tencent Cloud | draftCR |  | 8.7 | merged |  |  |
| [**S4-220991**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220991.zip) | [5GMSA\_Ph2] Proposed Workplan | Tencent Cloud | Work Plan |  | 8.7 | revised |  |  |
| [**S4-220992**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220992.zip) | Guidelines for 3GPP SA4#120-e as Electronic Meeting | SA4 Chair | other |  | 2 | noted |  |  |
| [**S4-220993**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220993.zip) | [FS\_5G\_MSE] Proposed update to 4.3 | Tencent Cloud | pCR | merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-220994**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220994.zip) | Brief report from SA#96 on SA4 topics | SA4 chair | report |  | 5.2 | noted |  |  |
| [**S4-220995**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220995.zip) | Report of SA4 MBS SWG AH Telco (30th June 2022) | MBS SWG Chair | report |  | 5.1 | **approved** |  |  |
| [**S4-220996**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220996.zip) | Report of SA4 MBS SWG AH Telco (7th July 2022) | MBS SWG Chair | report |  | 5.1 | **approved** |  |  |
| [**S4-220997**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220997.zip) | Report of SA4 MBS SWG AH Telco (28th July 2022) | MBS SWG Chair | report |  | 5.1 | **approved** |  |  |
| [**S4-220998**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-220998.zip) | [FS\_5G\_MSE] MSE framework update (4.2) | Tencent Cloud | pCR | merged with S4-221131 | 8.8 | merged |  |  |
| S4-220999 | Report of SA4 MBS SWG AH Telco (4th August 2022) | MBS SWG Chair | report |  | 5.1 | withdrawn |  |  |
| [**S4-221000**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221000.zip) | Draft Agenda for SA4#120-e | SA4 Chair | agenda |  | 2 | revised | [**S4-220901**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1343415) | [**S4-221098**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361245) |
| [**S4-221001**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221001.zip) | [FS\_5G\_MSE] Potential solutions | Tencent Cloud | pCR | merged with S4-221131 | 8.8 | merged |  |  |
| [**S4-221002**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221002.zip) | [FS\_5G\_MSE] Media Service Enablers: are we there yet? | Tencent Cloud | discussion |  | 8.8 | noted |  |  |
| [**S4-221003**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221003.zip) | Collection of current work on ARMR QoE in ITU-T | Huawei, Hisilicon, China Unicom | pCR |  | 9.8 | revised |  | [**S4-221163**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361310) |
| [**S4-221004**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221004.zip) | CR on subscription filters for 5GMS events | Huawei, Hisilicon | CR |  | 8.4 | revised |  | [**S4-221108**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361255) |
| [**S4-221005**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221005.zip) | DRAFT Relpy LS on questions on RAN visible QoE | 3GPP SA4 | LS out |  | 8.3 | revised |  |  |
| [**S4-221006**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221006.zip) | Draft Reply LS to SA5 on study on KQIs for 5G service experience | 3GPP SA4 | LS out |  | 8.3 | revised |  |  |
| [**S4-221007**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221007.zip) | Network Slicing in SA2 | Huawei, HiSilicon | pCR |  | 8.10 | revised |  |  |
| [**S4-221008**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221008.zip) | [FS\_ARMRQoE] TR 26.812 skeleton v0.0.1 | China Unicom | draft TR |  | 9.8 | revised |  | [**S4-221164**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361311) |
| [**S4-221009**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221009.zip) | Work Plan for the study on ARMR QoE metrics V1.0 | China Unicom | Work Plan |  | 9.8 | revised |  | [**S4-221166**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361313) |
| [**S4-221010**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221010.zip) | AR/MR Application Classification for IMS4AR | HuaWei Technologies Co., Ltd | discussion |  | 10.6 | agreed |  |  |
| [**S4-221011**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221011.zip) | On applicability of vehicle hands-free UE | HEAD acoustics GmbH | discussion |  | 7.7 | noted |  |  |
| [**S4-221012**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221012.zip) | Functional Requirements for Avatar Driven | China Mobile Com. Corporation | discussion |  | 10.5 | revised |  | [**S4-221196**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361343) |
| [**S4-221013**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221013.zip) | [IBACS]AR Web Applications | China Mobile Com. Corporation | discussion |  | 10.6 | noted |  |  |
| S4-221014 | [IBACS]AR Web Applications | China Mobile Com. Corporation | discussion |  | 10.6 | withdrawn |  |  |
| S4-221015 | [IBACS]AR Web Applications | China Mobile Com. Corporation | discussion |  | 10.6 | withdrawn |  |  |
| S4-221016 | [IBACS]AR Web Applications | China Mobile Com. Corporation | discussion |  | 10.6 | withdrawn |  |  |
| [**S4-221017**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221017.zip) | Draft TS 26.264 v0.0.1 | Samsung Electronics GmbH | discussion |  | 10.6 | revised |  |  |
| [**S4-221018**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221018.zip) | Draft Audio SWG Agenda | Audio SWG Chair | agenda |  | 7.1 | agreed |  |  |
| [**S4-221019**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221019.zip) | Initial measurement results for eUET | HEAD acoustics GmbH | discussion |  | 7.7 | noted |  |  |
| [**S4-221020**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221020.zip) | Draft Report on Audio SWG Call on 27 June 2022 | Qualcomm Austria RFFE GmbH | report |  | 5.1 | **approved** |  |  |
| [**S4-221021**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221021.zip) | [FS\_AI4Media] Proposed Updated Time and Work Plan | Samsung Electronics Benelux BV | Work Plan |  | 15.3 | agreed |  |  |
| [**S4-221022**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221022.zip) | [FS\_AI4Media] Permanent Document v0.3 | Samsung Electronics Benelux BV | discussion |  | 9.7 | agreed |  |  |
| [**S4-221023**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221023.zip) | [FS\_AI4Media] Edits to section on use cases and scenarios | Samsung Electronics Benelux BV | discussion |  | 9.7 | revised |  | [**S4-221157**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361304) |
| [**S4-221024**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221024.zip) | [FS\_AI4Media] Service architecture for split AIML inference with uplink | Samsung Electronics Benelux BV | discussion |  | 9.7 | revised |  | [**S4-221158**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361305) |
| [**S4-221025**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221025.zip) | [FS\_AI4Media] Related work in 3GPP | Samsung Electronics Benelux BV | pCR |  | 9.7 | revised |  | [**S4-221159**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361306) |
| [**S4-221026**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221026.zip) | On IVAS direct headphone presentation | Orange | discussion |  | 7.5 | agreed |  |  |
| [**S4-221027**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221027.zip) | On binaural rendering | Orange | discussion |  | 7.5 | agreed |  |  |
| [**S4-221028**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221028.zip) | Draft TS 26.130 Speech Audio Codec RTP Payload Format Conformance for UE Testing, v0.0.1 | Editor (Orange) | draft TS |  | 14.6 | agreed |  |  |
| [**S4-221029**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221029.zip) | Proposed RTP payload conformance tests | Orange | pCR |  | 7.7 | revised |  |  |
| [**S4-221030**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221030.zip) | Example setup for RTP payload conformance tests | Orange | discussion |  | 7.7 | noted |  |  |
| [**S4-221031**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221031.zip) | Review of existing JBM test cases in TS 26.131 and 26.132 | Orange | discussion |  | 7.7 | noted |  |  |
| [**S4-221032**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221032.zip) | Proposed tests for JBM behaviour evaluation | Orange | discussion |  | 7.7 | noted |  |  |
| [**S4-221033**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221033.zip) | dCR26.131 New unit tests for JBM performance | Orange | draftCR |  | 7.7 | noted |  |  |
| [**S4-221034**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221034.zip) | Corrections and new unit tests for JBM performance | Orange | draftCR |  | 7.7 | noted |  |  |
| [**S4-221035**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221035.zip) | Editorial review of TR 26.998 on audio aspects | Rapporteur (Orange) | draftCR |  | 7.8 | noted |  |  |
| [**S4-221036**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221036.zip) | On processing flow and observation point | Samsung Electronics Czech | discussion |  | 9.5 | revised |  | [**S4-221155**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361302) |
| [**S4-221037**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221037.zip) | On MR split rendering information | Samsung Electronics Czech | discussion |  | 9.5 | revised |  | [**S4-221154**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361301) |
| [**S4-221038**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221038.zip) | On display capability of AR glasses | Samsung Electronics Czech | discussion |  | 9.5 | revised |  | [**S4-221149**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361296) |
