Audio Engineering Society
Standards Committee

Notice and DRAFT agenda

for the meeting of the
SC-02-12 Working Group on audio applications of networks
of the SC-02 Subcommittee on Digital Audio

To be held in conjunction with the upcoming AES 149th Convention.
The meeting is scheduled to take place online, 2020-10.
Please check the latest schedule at: *http://www.aes.org/standards/*

1. Formal notice on patent policy

2. Introduction to working group and attendees

3. Amendments to and approval of agenda

Note that projects where there is no current proposal for revision or amendment, and where there is at least 12 months before any formal review is due, are listed in an annex to this agenda. Please let the chair know if you propose to discuss any projects in this annex.

4. Approval of report of previous meeting, held online, 2020-05.

5. Open Projects

NOTE: One or more of these projects may be in the process of a formal Call for Comment (CFC), as indicated by the project status. In these cases only, due process requires that any comments be published.

AES67-R Review of AES67-2018, AES standard for audio applications of networks - High-performance streaming audio-over-IP interoperability *SC-02-12*

scope: *This standard defines an interoperability mode for transport of high-performance audio over networks based on the Internet Protocol. For the purposes of the standard, high-performance audio refers to audio with full bandwidth and low noise. These requirements imply linear PCM coding with a sampling frequency of 44,1 kHz and higher and resolution of 16 bits and higher. High performance also implies a low-latency capability compatible with live sound applications. The standard considers latency performance of 10 milliseconds or less.*

status: **New revision in process**

intent: Review	*initiated:* 2018	*intent target:* 2020
goal: Revised Standard		*goal target:* Continuing

AES70-2-R Review of AES70-2-2018: AES standard for audio applications of networks - Open Control Architecture - Part 2: Class structure *SC-02-12*

scope: *AES70 defines a scalable control-protocol architecture for professional media networks. X210 addresses device control and monitoring only; it does not define standards for streaming media transport. AES70 is divided into a number of separate parts. This Part 2 specifies the control class structure for X210 that defines the control and monitoring functional capabilities of the standard and should be read in conjunction with Part 1, Framework.*

status: **Revision being made**

intent: Review	*initiated:* 2015	*intent target:* 2020
goal: none		*goal target:* Continuing

AES74-R Review of AES74-2019 AES standard for audio applications of networks - Requirements for Media Network Directories and Directory Services *SC-02-12*

• These meetings are subject to the rules of the AESSC, including the AES patent policy, published on the AES standards web site.
• Please make sure you sign the attendance sheet that will be circulated. This sheet shall be passed to the secretariat after the meeting and will be used to update the membership information for this group.
• Please make sure that any documents contributed to the meeting are passed to the secretariat who will ensure they are posted to the appropriate Working Group document site.

scope: *This document sets forth technical recommendations for media network directories and directory-related services and mechanisms such as network discovery. It is hoped that this document will inform future industry directory and directory services standards.*

status: **Idle**

intent: Review	*initiated:* 2019	*intent target:* 2024
goal: Idle		*goal target:* 2024

AES-X242 Streaming audio metadata over IP *SC-02-12*

scope: *To define a standardized method for transporting metadata associated with audio in an AES67 stream. The audio metadata shall be transported in a separate stream that is sent in parallel to AES67 streams rather than part of the AES67 stream. The standard shall define synchronization between the audio metadata transport and the associated AES67 transport. The transmission method shall be low latency and have a level of network performance equivalent to AES67. Within the scope is formatting of the streaming audio metadata for transport. Suggested is an open standards based framework that supports both static and dynamic, time synchronous metadata that is optimized for live workflow applications. The standard shall consider all use cases for metadata associated with AES67, support existing AES audio metadata standards, and be extensible for future metadata requirements. The standard will consider binding between the audio metadata transport and the associated AES67 transport.*

status: **Developing draft text**

intent: Standard	*initiated:* 2017-05-18	*intent target:* 2021
goal: Committee draft		*goal target:* 2020-10

AES-X243 Audio applications of networks - Using AES70 for managing AES67 and SMPTE ST 2110-30 media stream connections. *SC-02-12*

scope: *Define a new standard in the AES70 family for using the AES70-CM3 connection management mechanism to set up, manage, and tear down AES67 and SMPTE ST 2110-30 media stream connections.*

status: **Regular online meetings to generate text**

intent: Standard	*initiated:* 2017/10/21	*intent target:* 2021
goal: Draft standard		*goal target:* 2020

6. Liaisons

7. New Projects

8. New Business

9. Date of next meeting

Annex to the agenda

The following projects assigned to this group have no current proposal for revision or amendment, and no formal review is due to report in less than 12 months.

