AES STANDARDS COMMITTEE REPORT

AES Standards Committee
Liaison report
September 2011

AUDIO ENGINEERING SOCIETY, INC.
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www.aes.org/standards/about/aessc-liaisons.cfm

The Audio Engineering Society

The Audio Engineering Society (AES), now in its sixth 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.

SC-02	**Digital audio interfaces**	Digital Audio Measurements, Digital Input-Output Interfaces, Audio-File Transfer and Exchange, Audio Applications of Networks, Internet Audio Delivery
SC-03	**Preservation & restoration**	Analog Recording, Transfer Technologies, Storage and Handling of Media, Digital Library and Archive Systems, Audio Metadata, Forensic Audio
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

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.

AESSC output, 2010 to 2011

The following table lists AESSC documents published or withdrawn by the AES in the year to Oct. 2011.

STANDARDS DOCUMENTS

AES42-2010   **AES standard for acoustics - Digital interface for microphones.**
[Revised document, published 2011-03-07.]

AES43-2000 (r2010)   **AES standard for forensic purposes - Criteria for the authentication of analog audio tape recordings** *[Reaffirmed 2010-12-02]*

AES50-2011   **AES standard for digital audio engineering - High-resolution multi-channel audio interconnection (HRMAI)**. *[Revised document, published 2011-09-21.]*

AES57-2011   **AES standard for metadata - Audio object structures for preservation and restoratio**n. *[New document, published 2011-09-22.]*

AES60-2011   **AES standard for audio metadata - Core audio metadata**
[New document, published 2011-09-21]

AES-21id-2011   **AES Information Document for audio-file transfer and exchange - Screen-less navigation for high-resolution audio on Blu-ray Disc™.**
[New document, published 2011-04-26.]

AES-R6-2011   **AES project report - Guidelines for AES standard for digital audio engineering - High resolution multi-channel audio interconnection (HRMAI), AES50**
[Revised document, published 2011-09-21]

CURRENT CALLS FOR COMMENT

AES62-xxxx   DRAFT *AES standard for audio connectors - Modified XLR-3 Connector for Digital Audio*, published for comment 2011-06-17

AES26-2001   REAFFIRMATION: *AES recommended practice for professional audio - Conservation of the polarity of audio signals*, published for comment 2011-06-20.

AES31-1-2001   REAFFIRMATION: *AES standard for network and file transfer of audio - Audio-file transfer and exchange - Part 1: Disk format*, published for comment 2011-07-08

AES43-2000   REAFFIRMATION: *AES standard for forensic audio - Criteria for the authentication of analog audio tape recordings*, published for comment 2010-08-24.

AES45-2001   REAFFIRMATION: *AES standard for single programme connectors - Connectors for loudspeaker-level patch panels*, published for comment 2011-06-20.

AES47-2006   REAFFIRMATION: *AES standard for digital audio - Digital input-output interfacing - Transmission of digital audio over asynchronous transfer mode (ATM) networks*, published for comment 2011-07-08.

AES51-2006   REAFFIRMATION: *AES standard for digital audio - Digital input-output interfacing - Transmission of ATM cells over Ethernet physical layer*, published for comment 2011-07-08.

AES52-2006   REAFFIRMATION: *AES standard for digital audio engineering - Insertion of unique identifiers into the AES3 transport stream*, published for comment 2011-07-08.

AES53-2006   REAFFIRMATION: *AES Standard for digital audio - Digital input-output interfacing - Sample-accurate timing in AES47*, published for comment 2011-07-08.

AES-6id-2006   REAFFIRMATION: *AES information document for digital audio - Personal computer audio quality measurements*, published for comment 2011-06-20.

AES-12id-2006   REAFFIRMATION: *AES information document for digital audio measurements - Jitter performance specifications*, published for comment 2011-06-20.

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: Audio over IP networks;Control, monitoring and connection management for networked digital audio equipment; Connector for surround microphones; Simple project interchange XML implementation; Fiber-Optic Connections for Audio; Administrative metadata for audio objects; 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
ALMA

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