| [**S4-221039**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221039.zip) | [FS\_AI4Media] Architectures and service flows updates | InterDigital Finland Oy | discussion | Merged with S4-221158 | 9.7 | merged |  |  |
| [**S4-221040**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221040.zip) | [FS\_AI4Media] Object Recognition in Image and Video use-case update | InterDigital Finland Oy | discussion |  | 9.7 | revised |  | [**S4-221167**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361314) |
| [**S4-221041**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221041.zip) | [FS\_AI4Media] Split topologies update | InterDigital Finland Oy | discussion |  | 9.7 | agreed |  |  |
| [**S4-221042**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221042.zip) | [FS\_AI4Media] Updates to definitions | InterDigital Finland Oy | discussion |  | 9.7 | revised |  | [**S4-221168**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361315) |
| [**S4-221043**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221043.zip) | [FS\_AI4Media] New Neural Network hybrid coding use-case | InterDigital Finland Oy | discussion |  | 9.7 | revised |  | [**S4-221171**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361318) |
| [**S4-221044**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221044.zip) | Updated Work Plan for MeCAR v2.0 | Xiaomi Communications | Work Plan |  | 9.5 | revised |  | [**S4-221151**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361298) |
| [**S4-221045**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221045.zip) | Description of the AR rendering process | Qualcomm Technologies Ireland | discussion |  | 9.5 | revised |  |  |
| [**S4-221046**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221046.zip) | Proposal of a new Example Usage Scenario | Xiaomi Technology | discussion |  | 7.5 | agreed | [**S4aA220006**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1342381) |  |
| [**S4-221047**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221047.zip) | On end-to-end immersive audio solution for end-user devices | Xiaomi Technology | discussion |  | 7.9 | noted |  |  |
| [**S4-221048**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221048.zip) | Draft SID on diverse audio capturing system for end-user devices | Xiaomi Technology | SID new |  | 7.9 | noted | [**S4-220696**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1332388) |  |
| [**S4-221049**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221049.zip) | Proposed Default BRIR Set for IVAS | Fraunhofer IIS | discussion |  | 7.5 | agreed |  |  |
| [**S4-221050**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221050.zip) | Reference use case and call flow for AR call | Qualcomm Technologies Ireland | discussion |  | 10.6 | noted |  |  |
| [**S4-221051**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221051.zip) | [5MBUSA] Correction of missing procedures and events | Ericsson LM, BBC | draftCR |  | 8.5 | merged |  |  |
| [**S4-221052**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221052.zip) | [5MBUSA] Correction of the User Service Provisioning call flow wrt usage of QoS | Ericsson LM | draftCR |  | 8.5 | noted |  |  |
| [**S4-221053**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221053.zip) | [5MBUSA] New Annex on Data Model example instantiations | Ericsson LM | draftCR |  | 8.5 | revised |  |  |
| [**S4-221054**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221054.zip) | iRTCW client functional components and architecture | InterDigital Communications | discussion |  | 10.5 | revised |  | [**S4-221197**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361344) |
| [**S4-221055**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221055.zip) | [FS\_MS\_NS\_Ph2] Draft TR 26.941 version 0.1.0 | Samsung Research America | discussion |  | 8.10 | agreed |  |  |
| [**S4-221056**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221056.zip) | [FS\_MS\_NS\_Ph2] Proposed Updated Time and Work Plan | Samsung Research America | Work Plan |  | 15.6 | agreed |  |  |
| [**S4-221057**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221057.zip) | [FS\_MS\_NS\_Ph2] Overview of Network slicing feature and capabilities | Samsung Research America | discussion |  | 8.10 | revised |  | [**S4-221132**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361279) |
| [**S4-221058**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221058.zip) | [FS\_MS\_NS\_Ph2] Collaboration Scenarios with Network Slicing | Samsung Research America | discussion |  | 8.10 | revised |  | [**S4-221133**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361280) |
| [**S4-221059**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221059.zip) | [FS\_MS\_NS\_Ph2] Aspects related to Service Provisioning with Network Slicing | Samsung Research America | discussion |  | 8.10 | noted |  |  |
| [**S4-221060**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221060.zip) | Proposed updates to EDGAR-1 architecture | Xiaomi Communications | discussion |  | 9.5 | agreed |  |  |
| [**S4-221061**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221061.zip) | Proposed performance requirements | Nokia Corporation | discussion |  | 7.5 | agreed |  |  |
| [**S4-221062**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221062.zip) | IVAS audio format interfaces | Ericsson LM | discussion |  | 7.5 | agreed |  |  |
| [**S4-221063**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221063.zip) | Updated introductions of IVAS permanent documents | Ericsson LM | discussion |  | 7.5 | agreed |  |  |
| [**S4-221064**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221064.zip) | On frame submission to the AR Runtime in EDGAR-1 architecture | Xiaomi Communications | discussion |  | 9.5 | merged |  |  |
| [**S4-221065**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221065.zip) | [FS\_5GMS-EXT] Corrections of Traffic Identification sections | Ericsson GmbH, Eurolab | draftCR |  | 8.5 | revised |  | [**S4-221117**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361264) |
| [**S4-221066**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221066.zip) | Reply LS on Clarifications on Nmbstf\_MBSDistributionSession service | SA2 | LS in |  | 5.2 | noted |  |  |
| [**S4-221067**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221067.zip) | Follow-up LS on QoS support with Media Unit granularity | SA2 | LS in |  | 5.2 | replied to |  |  |
| [**S4-221068**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221068.zip) | SA WG2 5G Core Information Exposure to UE via DCAF Solution Considerations | SA2 | LS in |  | 5.2 | replied to |  |  |
| [**S4-221069**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221069.zip) | LS on Reply on Logical relationship between query parameters | SA5 | LS in |  | 5.2 | noted |  |  |
| [**S4-221070**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221070.zip) | LS Reply on QoE configuration and reporting related issues | SA5 | LS in |  | 5.2 | noted |  |  |
| [**S4-221071**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221071.zip) | LS on Study on KQIs for 5G service experience | SA5 | LS in |  | 5.2 | replied to |  |  |
| [**S4-221072**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221072.zip) | LS Reply on TS 28.404/TS 28.405 Clarification | SA5 | LS in |  | 5.2 | replied to |  |  |
| [**S4-221073**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221073.zip) | Liaison on MPEG-DASH Event and timed metadata processing | DASH-IF | LS in |  | 5.3 | noted |  |  |
| [**S4-221074**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221074.zip) | Liaison statement from SC 29/WG 3 to 3GPP SA4 on ISO/IEC 23009-1 Annex I [SC 29/WG 3 N 535] | ISO/IEC JTC 1/SC 29 "Coding of audio, picture, multimedia and hypermedia information" Secretariat: JISC | LS in |  | 5.3 | noted |  |  |
| [**S4-221075**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221075.zip) | Liaison statement from SC 29/WG 4 to 3GPP SA 4 on Compression of neural networks (NNC) | ISO/IEC JTC 1/SC 29 "Coding of audio, picture, multimedia and hypermedia information" Secretariat: JISC | LS in |  | 5.3 | noted |  |  |
| [**S4-221076**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221076.zip) | LS on draft new Recommendation ITU-T P.1320 (ex P.QXM): QoE assessment of extended reality (XR) meeting | ITU-T Study Group 12 | LS in |  | 5.3 | noted |  |  |
| [**S4-221077**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221077.zip) | LS on draft new Recommendation ITU-T P.863.2 (ex P.AMD): Extension of P.863 for multi-dimensional assessment of degradations in telephony speech signals up to full-band | ITU-T Study Group 12 | LS in |  | 5.3 | noted |  |  |
| [**S4-221078**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221078.zip) | LS on draft new Recommendation ITU-T P.1402 (ex P.MLGuide): Guidance for the development of machine learning based solutions for QoS/QoE prediction and network performances management in telecommunication scenarios | ITU-T Study Group 12 | LS in |  | 5.3 | noted |  |  |
| [**S4-221079**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221079.zip) | LS on draft new Recommendation ITU-T G.1036 (ex G.QoE-AR): Quality of experience (QoE) influencing factors for augmented reality (AR) services | ITU-T Study Group 12 | LS in |  | 5.3 | noted |  |  |
| [**S4-221080**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221080.zip) | LS on draft revised Recommendation ITU-T G.191: Software tools for speech and audio coding standardization | ITU-T Study Group 12 | LS in |  | 5.3 | noted |  |  |
