# AES STANDARDS COMMITTEE REPORT

# AUDIO STANDARDS

**AES Standards Committee
Liaison report
October 2019**

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

*www.aes.org/standards/about/aessc-liaisons.cfm*

## 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.

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|---|---|---|
| **SC-02** | **Digital audio interfaces** | Digital Audio Measurements, Digital Input-Output Interfaces, Audio-File Transfer and Exchange, Audio Applications of Networks |
| **SC-04** | **Acoustics** | Loudspeaker Modelling and Measurement, Microphone Characteristics, Sound Systems in Rooms, Acoustic Annoyance |
| **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 output, 2019*

The following table lists new and revised documents published by the AES in the year to October 2019.

AES31-2-2019      **AES standard on digital audio – File format for transferring digital audio data between systems of different type and manufacture**
*[New document; printed 2019-05-22]*

AES48-2019        **AES standard on interconnections — Grounding and EMC practices — Shields of connectors in audio equipment containing active circuitry**
*[Revised document; printed 2019-03-06]*

AES70-1-2018      **AES standard for audio applications of networks - Open Control Architecture - Part 1: Framework**
*[Revised document; printed 2019-01-14]*

AES70-2-2018      **AES standard for audio applications of networks - Open Control Architecture - Part 2: Class structure**
*[Revised document; printed 2019-01-14]*

AES70-3-2018      **AES standard for audio applications of networks - Open Control Architecture - Part 3: OCP.1: Protocol for IP Networks**
*[Revised document; printed 2019-01-14]*

AES72-2019        **AES standard on interconnections — Application of RJ45-type connectors and quad twisted pair cable for audio interconnections**
*[New document; printed 2019-07-07]*

AES-73id-2019     **AES information document for acoustics – Loudspeaker driver comparison chambers**
*[New document; printed 2019-07-07]*

The following documents were reaffirmed:

AES3-1-2009       **AES standard for digital audio — Digital input-output interfacing — Serial transmission format for two-channel linearly-represented digital audio data — Part 1: Audio Content**

AES3-2-2009       **AES standard for digital audio — Digital input-output interfacing — Serial transmission format for two-channel linearly-represented digital audio data — Part 2: Metadata and Subcode**

AES3-3-2009       **AES standard for digital audio — Digital input-output interfacing — Serial transmission format for two-channel linearly-represented digital audio data — Part 3: Transport**

AES3-4-2009       **AES standard for digital audio — Digital input-output interfacing — Serial transmission format for two-channel linearly-represented digital audio data — Part 4: Physical and electrical**

AES-5id-1997      **AES information document for acoustics - Loudspeaker modeling and measurement - Frequency and angular resolution for measuring, presenting, and predicting loudspeaker polar data**

AES10-2008        **AES Recommended Practice for Digital Audio Engineering — Serial Multichannel Audio Digital Interface (MADI)**

AES11-2009        **AES recommended practice for digital audio engineering - Synchronization of digital audio equipment in studio operations**

AES31-3-2008      **AES standard for network and file transfer of audio - Audio-file transfer and exchange - Part 3: Simple project interchange**

AES54-1-2008      **AES standard on interconnections - Grounding and EMC practices - Connection of cable shields within connectors attached to portable balanced audio cables**

AES54-2-2008      **AES standard on interconnections - Grounding and EMC practices - Shields of balanced audio wiring within fixed and portable passive connector panels, jack fields, and passive microphone splitters**

AES54-3-2008      **AES standard on interconnections - Grounding and EMC practices - Shields of balanced microphone-level outputs of active equipment other than microphones**

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| **AES56-2008** | **AES standard on acoustics - Sound source modeling - Loudspeaker polar radiation measurements** |
| **AES68-2014** | **AES standard for audio connectors - XL Connectors to Improve Electromagnetic Compatibility** |

The following documents were stabilized:

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|---|---|
| **AES20-1996** | **AES recommended practice for professional audio — Subjective evaluation of loudspeakers** |
| **AES18-1996** | **AES recommended practice for digital audio engineering — Format for the user data channel of the AES digital audio interface** |
| **AES14-1992** | **AES standard for professional audio equipment — Application of connectors, part 1, XLR-type polarity and gender** |
| **AES58-2008** | **AES standard for digital audio - Audio applications of networks - Application of IEC 61883-6 32-bit generic data** |

## *Calls For Comment*

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

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|---|---|
| **AES42-xxxx** | *AES standard for acoustics — Digital interface for microphones*. The Call for Comment on DRAFT REVISED AES42-xxxx, was published 2019-09-29. |
| **AES74-xxxx** | *AES standard for audio applications of networks - Requirements for Media Network Directories and Directory Services*. The Call for Comment on DRAFT AES74-xxxx, was published 2019-10-09. |

## *New Projects*

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

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| **Project AES-X249** | **Shields of 25-way D-type connectors in balanced circuits**, has been initiated 2019-07-24 by Subcommittee SC-05 and assigned to Working Group SC-05-05 on Grounding and EMC Practices. |
| **Project AES-X250** | **Measuring loudspeaker maximum linear peak SPL using noise**, has been initiated 2019-08-24 by Subcommittee SC-04 and assigned to Task Group SC-04-03-A of Working Group SC-04-03 on Loudspeaker Modelling and Measurement. |

# 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**

# Contact

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