Please let the chair know if you propose to discuss any projects in this annex.

AES58-R **Review of AES58-2008 (s2019): AES standard for digital audio - Audio applications of networks - Application of IEC 61883-6 32-bit generic data** *SC-02-12*

scope: *to describe unique requirements for professional audio carried over 1394.*

status: **Stabilized**

intent: Maintenance	*initiated:* 2019	*intent target:* None
goal: None		*goal target:* None

AES70-1-R **Review of AES70-1-2018: AES standard for audio applications of networks - Open Control Architecture - Part 1: Framework** *SC-02-12*

scope: *AES70 defines a scalable control-protocol architecture for the control and monitoring of professional media networks. AES70 addresses device control and monitoring only; it does not define standards for transporting streaming media or for describing media content. This Part 1 describes the models and mechanisms of the AES70 Open Control Architecture. These models and mechanisms together form the AES70 Framework. This document should be read in conjunction with Part 2, Class Structure and Part 3, TCP/IP communications protocol.*

status: **Revision published in early 2019**

intent: Review	*initiated:* 2015	*intent target:* 2024
goal: Status report		*goal target:* Continuing

AES70-3-R **Review of AES70-3-2018: AES standard for audio applications of networks - Open Control Architecture - Part 3: Protocol for TCP/IP networks** *SC-02-12*

scope: *AES70 defines a scalable control-protocol architecture for professional media networks. AES70 addresses device control and monitoring only; it does not define standards for streaming media transport. AES70 is divided into a number of separate parts. This Part 3 specifies a protocol implementation for TCP/IP networks. It should be read in conjunction with Part 1, Framework, and Part 2, Class Tree.*

status: **Revision published in early 2019**

intent: Review	*initiated:* 2015	*intent target:* 2024
goal: Status report		*goal target:* Continuing

AES71-R **AES Recommended Practice: Loudness Guidelines for Over the Top Television and Online Video Distribution** *SC-02-12*

scope: *This AES document addresses OTT and OVD Loudness challenges by leveraging already established Over-the-Air Television practices, providing guidelines focused on the Loudness and Content Dynamic Range for connected set-top and mobile devices. When followed, these guidelines will: • Provide consistent Loudness across different Programs, service providers and advertising Content • Provide appropriate playback Loudness Range for different devices and listening conditions • Prevent excessive Peak Limiting or*

other processing from degrading the audio quality • Preserve the artistic intent of wide Dynamic Range content (movies, drama, live music) • Improve the listening experience

status: **AES71-2018 published**

intent: Review	*initiated:* 2017-10	*intent target:* 2022
goal: Status Report		*goal target:* continuing

AES-R10-R Review of AES-R10-2008, AES standards project report - Use cases for networks in professional audio *SC-02-12*

scope: *to identify and clarify use cases for networks in professional audio applications for Recording , Live sound, and Installations*

status: **Revision halted until effort available to re-start**

intent: Revision	*initiated:* 2008-08-25	*intent target:* 2013
goal: PTD		*goal target:* 2013-05

AES-R16 AES Standards Report - PTP parameters for AES67 and SMPTE ST 2059-2 interoperability *SC-02-12*

scope: *Three profiles for Precision Time Protocol (PTP) might potentially be used in the professional media environment: the Peer-to-Peer Default PTP Profile of IEEE Std 1588-2008, the Media Profile of AES67 and the SMPTE Profile of SMPTE ST 2059-2. This report compares the profiles and identifies features and parameter ranges that should enable interoperability among equipment conforming to the different profiles.*

status: **AES-R16-2016 published 2016-05-02**

intent: Report	*initiated:* 2016-04-23	*intent target:* none
goal: none		*goal target:* none

End of annex to agenda