| [**S4-221081**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221081.zip) | Next-generation video codecs and the adoption of ITU-T H.266 | ISO/IEC 23090-3 Versatile Video Coding (VVC) and T/AI 109.2-2021: Intelligent Media Coding - Part 2: Video (AVS3) in DVB specifications | DVB Technical Module Ad-Hoc Group on Audio-Visual Content (TM-AVC) | LS in |  | 5.3 | noted |  |  |
| [**S4-221082**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221082.zip) | Reply LS on multiparty Real-time Text (RTT) in conference calling | GSMA(UPG #03) Londres | LS in |  | 5.3 | noted |  |  |
| [**S4-221083**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221083.zip) | Release of VRIF guidelines on volumetric video streaming | VRIF Liaison WG | LS in |  | 5.3 | noted |  |  |
| [**S4-221084**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221084.zip) | Proposed corrections to TR 26.955 | Ericsson India Private Limited | draftCR |  | 9.4 | agreed |  |  |
| [**S4-221085**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221085.zip) | Skeleton for TS26.565 | Qualcomm Technologies Ireland | draft TS |  | 14.8 | agreed |  |  |
| [**S4-221086**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221086.zip) | Real-time scene composition for AR use cases | Nokia Corporation | discussion |  | 10.6 | revised |  |  |
| [**S4-221087**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221087.zip) | Real- time metadata requirement for AR use cases | Nokia Corporation | discussion |  | 10.8 | noted |  |  |
| [**S4-221088**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221088.zip) | [FS\_5GMS\_EXT] Correction to uplink streaming call flow for collaboration scenario 5 | Tencent Cloud | draftCR |  | 8.5 | revised |  | [**S4-221135**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361282) |
| [**S4-221089**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221089.zip) | VIDEO SWG telco report 25th May 2022 | VIDEO SWG Chair (Tencent) | report |  | 5.1 | **approved** |  |  |
| [**S4-221090**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221090.zip) | VIDEO SWG telco report 31st May 2022 | VIDEO SWG Chair (Tencent) | report |  | 5.1 | **approved** |  |  |
| [**S4-221091**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221091.zip) | VIDEO SWG telco report 28th June 2022 | VIDEO SWG Chair (Tencent) | report |  | 5.1 | **approved** |  |  |
| [**S4-221092**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221092.zip) | VIDEO SWG telco report 12th July 2022 | VIDEO SWG Chair (Tencent) | report |  | 5.1 | **approved** |  |  |
| [**S4-221093**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221093.zip) | AI/ML model optimization for transport | Qualcomm Technologies Ireland | discussion |  | 9.7 | revised |  | [**S4-221172**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361319) |
| [**S4-221094**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221094.zip) | 5G\_RTP Permanent Document v. 0.0.1 | Nokia Italy | discussion |  | 10.8 | revised |  |  |
| [**S4-221095**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221095.zip) | 5G\_RTP Timeplan v. 0.0.1 | Nokia Italy | discussion |  | 10.8 | revised |  |  |
| S4-221096 | Previous Meeting Report by MCC | 3GPP MCC | report |  | 4 | revised | [**S4-220902**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1343416) | [**S4-221100**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361247) |
| [**S4-221097**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221097.zip) | Reply LS on multiparty Real-time Text (RTT) in conference calling | 3GPP SA1 | LS in |  | 5.2 | noted |  |  |
| [**S4-221098**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221098.zip) | Draft Agenda for SA4#120-e | 3GPP SA4 Chair | agenda |  | 2 | **approved** | [**S4-221000**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354216) |  |
| [**S4-221099**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221099.zip) | LS response on multiparty Real-time Text (RTT) in conference calling | ATIS WTSC | LS in |  | 5.3 | noted |  |  |
| [**S4-221100**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221100.zip) | Previous Meeting Report by MCC | 3GPP MCC | report |  | 4 | **approved** | [**S4-221096**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1356076) |  |
| [**S4-221101**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221101.zip) | IVAS Design Constraints (IVAS-4), v0.6.0 | Editor (Huawei) | discussion |  | 14.2 | agreed |  |  |
| [**S4-221102**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221102.zip) | IVAS Permanent Document IVAS-8a: Test Plan for Selection Phase, v0.5.0 | Editor (VoiceAge) | discussion |  | 14.2 | agreed |  |  |
| [**S4-221103**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221103.zip) | IVAS Performance Requirements (IVAS-3)? v0.2.0 | Editor (Dolby) | discussion |  | 14.2 | agreed |  |  |
| [**S4-221104**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221104.zip) | IVAS codec development overview (IVAS-1), v0.5.0 | Editor (Huawei) | discussion |  | 14.2 | agreed |  |  |
| [**S4-221105**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221105.zip) | IVAS Usage Scenarios (IVAS-9), v0.2.0 | Editor (Nokia) | discussion |  | 14.2 | agreed |  |  |
| [**S4-221106**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221106.zip) | [EVEX] Miscellaneous corrections and clarifications | BBC | CR |  | 13 | agreed | [**S4-220929**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1345022) |  |
| [**S4-221107**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221107.zip) | [EVEX] TS 26.532 PUT/PATCH corrections | Qualcomm Incorporated, BBC, Huawei | CR |  | 13 | agreed | [**S4-220934**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1345720) |  |
| [**S4-221108**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221108.zip) | CR on subscription filters for 5GMS events | Huawei, Hisilicon | CR |  | 13 | agreed | [**S4-221004**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354346) |  |
| [**S4-221109**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221109.zip) | [EVEX] TS 26.532 Bug fixes regarding updating data collection and reporting configurations for data collection clients | Qualcomm Incorporated | CR |  | 13 | agreed | [**S4-220944**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1347435) |  |
| [**S4-221110**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221110.zip) | [5GMS\_EDGE\_3, EVEX] Rel-17 API corrections | BBC | CR |  | 13 | agreed | [**S4-220927**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1345018) |  |
| [**S4-221111**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221111.zip) | Draft reply LS to SA2 LS (S4-220912) on EVEX | 3GPP SA4 | LS out |  | 8.3 | revised |  | [**S4-221123**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361270) |
| [**S4-221112**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221112.zip) | Draft Reply LS to SA2 on 5G Core Information Exposure to UE via DCAF Solution (reply to S4-221068) | 3GPP SA4 | LS out |  | 8.3 | revised |  |  |
| [**S4-221113**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221113.zip) | Draft Reply LS to CT3 on Data Reporting API | 3GPP SA4 | LS out |  | 8.4 | revised | [**S4-220933**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1345717) | [**S4-221116**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361263) |
| [**S4-221114**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221114.zip) | [5GMS3] Rel-16 API corrections | BBC | CR |  | 13 | agreed | [**S4-220930**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1345026) |  |
| S4-221115 | Draft Reply LS to SA5 on TS 28.404/TS 28.405 Clarification (to S4-221072) | 3GPP SA4 | LS out |  | 8.3 | revised |  |  |
| [**S4-221116**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221116.zip) | Draft Reply LS to CT3 on Data Reporting API | 3GPP SA4 | LS out |  | 8.3 | revised | [**S4-221113**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361260) | [**S4-221118**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361265) |
| [**S4-221117**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221117.zip) | [FS\_5GMS-EXT] Corrections of Traffic Identification sections | Ericsson GmbH, Eurolab | CR |  | 13 | agreed | [**S4-221065**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355222) |  |
| [**S4-221118**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221118.zip) | Draft Reply LS to CT3 on Data Reporting API | 3GPP SA4 | LS out |  | 5.2 | **approved** | [**S4-221116**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361263) |  |
| [**S4-221119**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221119.zip) | LS on modifications to MBS User Service Architecture (To CT3, CT4, Cc SA2) | 3GPP SA4 | LS out |  | 5.2 | **approved** |  |  |
| [**S4-221120**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221120.zip) | Draft Reply LS to SA5 on study on KQIs for 5G service experience | 3GPP SA4 | LS out |  | 5.2 | **approved** |  |  |
| [**S4-221121**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221121.zip) | LS out: Reply on TS 28.404/TS 28.405 Clarification (to S4-221072) | 3GPP SA4 | LS out |  | 5.2 | **approved** |  |  |
| [**S4-221122**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221122.zip) | LS out: Reply LS on LS to CT3 and SA2 on EVEX (S4-220912) | 3GPP SA4 | LS out |  | 5.2 | **approved** |  |  |
