AES STANDARDS COMMITTEE REPORT

April 2018

AUDIO
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STANDARDS

AES Standards Committee Liaison report April 2018

AUDIO ENGINEERING SOCIETY, INC.
551 Fifth Avenue, New York, NY 10176, US.

The Audio Engineering Society

The Audio Engineering Society (AES), now in its seventh decade, is the only professional society devoted exclusively to audio technology. Its membership of leading engineers, scientists and other authorities has increased dramatically throughout the world, greatly boosting the society's stature and that of its members in a truly symbiotic relationship.

The Journal of the Audio Engineering Society, the official publication of the AES, is the only peer-reviewed journal devoted exclusively to audio technology. It contains state-of-the-art technical papers and engineering reports; features covering timely topics; reports of AES conventions and other society activities; news of AES sections around the world; Standards Committee work; membership, patents, new products, and newsworthy developments.

The AES Standards Committee

The AES Standards Committee (AESSC) is the organization responsible for the standards programme of the Audio Engineering Society. It publishes a number of technical standards, information documents and technical reports.

Working groups and task groups with a fully international membership are engaged in developing standards covering fields that include topics of specific relevance to professional audio technology.

Organised into four subcommittees, 11 separate working groups are currently developing standards for professional audio, with an emphasis on interoperability and functional compatibility between audio systems and equipment of different manufacture.

SC-02	**Digital audio interfaces**	Digital Audio Measurements, Digital Input-Output Interfaces, Audio-File Transfer and Exchange, Audio Applications of Networks
SC-04	**Acoustics**	Acoustics and Sound Source Modeling, Loudspeaker Modeling and Measurement, Microphone Characteristics
SC-05	**Audio Interconnections**	Audio Connectors, Grounding and Electromagnetic Compatibility Practices
SC-07	**Audio Metadata**	Metadata systems for libraries & archives, Broadcasting

Membership of any AES standards working group is open to all individuals who are materially and directly affected by the documents that may be issued under the scope of that working group.

The procedures of the AESSC follow consensus due process rules, and its document structures and conventions closely follow current ISO/IEC directives.

Complete information, including scopes of working groups, project status, and details of new projects is available at http://www.aes.org/standards. Enquiries may be addressed to standards@aes.org.

www.aes.org/standards/

AESSC significant changes, 2017

On May 31st of 2016 Mark Yonge, the AES Standards Secretary, retired. Dr. Richard Cabot assumed the post after having shadowed Mr. Yonge since November of 2016. Email communication with the secretary continues at standards@aes.org. Physical mail and telephonic communication addresses have changed. New address information may be found on the last page of this report.

AESSC output, 2017

The following table lists new and revised documents published by the AES in the year to December 2017.

AES-R17-2017 **Standards project report - AES67 Interoperability PlugFest - London 2017**
[New document; pub. 2017-04-28]

The following documents were reaffirmed:

AES-1id-2012 **AES Information Document for Acoustics - Plane-Wave Tubes - Design and Practice**

AES-2id-2012 **AES information document for digital audio engineering - Guidelines for the use of the AES3 interface**

AES41-1-2012 **AES standard for digital audio - Audio-embedded metadata - Part 1: General**

AES41-2-2012 **AES standard for digital audio - Audio-embedded metadata - Part 2: MPEG-1 Layer II or MPEG-2 LSF Layer II**

AES41-3-2012 **AES standard for digital audio - Audio-embedded metadata - Part 3: AAC & HE-AAC**

AES41-4-2012 **AES standard for digital audio - Audio-embedded metadata - Part 4: Dolby E**

AES41-5-2012 **AES standard for digital audio - Audio-embedded metadata - Part 5: EBU loudness, true-peak, and downmix**

AES55-2012 **AES standard for digital audio engineering - Carriage of MPEG Surround in an AES3 bitstream**

The following documents were stabilized:

AES-6id-2006 **AES information document for digital audio - Personal computer audio quality measurements**

AES-14id-2010 **AES information document for interconnections - Universal jack for IEC 60603-11 and B-gauge 6,35 mm plugs**

AES26-2001 **AES recommended practice for professional audio interconnections - Conservation of the polarity of audio signals**

AES45-2001 **AES standard for single programme connectors - Connectors for loudspeaker-level patch panels**

AES47-2006 **AES standard for digital audio - Digital input-output interfacing - Transmission of digital audio over asynchronous transfer mode (ATM) networks**

AES50-2011 **AES standard for digital audio engineering - High-resolution multi-channel audio interconnection (HRMAI)**

AES51-2006 **AES standard for digital audio – Digital input-output interfacing – Transmission of ATM cells over Ethernet physical layer**

AES-R4 2007 **AES standards project report - Guidelines for AES standard for digital audio - Digital input-output interfacing - Transmission of digital audio over asynchronous transfer mode (ATM) networks, AES47**

AES-R6-2011 **AES project report - Guidelines for AES standard for digital audio engineering - High resolution multi-channel audio interconnection (HRMAI), AES50**

AES-R11 2009 **AES standards project report - Methods for the measurement of audio-video synchronization error**

AES-R12 2014 **Standards project report - AES67 Interoperability PlugFest - Munich 2014**

AES-R15 2015 **Standards project report - AES67 Interoperability PlugFest - Washington 2015**

Calls For Comment

The following document is currently published as a public call for comment at:
http://www.aes.org/standards/comments/

AES71-xxxx *AES Recommended Practice - Loudness Guidelines for Over the Top Television and Online Video Distribution.* The Call for Comment on DRAFT AES71-xxxx, was published 2018-03-28.

New Projects

Newly initiated projects and scopes are listed at:
http://www.aes.org/standards/meetings/new-projects.cfm

Project AES-X242 **A standardized method for transporting metadata associated with audio in an AES67 stream**, has been initiated 2017-10-21 by Subcommittee SC-02 and assigned to Working Group SC-02-12 on Audio Networking.

Project AES-X243 **AES70 Recommended Practice for AES67 Connection Management**, has been initiated 2017-10-31 by Subcommittee SC-02 and assigned to Working Group SC-02-12 on Audio Networking.

Project AES-X244 **AES Recommended Practice: Loudness Guidelines for Over the Top Television and Online Video Distribution**, Initiated on 2017-11-01 by Subcommittee SC-02, and assigned to Working Group SC-02-12 on Audio Networking.

Project AES-X246 **Application of RJ45-type connectors to professional audio**, Initiated on 2017-11-20 by Subcommittee SC-05, and assigned to Working Group SC-05-02 on Audio Connectors.

Publications

A full list of published documents, including searchable titles and abstracts, is available on the AES Web site at: http://www.aes.org/publications/standards/

Liaisons

The AES Standards Committee enjoys active liaisons with many standards organisations in various related fields; (The following list is not exhaustive)

IEC TC100, ISO/IEC JTC 1/SC 29, ITU-R SRG-3, EBU, SMPTE, ALMA

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