AES STANDARDS COMMITTEE REPORT

AES Standards Committee
Liaison report
October 2007

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.

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 and project status is available at http://www.aes.org/standards. Enquiries may be addressed to standards@aes.org

AESSC output, 2006/07

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

STANDARDS

AES31-2-2006   Audio-file transfer and exchange - Part 2: File Format for Transferring Digital Audio Data Between Systems of Different Type and Manufacture (BWF) *[New Document]*

AES42-2006   AES Standards for Acoustics - Digital interface for microphones *[Substantial Revision]*

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

AES52-2006   AES standard for digital audio engineering - Insertion of unique identifiers into the AES3 transport stream *[New Document]*

AES53-2006   AES Standard for digital audio - Digital input-output interfacing - Sample-accurate timing in AES47 *[New Document]*

INFORMATION DOCUMENTS

AES-2id-2006   AES information document for digital audio engineering - Guidelines for the use of the AES3 interface *[Substantial Revision]*

AES-6id-2006   AES information document for digital audio - Personal computer audio quality measurements *[Substantial Revision]*

AES-11id-2006   AES Information document for Preservation of audio recordings - Extended term storage environment for multiple media archives *[New Document]*

AES-12id-2006   AES Information Document for digital audio measurements - Jitter performance specifications *[New Document]*

REPORTS

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

AES-R7-2006   AES standards project report - Considerations for accurate peak metering of digital audio signals *[New Document]*

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: Specification of loudspeaker components (revision); Simple project interchange (revision); Simple project interchange XML implementation; Fiber-Optic Connections for Audio; Internet Audio Quality Descriptions (IAQUAD); Loudspeaker Polar Radiation Measurements; Administrative metadata for audio objects; Universal female phone jack; Synchronisation of audio over IEEE 1394; Connection of cable shields, balanced audio cables; Detailed specification of DSP filter "Q"; Use cases for networks in professional audio; AV Sync, "lipsync"; Production recording metadata set.

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 TC29

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
Glos. GL15 4AA
UK
Tel/Fax: +44 1594 517200
Email: standards@aes.org
Web: http://www.aes.org/standards/