| [**S4-221123**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221123.zip) | LS out: reply to SA2 regarding 5G Core Information Exposure to UE via DCAF Solution Considerations (reply to S4-221068) | 3GPP SA4 | LS out |  | 5.2 | **approved** | [**S4-221111**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361258) |  |
| [**S4-221124**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221124.zip) | [5MBUSA] Clarifications on domain model | BBC | CR |  | 13 | agreed | [**S4-220928**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1345021) |  |
| [**S4-221125**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221125.zip) | [5GMSA\_Ph2] End-to-end low latency live streaming -dCR | Qualcomm incorporated | discussion |  | 8.7 | noted | [**S4-220950**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1351918) |  |
| [**S4-221126**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221126.zip) | SR\_MSE (Split Rendering Media Service Enabler) Time Plan | Rapporteur | Work Plan |  | 14.8 | agreed |  |  |
| [**S4-221127**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221127.zip) | Draft TR 26.806 v0.3.0 | Editor | draft TR |  | 15.5 | agreed |  |  |
| [**S4-221128**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221128.zip) | [FS\_SmarTAR] Proposed Updated Work Plan | Qualcomm incorporated | Work Plan |  | 15.5 | agreed |  |  |
| [**S4-221129**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221129.zip) | DRAFT Relpy LS on questions on RAN visible QoE | 3GPP SA4 | LS out |  | 5.2 | **approved** |  |  |
| [**S4-221130**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221130.zip) | [5MBUSA] New Annex on Data Model example instantiations | Ericsson LM | CR |  | 13 | agreed |  |  |
| [**S4-221131**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221131.zip) | MSE TR | Qualcomm Incorporated (Rapporteur) | other |  | 8.8 | revised |  | [**S4-221137**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361284) |
| [**S4-221132**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221132.zip) | [FS\_MS\_NS\_Ph2] Overview of Network slicing feature and capabilities | Samsung Research America | discussion |  | 8.10 | agreed | [**S4-221057**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355073) |  |
| [**S4-221133**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221133.zip) | [FS\_MS\_NS\_Ph2] Collaboration Scenarios with Network Slicing | Samsung Research America | discussion |  | 8.10 | agreed | [**S4-221058**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355075) |  |
| [**S4-221134**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221134.zip) | [FS\_MS\_NS\_Ph2] Draft TR 26.941 version 0.2.0 | Samsung Research America | discussion |  | 15.6 | revised |  | [**S4-221173**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361320) |
| [**S4-221135**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221135.zip) | [FS\_5GMS\_EXT] Correction to uplink streaming call flow for collaboration scenario 5 | Tencent Cloud | CR |  | 8.5 | revised | [**S4-221088**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355264) | [**S4-221144**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361291) |
| [**S4-221136**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221136.zip) | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm incorporated | discussion | draft CR | 8.7 | agreed |  |  |
| [**S4-221137**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221137.zip) | MSE TR | Qualcomm incorporated | other |  | 8.8 | agreed | [**S4-221131**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361278) |  |
| [**S4-221138**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221138.zip) | Draft TR 26.857 0.4.0 | Multicast-Broadcast-Streaming (MBS) SWG | other |  | 15.2 | agreed |  |  |
| [**S4-221139**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221139.zip) | Network Slicing in SA2 [26.941] | Huawei, HiSilicon | discussion | pCR | 8.10 | agreed |  |  |
| [**S4-221140**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221140.zip) | [5GMSA\_Ph2] 5GMS via MBS and Hybrid services - Procedures | Qualcomm incorporated | discussion | draft CR | 8.7 | agreed | [**S4-220952**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1351920) |  |
| [**S4-221141**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221141.zip) | [5GMSA\_Ph2] Hybrid DASH/HLS operation | Qualcomm incorporated | discussion | draft CR | 8.7 | agreed | [**S4-220951**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1351919) |  |
| [**S4-221142**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221142.zip) | [5GMSA-Ph2] Uplink high level procedure | Tencent Cloud | discussion | draft CR | 8 | agreed | [**S4-220989**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354189) |  |
| [**S4-221143**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221143.zip) | [5GMSA\_Ph2] Proposed Workplan | Tencent Cloud | Work Plan |  | 14.10 | agreed |  |  |
| [**S4-221144**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221144.zip) | [FS\_5GMS\_EXT] Correction to uplink streaming call flow for collaboration scenario 5 | Tencent Cloud | CR |  | 13 | agreed | [**S4-221135**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361282) |  |
| [**S4-221145**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221145.zip) | Presentation BY Xiaomi for the explanation on the draft SID FS\_DaCED (reference to the SID draft S4-221190) | Xiaomi | discussion |  | 8 | noted |  |  |
| [**S4-221146**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221146.zip) | 26.998 CR-0001 Corrections to TR 26.998 Rel17 | Samsung Electronics, Co., LTD. | CR |  | 13 | revised |  |  |
| [**S4-221147**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221147.zip) | CR on corrections to 26.955 | Qualcomm Incorporated, Ericsson LM | CR |  | 13 | agreed |  |  |
| [**S4-221148**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221148.zip) | Reply Ls to SA2 on QoS support with Media Unit granularity | 3GPP SA4 | LS out |  | 9.3 | revised |  | [**S4-221169**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361316) |
| [**S4-221149**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221149.zip) | On display capability of AR glasses | Samsung Electronics Czech | discussion |  | 9.5 | agreed | [**S4-221038**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354895) |  |
| [**S4-221150**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221150.zip) | MeCAR Permanent Document v3 | Xiaomi Commmunications (Rapporteur) | other |  | 14.4 | agreed |  |  |
| [**S4-221151**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221151.zip) | Updated Work Plan for MeCAR v2.0 | Xiaomi Communications | Work Plan |  | 14.4 | agreed | [**S4-221044**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355043) |  |
| [**S4-221152**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221152.zip) | Candidate 2D video capabilities for MeCAR | InterDigital, Inc. | discussion |  | 9.5 | agreed | [**S4-220935**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1346627) |  |
| [**S4-221153**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221153.zip) | Interest of transparency information in the context of MeCAR Edgar Architecture | InterDigital, Inc. | discussion |  | 9.5 | agreed | [**S4-220936**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1346630) |  |
| [**S4-221154**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221154.zip) | On MR split rendering information | Samsung Electronics Czech | discussion |  | 9.5 | agreed | [**S4-221037**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354893) |  |
| [**S4-221155**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221155.zip) | On processing flow and observation point | Samsung Electronics Czech | discussion |  | 9.5 | noted | [**S4-221036**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354892) |  |
| [**S4-221156**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221156.zip) | AR media types and transport discussion for MeCAR | HuaWei Technologies Co., Ltd, Tencent | discussion |  | 9.5 | revised | [**S4-220977**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1352999) | [**S4-221162**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361309) |
| [**S4-221157**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221157.zip) | [FS\_AI4Media] Edits to section on use cases and scenarios | Samsung Electronics Benelux BV | discussion |  | 9.7 | agreed | [**S4-221023**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354783) |  |
| [**S4-221158**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221158.zip) | [FS\_AI4Media] Service architecture for split AIML inference with uplink | Samsung Electronics Benelux BV, Interdigital Finland Ory | discussion |  | 9.7 | agreed | [**S4-221024**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354784) |  |
| [**S4-221159**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221159.zip) | [FS\_AI4Media] Related work in 3GPP | Samsung Electronics Benelux BV | discussion | pCR | 9.7 | agreed | [**S4-221025**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354785) |  |
| [**S4-221160**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221160.zip) | [FS\_AI4Media] Permanent Document v0.4 | Samsung Electronics (Rapporteur) | other |  | 15.3 | agreed |  |  |
| [**S4-221161**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221161.zip) | Update of the device architectures and rendering process | Xiaomi, Qualcomm Incorporated | discussion |  | 9.5 | agreed | [**S4-220972**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1351940) |  |
