

# AES STANDARDS COMMITTEE REPORT

September 2009



**AES Standards Committee  
Liaison report  
September 2009**

**AUDIO ENGINEERING SOCIETY, INC.**  
60 East 42nd Street, New York, New York 10165, US.

## The Audio Engineering Society

The Audio Engineering Society (AES), now in its fifth 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 writing standards covering fields that include topics of specific relevance to professional audio technology.

Organised into four subcommittees, 16 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.

<b>SC-02</b>	<b>Digital audio interfaces</b>	Digital Audio Measurements, Digital Input-Output Interfaces, Audio-File Transfer and Exchange, Audio Applications of Networks, Internet Audio Delivery
<b>SC-03</b>	<b>Preservation &amp; restoration</b>	Analog Recording, Transfer Technologies, Storage and Handling of Media, Digital Library and Archive Systems, Audio Metadata, Forensic Audio
<b>SC-04</b>	<b>Acoustics</b>	Acoustics and Sound Source Modeling, Loudspeaker Modeling and Measurement, Microphone Characteristics
<b>SC-05</b>	<b>Audio Interconnections</b>	Audio Connectors, Grounding and Electromagnetic Compatibility Practices

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](mailto:standards@aes.org).

## **AESSC output, 2008/09**

The following table lists new documents from the AESSC, published by the AES in the previous 12 months

### **STANDARDS**

AES3-Am6-2008	Amendment 6 to AES standard for digital audio - Digital input-output interfacing - Serial transmission format for two channel linearly represented digital audio data. <i>[New document, published 2008-11-12]</i>
AES5-2008	AES recommended practice for professional digital audio - Preferred sampling frequencies for applications employing pulse-code modulation (revision of AES5-1997) <i>[Revised document, published 2008-11-12]</i>
AES6-2008	Method for measurement of weighted peak flutter of sound recording and reproducing equipment <i>[Revised document, published 2009-02-16]</i>
AES10-2008	AES Recommended Practice for Digital Audio Engineering - Serial Multichannel Audio Digital Interface (MADI) <i>[Revised document, published 2009-02-16]</i>
AES11-2009	AES recommended practice for digital audio engineering - Synchronization of digital audio equipment in studio operations. <i>[Revised document, published 2009-06-01]</i>
AES31-2-Am1-2008	Amendment 1 to AES31-2 - Audio-file transfer and exchange - Part 2: File Format for Transferring Digital Audio Data Between Systems of Different Type and Manufacture - Extended file format for audio to exceed 4 GByte <i>[New document, published 2009-02-16]</i>
AES47-Am1-2008	Amendment 1 to AES47 - AES standard for digital audio - Digital input-output interfacing - Transmission of digital audio over asynchronous transfer mode (ATM) networks <i>[New document, published 2009-02-16]</i>
AES54-1-2008	AES standard on interconnections - Grounding and EMC practices - Connection of cable shields within connectors attached to portable balanced audio cables <i>[New document, published 2009-01-09]</i>
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 <i>[New document, published 2009-01-09]</i>
AES54-3-2008	AES standard on interconnections - Grounding and EMC practices - Shields of balanced microphone-level outputs of active equipment other than microphones <i>[New document, published 2009-01-09]</i>
AES56-2008	AES standard on acoustics - Sound source modeling - Loudspeaker polar radiation measurements <i>[New document, published 2009-01-09]</i>
AES58-2008	AES standard for digital audio - Audio applications of networks - Application of IEC 61883-6 32-bit generic data. <i>[New document, published 2008-10-03]</i>

### **CALLS FOR COMMENT**

AES3-1-xxxx	<p>A Call for Comment on DRAFT REVISED AES3, <i>AES standard for digital audio – Digital input-output interfacing – Serial transmission format for two-channel linearly represented digital audio data.</i>, was published 2009-09-30.</p> <p>The revision comprises four complementary parts to simplify implementation of this standard over an increasingly wide range of applications.</p> <p>Part 1: Audio Content                  Part 2: Metadata and Subcode                  Part 3: Transport                  Part 4: Physical and electrical</p>
AES3-2-xxxx	
AES3-3-xxxx	
AES3-4-xxxx	

## 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/>

## Development projects

*Some current development projects include:* Screenless navigation for High-Resolution audio on Blu-ray Disc; Connector for surround microphones; Specification of loudspeaker components (revision); Simple project interchange XML implementation; Fiber-Optic Connections for Audio; Administrative metadata for audio objects; Universal female phone jack; Synchronisation of audio over IEEE 1394; AV Sync, “lipsync”; Production recording metadata set; AES3 over data cable with ethernet control.

## Liaisons

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

**IEC TC100**  
**ISO/IEC JTC 1/SC 29**  
**ITU-R SRG-3**  
**SMPTE**  
**EBU**  
**1394TA**  
**i3a**  
**ALMA**

## Contact

### **AES International Headquarters:**

Audio Engineering Society, Inc.  
60, East 42nd Street, Suite 2520  
New York, NY. 10165-2520,  
USA

Tel. +1 212 661 8528

Fax: +1 212 682 0477

Web: <http://www.aes.org>

### **AES Standards Secretariat**

Mark Yonge; AES Standards Secretary  
The Brambles, Awre Road,  
Blakeney, Gos. GL15 4AA  
UK

Tel/Fax: +44 1594 517200

Email: [standards@aes.org](mailto:standards@aes.org)

Web: <http://www.aes.org/standards/>