| [**S4-221162**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221162.zip) | AR media types and transport discussion for MeCAR | HuaWei Technologies Co., Ltd, Tencent | discussion |  | 9.5 | agreed | [**S4-221156**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361303) |  |
| [**S4-221163**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221163.zip) | Collection of current work on ARMR QoE in ITU-T | Huawei, Hisilicon, China Unicom | discussion | pCR | 9.8 | agreed | [**S4-221003**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354345) |  |
| [**S4-221164**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221164.zip) | [FS\_ARMRQoE] TR 26.812 skeleton v0.0.1 | China Unicom | draft TR |  | 9.8 | agreed | [**S4-221008**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354438) |  |
| [**S4-221165**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221165.zip) | Draft TR 26.812 v0.1.0 | China Unicom (editor) | draft TR |  | 15.7 | agreed |  |  |
| [**S4-221166**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221166.zip) | Work Plan for the study on ARMR QoE metrics V1.0 | China Unicom | Work Plan |  | 15.7 | agreed | [**S4-221009**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354454) |  |
| [**S4-221167**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221167.zip) | [FS\_AI4Media] Object Recognition in Image and Video use-case update | InterDigital Finland Oy | discussion |  | 9.7 | agreed | [**S4-221040**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355030) |  |
| [**S4-221168**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221168.zip) | [FS\_AI4Media] Updates to definitions | InterDigital Finland Oy | discussion |  | 9.7 | agreed | [**S4-221042**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355032) |  |
| [**S4-221169**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221169.zip) | Reply Ls to SA2 on QoS support with Media Unit granularity | 3GPP SA4 | LS out |  | 5.2 | revised | [**S4-221148**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361295) |  |
| [**S4-221170**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221170.zip) | Draft TR 26.926 v1.2.0 | Qualcomm incorporated (Rapporteur) | draft TR |  | 15.1 | agreed | [**S4-220973**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1351941) |  |
| [**S4-221171**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221171.zip) | [FS\_AI4Media] New Neural Network hybrid coding use-case | InterDigital Finland Oy | discussion |  | 9.7 | agreed | [**S4-221043**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355033) |  |
| [**S4-221172**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221172.zip) | AI/ML model optimization for transport | Qualcomm Technologies Ireland | discussion |  | 9.7 | agreed | [**S4-221093**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355281) |  |
| [**S4-221173**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221173.zip) | [FS\_MS\_NS\_Ph2] Draft TR 26.941 version 0.2.0 | Samsung Research America | discussion |  | 15.6 | agreed | [**S4-221134**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361281) |  |
| [**S4-221174**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221174.zip) | Reply LS to Follow-up LS on QoS support with Media Unit granularity | 3GPP SA4 | LS out |  | 5.2 | **approved** |  |  |
| [**S4-221175**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221175.zip) | MBS SWG Executive Summary for the Report during SA4#120-e (S4-220915) | MBS SWG Chair | report |  | 9 | **approved** |  |  |
| S4-221176 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| S4-221177 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| S4-221178 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| S4-221179 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| S4-221180 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| S4-221181 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| S4-221182 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| S4-221183 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| S4-221184 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| S4-221185 | (reserved) | Video SWG | other |  | 9 | reserved |  |  |
| [**S4-221186**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221186.zip) | CR 26.131-0084 Missing definition of performance requirements for receive frequency response (electrical interface UE) | HEAD acoustics GmbH | CR |  | 13 | agreed |  |  |
| [**S4-221187**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221187.zip) | Time plan for eUET, v0.1.0 | eUET Co-Rapporteurs (Orange, HEAD acoustics GmbH) | Work Plan |  | 14.6 | agreed |  |  |
| [**S4-221188**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221188.zip) | Draft time plan for FS\_Audio\_5GSTAR, v0.1 | Rapporteur (Orange) | Work Plan |  | 15.8 | agreed |  |  |
| [**S4-221189**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221189.zip) | Draft TS 26.130 Speech Audio Codec RTP Payload Format Conformance for UE Testing, v0.1.0 | Editor (Orange) | draft TS |  | 14.6 | agreed |  |  |
| [**S4-221190**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221190.zip) | Draft SID on diverse audio capturing system for end-user devices | Xiaomi Technology | discussion |  | 17 | noted |  |  |
| [**S4-221191**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221191.zip) | Report for SA4 RTC SWG 1 June 2022 Teleconference | SA4 RTC SWG Chairman | report |  | 5.1 | **approved** |  |  |
| [**S4-221192**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221192.zip) | Reply to LS to 3GPP SA2 on VoLTE Roaming GBR Handling | 3GPP SA4 | LS out |  | 5.2 | **approved** |  |  |
| [**S4-221193**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221193.zip) | Dynamic 3D representation use cases and requirements | Nokia Corporation | other |  | 10.5 | agreed | [**S4-220932**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1345518) |  |
| [**S4-221194**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221194.zip) | Requirements for the WebRTC Signaling Protocol | Qualcomm Technologies Ireland | other |  | 10.5 | agreed | [**S4-220945**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1349438) |  |
| [**S4-221195**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221195.zip) | Discussion on the usage of 5GMS for iRTCW | Intel Sweden AB | other |  | 10.5 | agreed |  |  |
| [**S4-221196**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221196.zip) | Functional Requirements for Avatar Driven | China Mobile Com. Corporation | other |  | 10.5 | agreed | [**S4-221012**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1354672) |  |
| [**S4-221197**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221197.zip) | iRTCW client functional components and architecture | InterDigital Communications | other |  | 10.5 | noted | [**S4-221054**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1355057) |  |
| [**S4-221198**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221198.zip) | [GA4RTAR] pCR on Scope (clause 1) of TS 26.506 | SAMSUNG R&D INSTITUTE JAPAN | other |  | 10.7 | agreed | [**S4-220984**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1353841) |  |
| [**S4-221199**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221199.zip) | [GA4RTAR] Proposed Draft of TS 26.506 v0.1.0 | SAMSUNG R&D INSTITUTE JAPAN | draft TS |  | 14.7 | agreed | [**S4-220985**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1353842) |  |
| [**S4-221200**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221200.zip) | iRTCW Time Plan v2.0.0 | NTT | other |  | 14.3 | agreed |  |  |
| [**S4-221201**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221201.zip) | FS\_eiRTCW Time Plan v2.0.0 | NTT | other |  | 15.4 | agreed |  |  |
| [**S4-221202**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221202.zip) | Draft TS 26.264 v0.1.0 | Samsung Electronics GmbH | draft TS |  | 14.5 | agreed |  |  |
| [**S4-221203**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221203.zip) | Protocol Stack for Telepresence UE | Nokia Corporation | CR |  | 14.11 | revised |  | [**S4-221213**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361360) |
| [**S4-221204**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221204.zip) | Protocol Stack for MTSI UE | Nokia Corporation | CR |  | 14.11 | revised |  | [**S4-221214**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361361) |
| [**S4-221205**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221205.zip) | IBACS Timeplan v.0.0.1 | KPN N.V. | Work Plan |  | 14.5 | agreed |  |  |
| [**S4-221206**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221206.zip) | IBACS Permanent Document v0.0.1 | KPN N.V. | discussion |  | 10.6 | revised |  |  |
| [**S4-221207**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221207.zip) | Real-time scene composition for AR use cases | Nokia Corporation | discussion |  | 10.6 | agreed |  |  |
| [**S4-221208**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221208.zip) | 5G\_RTP Timeplan v. 0.0.2 | Nokia Italy | Work Plan |  | 14.9 | agreed |  |  |
| [**S4-221209**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221209.zip) | 5G\_RTP Permanent Document v. 0.0.2 | Nokia Italy | discussion |  | 14.9 | agreed |  |  |
| [**S4-221210**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221210.zip) | Potential Solutions for FS\_eiRTCW | NTT corporation | discussion |  | 10.9 | agreed |  |  |
| [**S4-221211**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221211.zip) | FS\_eiRTCW Permanent Document | NTT corporation | discussion |  | 15.4 | agreed |  |  |
| [**S4-221212**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221212.zip) | IBACS Permanent Document v0.0.2 | KPN N.V. | discussion |  | 14.5 | agreed |  |  |
| [**S4-221213**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221213.zip) | Protocol Stack for Telepresence UE | Nokia Corporation | CR |  | 14.11 | agreed | [**S4-221203**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361350) |  |
| [**S4-221214**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221214.zip) | Protocol Stack for MTSI UE | Nokia Corporation | CR |  | 14.11 | agreed | [**S4-221204**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1361351) |  |
| S4-221215 | (reserved) | Real-Time Communications (RTC) SWG | other |  | 10.5 | reserved |  |  |
| S4-221216 | (reserved) | Real-Time Communications (RTC) SWG | other |  | 10.5 | reserved |  |  |
| S4-221217 | (reserved) | Real-Time Communications (RTC) SWG | other |  | 10.5 | reserved |  |  |
| S4-221218 | (reserved) | Real-Time Communications (RTC) SWG | other |  | 10.5 | reserved |  |  |
| S4-221219 | (reserved) | Real-Time Communications (RTC) SWG | other |  | 10.5 | reserved |  |  |
| S4-221220 | (reserved) | Real-Time Communications (RTC) SWG | other |  | 10.5 | reserved |  |  |
| [**S4-221221**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221221.zip) | Updated Draft Schedule for SA4#120-e | SA4 Chairman | other |  | 6 | agreed | [**S4-220903**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1343417) |  |
| [**S4-221222**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221222.zip) | 5G-MAG TARGET 2023 – REFERENCE TOOLS FOR 5G-BASED MEDIA SERVICES | 5G Media Action Group | LS in |  | 5.3 | noted |  |  |
| [**S4-221223**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221223.zip) | Invitation to DASH-IF Reunion Reception at IBC 2022 | Tencent, Qualcomm Incorporated | other |  | 20 | noted |  |  |
| [**S4-221224**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221224.zip) | CR on corrections to TR 26.998 | Samsung | CR |  | 13 | agreed |  |  |

## Annex B: List of Output Documents

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Type** | **Agenda item** | **TDoc Status** | **Is revision of** | **Revised to** | **Release** | **Spec** | **Version** | **Related WIs** | **CR** | **CR revision** | **CR category** |
| **S4-221106** | [EVEX] Miscellaneous corrections and clarifications | BBC | CR | 13 | **agreed** | **S4-220929** |  | **Rel-17** | 26.531 | **17.0.0** | **EVEX** | **0001** | 0001 | F |
| **S4-221107** | [EVEX] TS 26.532 PUT/PATCH corrections | Qualcomm Incorporated, BBC, Huawei | CR | 13 | **agreed** | **S4-220934** |  | **Rel-17** | 26.532 | **17.0.1** | **EVEX** | **0001** | 0001 | F |
| **S4-221108** | CR on subscription filters for 5GMS events | Huawei, Hisilicon | CR | 13 | **agreed** | **S4-221004** |  | **Rel-17** | 26.501 | **17.2.0** | **EVEX** | **0040** | 0001 | F |
| **S4-221109** | [EVEX] TS 26.532 Bug fixes regarding updating data collection and reporting configurations for data collection clients | Qualcomm Incorporated | CR | 13 | **agreed** | **S4-220944** |  | **Rel-17** | 26.532 | **17.0.1** | **EVEX** | **0002** | 0001 | F |
| **S4-221110** | [5GMS\_EDGE\_3, EVEX] Rel-17 API corrections | BBC | CR | 13 | **agreed** | **S4-220927** |  | **Rel-17** | 26.512 | **17.1.2** | **5GMS\_EDGE\_3, EVEX** | **25** | 0001 | F |
| **S4-221114** | [5GMS3] Rel-16 API corrections | BBC | CR | 13 | **agreed** | **S4-220930** |  | **Rel-16** | 26.512 | **16.6.1** | **5GMS3** | **0026** | 0001 | F |
| **S4-221117** | [FS\_5GMS-EXT] Corrections of Traffic Identification sections | Ericsson GmbH, Eurolab | CR | 13 | **agreed** | **S4-221065** |  | **Rel-17** | 26.804 | **17.0.0** | **FS\_5GMS\_EXT** | **0001** | 0001 | F |
| **S4-221124** | [5MBUSA] Clarifications on domain model | BBC | CR | 13 | **agreed** | **S4-220928** |  | **Rel-17** | 26.502 | **17.1.1** | **5MBUSA** | **0007** | 0001 | F |
| **S4-221144** | [FS\_5GMS\_EXT] Correction to uplink streaming call flow for collaboration scenario 5 | Tencent Cloud | CR | 13 | **agreed** | **S4-221135** |  | **Rel-17** | 26.804 | **17.0.0** | **FS\_5GMS\_EXT** | **0002** | 1 | F |
| **S4-221147** | CR on corrections to 26.955 | Qualcomm Incorporated, Ericsson LM | CR | 13 | **agreed** |  |  | **Rel-17** | 26.955 | **17.0.0** | **FS\_5GVideo** | **0001** |  | F |
| **S4-221213** | Protocol Stack for MTSI UE | Nokia Corporation | CR | 14.11 | **agreed** | **S4-221203** |  | **Rel-18** | 26.223 | **17.1.0** | **ITT4RT, TEI18** | **24** | 2 | F |
| **S4-221214** | Protocol Stack for MTSI UE | Nokia Corporation | CR | 14.11 | **agreed** | **S4-221204** |  | **Rel-18** | 26.114 | **17.5.0** | **ITT4RT, TEI18** | **529** | 2 | F |
| **S4-221224** | CR on corrections to TR 26.998 | Samsung | CR | 13 | **agreed** |  | **S4-221146** | **Rel-17** | **26.998** | **17.0.0** | **FS\_5GSTAR** | 0001 | 1 | F |
| **S4-221130** | [5MBUSA] New Annex on Data Model example instantiations | Ericsson LM | CR | 13 | agreed |  |  | **Rel-17** |  |  |  |  |  |  |
| **S4-221186** | CR 26.131-0084 Missing definition of performance requirements for receive frequency response (electrical interface UE) | CR 26.131-0084 Missing definition of performance requirements for receive frequency response (electrical interface UE) | HEAD acoustics GmbH | 13 | agreed |  |  |  |  |  |  |  |  |  |

## Annex C: Liaison Statements

### C.1: Incoming Liaison Statements:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **TDoc Status** | **To** | **Cc** | **Original LS** | **Reply in** |
| **S4-220904** | Reply LS on multiparty Real-time Text (RTT) in conference calling C1-223991 | 3GPP CT1 | noted | 3GPP SA4 | SA1, CT4, GSMA NG (GSG, UPG, ESTF), ATIS WTSC, SA3-LI | S4-220321/C1-222597 |  |
| **S4-220905** | Reply LS on UE capabilities for NR QoE | 3GPP CT1 | noted | RAN2 | SA4 | C1-223312 / R2-2204203 |  |
| **S4-220906** | Reply LS on NR QoE | 3GPP CT1 | noted | RAN2 | SA4, RAN3, SA5 |  |  |
| **S4-220907** | Reply LS on Data Reporting API | 3GPP CT3 | replied to | SA4 | SA2 | C3-223526 (S4-220839) | S4-220933 |
| **S4-220908** | LS on Priority given to Rel-17 LSs from CT | 3GPP CT | noted | SA2, SA4, RAN2 | SA, RAN |  |  |
| **S4-220909** | LS on questions on RAN visible QoE | 3GPP RAN2 | replied to | RAN3, SA4 |  |  | S4-221005 |
| **S4-220910** | Reply to LS to 3GPP SA2 on VoLTE Roaming GBR Handling | 3GPP SA2 | replied to | SA4, CT4, CT3, GSMA NRG |  | S2-2203630 | [S4-221192](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_120-e/Docs/S4-221192.zip) |
| **S4-220911** | Reply LS on Traffic Identification within 5G Media Streaming | 3GPP SA2 | noted | SA4, CT3 |  | S2-2203628/S4-220305) |  |
| **S4-220912** | Reply LS on LS to CT3 and SA2 on EVEX | 3GPP SA2 | replied to | SA4 | CT3 | S2-2203661 (S4-220576 from SA4) | S4-221111 |
| **S4-220913** | Reply LS on the impact of MSK update on MBS multicast session update procedure | 3GPP SA2 | noted | CT1, SA3, SA4 | CT4 | S2-2203631/ C1-221747 |  |
| **S4-221066** | Reply LS on Clarifications on Nmbstf\_MBSDistributionSession service | SA2 | noted | CT4, SA4, CT3 | SA3 |  |  |
| **S4-221067** | Follow-up LS on QoS support with Media Unit granularity | SA2 | replied to | SA4 |  |  | S4-221148 |
| **S4-221068** | SA WG2 5G Core Information Exposure to UE via DCAF Solution Considerations | SA2 | replied to | SA4 |  |  | S4-221112 |
| **S4-221069** | LS on Reply on Logical relationship between query parameters | SA5 | noted | CT4 | CT3, CT1, SA4 | S5-223020 |  |
| **S4-221070** | LS Reply on QoE configuration and reporting related issues | SA5 | noted | SA4, RAN3 | RAN2 | S4-220309 |  |
| **S4-221071** | LS on Study on KQIs for 5G service experience | SA5 | replied to | 3GPP SA4, ITU-T SG12 |  |  | S4-221006 |
| **S4-221072** | LS Reply on TS 28.404/TS 28.405 Clarification | SA5 | replied to | SA4 |  | S4-211234 | S4-221115 |
| **S4-221073** | Liaison on MPEG-DASH Event and timed metadata processing | DASH-IF | noted | SA4 |  |  |  |
| **S4-221074** | Liaison statement from SC 29/WG 3 to 3GPP SA4 on ISO/IEC 23009-1 Annex I [SC 29/WG 3 N 535] | ISO/IEC JTC 1/SC 29 | noted | SA4 |  |  |  |
| **S4-221075** | Liaison statement from SC 29/WG 4 to 3GPP SA 4 on Compression of neural networks (NNC) | ISO/IEC JTC 1/SC 29 | noted | SA4 |  |  |  |
| **S4-221076** | LS on draft new Recommendation ITU-T P.1320 (ex P.QXM): QoE assessment of extended reality (XR) meeting | ITU-T Study Group 12 | noted | 3GPP SA4, MPEG ISO/IEC JTC 1/SC 29/WG 11, ISO/IEC JTC 1/SC 29/AG 5, ETSI TC STQ, VRIF, VQEG, ITU-T SG16,SG16 CG-Metaverse, Qualinet |  |  |  |
| **S4-221077** | LS on draft new Recommendation ITU-T P.863.2 (ex P.AMD): Extension of P.863 for multi-dimensional assessment of degradations in telephony speech signals up to full-band | ITU-T Study Group 12 | noted | ETSI TC STQ, ETSI TC STQ MOBILE, 3GPP SA4 |  |  |  |
| **S4-221078** | LS on draft new Recommendation ITU-T P.1402 (ex P.MLGuide): Guidance for the development of machine learning based solutions for QoS/QoE prediction and network performances management in telecommunication scenarios | ITU-T Study Group 12 | noted | ITU-T SGs 2, 13, ITU-T FG-AN, ETSI TC STQ, ETSI TC STQ MOBILE, 3GPP SA4 |  |  |  |
| **S4-221079** | LS on draft new Recommendation ITU-T G.1036 (ex G.QoE-AR): Quality of experience (QoE) influencing factors for augmented reality (AR) services | ITU-T Study Group 12 | noted | 3GPP SA4, MPEG ISO/IEC JTC 1/SC 29/WG 11, ISO/IEC JTC 1/SC 29/AG 5, ETSI TC STQ, VRIF, VQEG, ITU-T SG16, ITU-T SG13, ITU-T SG9, SG16 CG-Metaverse, Qualinet |  |  |  |
| **S4-221080** | LS on draft revised Recommendation ITU-T G.191: Software tools for speech and audio coding standardization | ITU-T Study Group 12 | noted | ITU-T SG16, ETSI TC STQ, 3GPP SA4 |  |  |  |
| **S4-221081** | Next-generation video codecs and the adoption of ITU-T H.266 | ISO/IEC 23090-3 Versatile Video Coding (VVC) and T/AI 109.2-2021: Intelligent Media Coding - Part 2: Video (AVS3) in DVB specifications | DVB Technical Module Ad-Hoc Group on Audio-Visual Content (TM-AVC) | noted | SA4 (Video SWG) |  |  |  |
| **S4-221082** | Reply LS on multiparty Real-time Text (RTT) in conference calling | GSMA(UPG #03) Londres | noted | 3GPP SA4 | 3GPP SA1, CT1, CT4, SA3-LI & ATIS WTSC |  |  |
| **S4-221083** | Release of VRIF guidelines on volumetric video streaming | VRIF Liaison WG | noted | 3GPP SA4 |  |  |  |
| **S4-221097** | Reply LS on multiparty Real-time Text (RTT) in conference calling | 3GPP SA1 | noted | SA4, CT1, CT4, GSMA NG (GSG, UPG, ESTF), ATIS WTSC | SA3-Li | S4-220321 |  |
| **S4-221099** | LS response on multiparty Real‐time Text (RTT) in conference calling | ATIS WTSC | noted | SA4 | ATIS PTSC | S4‐220321 |  |
| **S4-221222** | 5G-MAG TARGET 2023 – REFERENCE TOOLS FOR 5G-BASED MEDIA SERVICES | 5G Media Action Group | noted |  |  |  |  |

### C.1: Outgoing Liaison Statements

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **TDoc Status** | **Related WIs** | **To** | **Cc** | **Original LS** |
| **S4-221118** | Draft Reply LS to CT3 on Data Reporting API | 3GPP SA4 | **approved** | **EVEX** | 3GPP CT3, CT4 |  | S4-220907 |
| **S4-221119** | LS on modifications to MBS User Service Architecture (To CT3, CT4, Cc SA2) | 3GPP SA4 | **approved** | 5MBUSA | 3GPP CT3, CT4 | 3GPP SA2 |  |
| **S4-221120** | Draft Reply LS to SA5 on study on KQIs for 5G service experience | 3GPP SA4 | **approved** |  | 3GPP SA5 |  | S4-221071 |
| **S4-221121** | LS out:  Reply on TS 28.404/TS 28.405 Clarification (to  S4-221072) | 3GPP SA4 | **approved** |  | 3GPP SA5 |  | S4-221072 |
| **S4-221122** | LS out: Reply LS on LS to CT3 and SA2 on EVEX (S4-220912) | 3GPP SA4 | **approved** |  | 3GPP CT3, SA2 |  | S4-220912 |
| **S4-221123** | LS out: reply to SA2 regarding  5G Core Information Exposure to UE via DCAF Solution Considerations (reply to  S4-221068) | 3GPP SA4 | **approved** |  | 3GPP SA2 |  | S4-221068 |
| **S4-221129** | Reply LS on questions on RAN visible QoE | 3GPP SA4 | **approved** | **NR\_QoE-Core** | RAN2, RAN3 |  | R2-2206833/S4-220909 |
| **S4-221174** | Reply LS to Follow-up LS on QoS support with Media Unit granularity | 3GPP SA4 | **approved** | **FS\_XRM, FS\_XRTraffic** | 3GPP SA2 |  | S4-221067/S2-2205249 |
| **S4-221192** | Reply to LS to 3GPP SA2 on VoLTE Roaming GBR Handling | 3GPP SA4 | **approved** |  |  |  |  |

## Annex D: List of SA4#120-e Approved Adhoc Conference Calls

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Details of the SA4 WI/SI** | | | | **Adhoc Calls between SA4#120-e & SA4#121-e** | | | | | |
| Name | WI\_Code | WI\_ID | Release | Call#01 (Date & Timings, Doc. Submission deadline, Agenda) [Please highlight the box of the call having Special Power, if any] | Call#02 (Date & Timings, Doc. Submission deadline, Agenda) [Please highlight the box of the call having Special Power, if any] | Call#03(Date & Timings, Doc. Submission deadline, Agenda) [Please highlight the box of the call having Special Power, if any] | Call#04(Date & Timings, Doc. Submission deadline, Agenda) [Please highlight the box of the call having Special Power, if any] | Call#05 (Date & Timings, Doc. Submission deadline, Agenda)[Please highlight the box of the call having Special Power, if any] | Call#06 (Date & Timings, Doc. Submission deadline, Agenda) [Please highlight the box of the call having Special Power, if any] |
| Generic MBS Adhoc Telcos | Not required |  |  | 3GPP SA4 MBS SWG (September 8, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (September 22, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 6, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) |  |  |
| Generic Video Adhoc Telcos | Not required |  |  | 3GPP SA4 Video SWG Telco (September 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 Video SWG Telco (October 11, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 Video SWG Telco (November 2, 2022, 15:30 – 17:30 CET, Host Qualcomm) |  |  |  |
| Generic architecture for Real-Time and AR/MR media (GA4RTAR) | GA4RTAR | 960044 | Rel-18 | Sep 7, 2022, 1600 - 1800 CEST (Deadline: Sep 5, 1600 CEST) Host Qualcomm | Sep 21, 2022, 1600 - 1800 CEST (Deadline: Sep 16, 1600 CEST) Host Qualcomm | Oct 5, 2022, 600 - 800 CEST  (Deadline: Sep 30, 600 CEST) Host Qualcomm | Oct 19, 2022, 600 - 800 CEST (Deadline: Oct 14, 600 CEST) Host Qualcomm |  |  |
| Split Rendering Media Service Enabler (SR\_MSE) | SR\_MSE | 960045 | Rel-18 | 3GPP SA4 MBS SWG (September 8, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (September 22, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 6, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 0 |  |
| 5G Real-time Transport Protocols (5G\_RTP) | 5G\_RTP | 960046 | Rel-18 | Sep 7, 2022, 1600 - 1800 CEST (Deadline: Sep 5, 1600 CEST) Host Qualcomm | Sep 21, 2022, 1600 - 1800 CEST (Deadline: Sep 16, 1600 CEST) Host Qualcomm | Oct 5, 2022, 600 - 800 CEST  (Deadline: Sep 30, 600 CEST) Host Qualcomm | Oct 19, 2022, 600 - 800 CEST (Deadline: Oct 14, 600 CEST) Host Qualcomm |  |  |
| 5G Media Streaming Architecture Phase2 (5GMS\_Ph2) | 5GMS\_Ph2 | 960047 | Rel-18 | 3GPP SA4 MBS SWG (September 8, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (September 22, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 6, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) |  |  |
| Media Capabilities for Augmented Reality | MeCAR | 950015 | Rel-18 | September 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm | October 11, 2022, 15:30 – 17:30 CEST, Host Qualcomm | November 2, 2022, 15:30 – 17:30 CET, Host Qualcomm |  |  |  |
| Study on Typical Traffic Characteristics for XR Services and other Media | FS\_XRTraffic | 870013 | Rel-17 | 3GPP SA4 Video SWG Telco (September 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 Video SWG Telco (October 11, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 Video SWG Telco (November 2, 2022, 15:30 – 17:30 CET, Host Qualcomm) |  |  |  |
| Feasibility Study on 5G Media Service Enablers | FS\_5G\_MSE | 940010 | Rel-18 | 3GPP SA4 MBS SWG (September 8, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (September 22, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 6, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) |  |  |
| Feasibility Study on Smartly Tethering AR Glasses | FS\_SmarTAR | 950013 | Rel-18 | 3GPP SA4 MBS SWG (September 8, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (September 22, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 6, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) |  |  |
| Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media | FS\_AI4Media | 950011 | Rel-18 | 3GPP SA4 Video SWG Telco (September 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 Video SWG Telco (October 11, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 Video SWG Telco (November 2, 2022, 15:30 – 17:30 CET, Host Qualcomm) |  |  |  |
| Study on Media Streaming aspects of Network Slicing Phase 2 (FS\_MS\_NS\_Ph2) | FS\_MS\_NS\_Ph2 | 960048 | Rel-18 | 3GPP SA4 MBS SWG (September 8, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (September 22, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 6, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 MBS SWG (October 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) |  |  |
| Feasibility Study on AR and MR QoE Metrics (FS\_ARMRQoE) | FS\_ARMRQoE | 960049 | Rel-18 | 3GPP SA4 Video SWG Telco (September 20, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 Video SWG Telco (October 11, 2022, 15:30 – 17:30 CEST, Host Qualcomm) | 3GPP SA4 Video SWG Telco (November 2, 2022, 15:30 – 17:30 CET, Host Qualcomm) |  |  |  |
| Feasibility Study on Audio Aspects for 5G Glasses-type AR/MR Devices (FS\_Audio\_5GSTAR) | FS\_Audio\_5GSTAR | 960050 | Rel-18 |  |  |  |  |  |  |

## Annex D: SID/WID Completion Percentage after SA4#120-e

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **WI\_Code** | **WI\_ID** | **Release** | **Target Completion Date(legends: Orange - Completion due by the immediate SA TSG plenary; Yellow: Completion date due after the current TSG cycle i.e., in approx. 6 months)** | **Completion %age till SA4#120-e** |
| **Terminal Audio quality performance and Test methods for Immersive Audio Services** | **ATIAS** | **830005** | **Rel-18** | 12/2022 | 20% |
| **EVS Codec Extension for Immersive Voice and Audio Services** | **IVAS\_Codec** | **770024** | **Rel-18** | 12/2023 | 40% |
| **IMS-based AR Conversational Services (IBACS)** | **IBACS** | **960042** | **Rel-18** | 12/23 | 5% |
| **Enhancements to UE Testing (eUET)** | **eUET** | **960043** | **Rel-18** | 12/23 | 10% |
| **Immersive Real-time Communication for WebRTC** | **iRTCW** | **950014** | **Rel-18** | 12/2023 | 10% |
| **Generic architecture for Real-Time and AR/MR media (GA4RTAR)** | **GA4RTAR** | **960044** | **Rel-18** | 03/2023 | 25% |
| **Split Rendering Media Service Enabler (SR\_MSE)** | **SR\_MSE** | **960045** | **Rel-18** | 09/2023 | 5% |
| **5G Real-time Transport Protocols (5G\_RTP)** | **5G\_RTP** | **960046** | **Rel-18** | 06/2023 | 3% |
| **5G Media Streaming Architecture Phase2 (5GMS\_Ph2)** | **5GMS\_Ph2** | **960047** | **Rel-18** | 03/2023 | 15% |
| **Media Capabilities for Augmented Reality** | **MeCAR** | **950015** | **Rel-18** | 12/2023 | 15% |
| **Study on Typical Traffic Characteristics for XR Services and other Media** | **FS\_XRTraffic** | **870013** | **Rel-17** | 09/2022 | 85% |
| **Feasibility Study on 5G Media Service Enablers** | **FS\_5G\_MSE** | **940010** | **Rel-18** | 09/2022 | 60% |
| **Feasibility Study on Smartly Tethering AR Glasses** | **FS\_SmarTAR** | **950013** | **Rel-18** | 03/2023 | 40% |
| **Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media** | **FS\_AI4Media** | **950011** | **Rel-18** | 12/2023 | 15% |
| **Feasibility Study on the enhancements for immersive Real-time Communication for WebRTC** | **FS\_eiRTCW** | **950012** | **Rel-18** | 06/2023 | 30% |
| **Study on Media Streaming aspects of Network Slicing Phase 2 (FS\_MS\_NS\_Ph2)** | **FS\_MS\_NS\_Ph2** | **960048** | **Rel-18** | 03/23 | 15% |
| **Feasibility Study on AR and MR QoE Metrics (FS\_ARMRQoE)** | **FS\_ARMRQoE** | **960049** | **Rel-18** | 12/23 | 5% |
| **Feasibility Study on Audio Aspects for 5G Glasses-type AR/MR Devices (FS\_Audio\_5GSTAR)** | **FS\_Audio\_5GSTAR** | **960050** | **Rel-18** | 12/22 | 5% |

## Annex D: List of Delegates

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Family Name | Given Name | Email | Employer Organization | Organization Represented | Organization Represented Category Code | PRESENCE |
| Ahsan | Saba | saba.ahsan@nokia.com | Nokia Corporation | Nokia Denmark | ETSI | Present |
| Andrivon | Pierre | pandrivon@xiaomi.com | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software | CCSA | Present |
| Ani Simi | Gokul Sani | gokulsani.anisimi@ors.at | ORS | ORS | ETSI | Present |
| Aracena | Mauricio | Mauricio.Aracena@ericsson.com | Ericsson LM | Ericsson España S.A. | ETSI | Present |
| AUMONT | FRANCK | franck.aumont@interdigital.com | InterDigital France R&D, SAS | InterDigital Belgium. LLC | ETSI | Absent |
| BAUDUIN | BAUDUIN | stephane.bauduin@orange.com | Orange | Orange | ETSI | Absent |
| Bouazizi | Imed | bouazizi@qti.qualcomm.com | Qualcomm Incorporated | Qualcomm Technologies Ireland | ETSI | Present |
| Bradbury | Richard | richard.bradbury@rd.bbc.co.uk | BBC | BBC | ETSI | Present |
| Bruhn | Stefan | stefan.bruhn@dolby.com | Dolby Laboratories Inc. | Dolby Laboratories Inc. | ETSI | Present |
| Budagavi | Madhukar | m.budagavi@samsung.com | Samsung Research America | Samsung Electronics Nordic AB | ETSI | Present |
| Burdinat | Christophe | c.burdinat@ateme.com | ATEME | ATEME | ETSI | Present |
| Burman | Bo | bo.burman@ericsson.com | Ericsson LM | Ericsson France S.A.S | ETSI | Present |
| Cetinkaya | Egemen | egemen.cetinkaya@verizon.com | Verizon UK Ltd | Verizon Denmark | ETSI | Present |
| Champel | Mary-Luc | champelmaryluc@xiaomi.com | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics | CCSA | Present |
| Chan | Yee Sin | yeesinchan@fb.com | Meta Ireland | Facebook India | TSDSI | Present |
| Chen | Lulin | lulin.chen@mediatek.com | MediaTek Inc. | MediaTek Inc. | ETSI | Present |
| Chiba | Tsunehiko | tsunehiko.chiba@viavisolutions.com | VIAVI Solutions | VIAVI Solutions | ETSI | Present |
| Choi | Hyung-Nam | hchoi5@lenovo.com | Motorola Mobility UK Ltd. | Motorola Mobility UK Ltd. | ETSI | Present |
| Chou | Joey | joey.chou@intel.com | Intel Corporation (UK) Ltd | Intel Korea, Ltd. | TTA | Present |
| Curcio | Igor | igor.curcio@nokia.com | Nokia Corporation | Nokia Italy | ETSI | Present |
| Dawkins | Spencer | sdawkins@tencent.com | Tencent | Tencent | CCSA | Present |
| De Bont | Frans | frans.de.bont@philips.com | Philips International B.V. | Philips International B.V. | ETSI | Present |
| Defrance | Serge | serge.defrance@interdigital.com | InterDigital France R&D, SAS | InterDigital, Inc. | ETSI | Present |
| Doehla | Stefan | stefan.doehla@iis.fraunhofer.de | Fraunhofer IIS | Fraunhofer IIS | ETSI | Present |
| Donovan | Steve | steve.donovan@oracle.com | Oracle Corporation | Oracle Corporation | ETSI | Absent |
| Ehara | Hiroyuki | ehara.hiroyuki@jp.panasonic.com | Panasonic Holdings Corporation | Panasonic Holdings Corporation | ARIB | Present |
| El Essaili | Ali | ali.el.essaili@ericsson.com | Ericsson GmbH, Eurolab | Ericsson Limited | ETSI | Present |
| Fontaine | Loic | loic.fontaine@interdigital.com | InterDigital France R&D, SAS | InterDigital France R&D, SAS | ETSI | Present |
| Gabin | Frederic | Frederic.Gabin@dolby.com | Dolby Laboratories Inc. | Dolby Laboratories Inc. | ETSI | Present |
| Gao | Shuai | gaos30@chinaunicom.cn | China Unicom | China Unicom | CCSA | Present |
| Gao | Yuan | gaoyuan65@huawei.com | Huawei Technologies France | Huawei Technologies France | ETSI | Absent |
| Gibellino | Diego | diego.gibellino@telecomitalia.it | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. | ETSI | Present |
| Godoy | Gabriela | gabriela@sdisquared.com | SDI Squared | SDI Squared | ETSI | Present |
| Gorley | Paul | paul.gorley@bbc.co.uk | BBC | BBC | ETSI | Absent |
| Gu | Xiaojun | guxiaojun1@huawei.com | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies R&D UK | ETSI | Absent |
| Gudumasu | Srinivas | srinivas.gudumasu@interdigital.com | InterDigital Communications | InterDigital Communications | ATIS | Present |
| Gunkel | Simon | simon.gunkel@tno.nl | TNO | KPN N.V. | ETSI | Present |
| Guo | Yi | yi.guo@intel.com | Intel Corporation (UK) Ltd | Intel Belgium SA/NV | ETSI | Present |
| Hamza | Ahmed | Ahmed.Hamza@InterDigital.com | InterDigital Communications | InterDigital Communications | ATIS | Present |
| Han | Jaemin | jaemin.han@intel.com | Intel Technology India Pvt Ltd | Intel Romania | ETSI | Present |
| He | Xuan (Shane) | shane.he@nokia.com | Nokia Germany | Nokia France | ETSI | Present |
| He | Yong | yonghe@qti.qualcomm.com | Qualcomm Incorporated | Qualcomm Tech. Netherlands B.V | ETSI | Present |
| Heikkilä | Gunnar | gunnar.heikkila@ericsson.com | Ericsson LM | Ericsson Japan K.K. | ARIB | Present |
| Henry | Dan | dhenry@ntia.gov | NTIA | NTIA | ATIS | Absent |
| Holub | Jan | jan.holub@mesaqin.com | Mesaqin.com s.r.o (Ltd.) | Mesaqin.com s.r.o (Ltd.) | ETSI | Present |
| Homkar | Ajay | ahomkar@cadence.com | Cadence Design Systems Inc. | Cadence Design Systems Inc. | ETSI | Absent |
| Howells | Elfed | elfed.howells@huawei.com | Huawei Technologies R&D UK | Huawei Device Co., Ltd | CCSA | Present |
| Hu | James | qh8316@att.com | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL | ETSI | Present |
| Jansson Toftgård | Tomas | tomas.toftgard@ericsson.com | Ericsson LM | Ericsson Inc. | ATIS | Present |
| Jelinek | Milan | Milan.Jelinek@USherbrooke.ca | VoiceAge Corporation | VoiceAge Corporation | ETSI | Present |
| Jian | Mengzhen | jianmz@chinatelecom.cn | China Telecommunications | China Telecommunications | ETSI | Present |
| Jin | James | james.jin@vivo.com | vivo Mobile Communication Co., | GUANGDONG GENIUS TECHNOLOGY CO | CCSA | Present |
| Joshi | Rajan | r.joshi@samsung.com | Samsung Research America | Samsung Electronics Romania | ETSI | Present |
| Jung | Kyunghun | kyunghun@fb.com | Meta Ireland | Meta USA | ATIS | Absent |
| Kang | HyunJeong | hyunjeong.kang@samsung.com | Samsung R&D Institute UK | Samsung Electronics France SA | ETSI | Present |
| Karampatsis | Dimitrios | dkarampatsis@lenovo.com | Lenovo Mobile Com. Technology | Lenovo (Beijing) Ltd | CCSA | Absent |
| ke | xiaowan | xiaowan.ke@vivo.com | vivo Mobile Communication Co., | vivo Communication Technology | CCSA | Present |
| Kedalagudde | Meghashree D | meghashree.dattatri.kedalagudde@intel.com | Intel Deutschland GmbH | Intel Corporation SAS | ETSI | Present |
| Kim | Jiwoo | jiwook@fb.com | Meta Ireland | Facebook India | TSDSI | Present |
| Kim | Joel | Joelkim@fb.com | Meta Ireland | Meta Ireland | ETSI | Present |
| Kim | Wuk | wuk.kim@samsung.com | Samsung R&D Institute UK | Harman GmbH | ETSI | Present |
| Kolan | Prakash | p.kolan@samsung.com | Samsung Research America | Samsung Research America | ATIS | Present |
| Kolekar | Abhijeet | abhijeet.kolekar@intel.com | Intel Corporation (UK) Ltd | Intel | ATIS | Present |
| Kondrad | Lukasz | lukasz.kondrad@nokia.com | Nokia | Nokia Poland | ETSI | Present |
| Kroon | Peter | pkroon@apple.com | Apple Benelux B.V. | Apple Benelux B.V. | ETSI | Present |
| Kuchibhotla | Ravi | Ravi.Kuchibhotla@motorola.com | Motorola Mobility UK Ltd. | Motorola Mobility UK Ltd. | ETSI | Absent |
| Kwon | WooSuk | woosuk.kwon@lge.com | LG Electronics Inc. | LG Electronics Inc. | TTA | Absent |
| Laaksonen | Lasse | lasse.j.laaksonen@nokia.com | Nokia Corporation | Nokia UK | ETSI | Present |
| Lee | Brian | brian.lee@dolby.com | Dolby Laboratories Inc. | Dolby Laboratories Inc. | ETSI | Present |
| Lee | Hakju Ryan | hakju00.lee@samsung.com | Samsung R&D Institute UK | SAMSUNG R&D INSTITUTE JAPAN | ARIB | Present |
| Lei | Yixue | yixuelei@tencent.com | Tencent | Tencent | CCSA | Present |
| Lemotheux | Julien | julien.lemotheux@orange.com | Orange | Orange Spain | ETSI | Present |
| Leung | Nikolai | nleung@qti.qualcomm.com | Qualcomm CDMA Technologies | Qualcomm Incorporated | ATIS | Present |
| LI | QIUTING | li.qiuting@zte.com.cn | ZTE Corporation | ZTE Corporation | ETSI | Absent |
| Liangping | Ma | lpma@qti.qualcomm.com | Qualcomm Austria RFFE GmbH | QUALCOMM Europe Inc. - Italy | ETSI | Present |
| Libunao | Gerardo | gerry.libunao@verizon.com | Verizon UK Ltd | Verizon UK Ltd | ETSI | Present |
| Lin | YuanChieh (Carlson) | Carlson.Lin@mediatek.com | MediaTek Inc. | MediaTek (Shenzhen) Inc. | CCSA | Absent |
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