AES STANDARDS COMMITTEE REPORT

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STANDARDS

**AES Standards Committee
Liaison report
September 2012**

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 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, 10 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.

AESSC output, 2011 to 2012

The following table lists AESSC documents published or withdrawn by the AES in the year to Sept. 2012.

AES63-2012   **AES standard for interconnections - Data connector in an XLR connector shell**
[New document, published 2012-08-03]

AES62-2011   **AES standard for audio connectors - Modified XLR-3 Connector for Digital Audio**
[New document, published 2011-10-06]

AES59-2012   **AES standard for professional audio - Audio application of 25-way D-type connectors in balanced circuits** *[New document, published 2012-08-18]*

AES53-2006 (r2011)   **AES standard for digital audio — Digital input-output interfacing — Sample-accurate timing in AES47** *[Reaffirmed 2011-10-17]*

AES52-2006 (r2011)   **AES standard for digital audio engineering — Insertion of unique identifiers into the AES3 transport stream** *[Reaffirmed 2011-10-17]*

AES51-2006 (r2011)   **AES standard for digital audio – Digital input-output interfacing – Transmission of ATM cells over Ethernet physical layer** *[Reaffirmed 2011-10-17]*

AES47-2006 (r2011)   **AES standard for digital audio - Digital input-output interfacing - Transmission of digital audio over asynchronous transfer mode (ATM) networks** *[Reaffirmed 2011-10-17]*

AES45-2001 (r2011)   **AES standard for single programme connectors — Connectors for loudspeaker-level patch panels** *[Reaffirmed 2011-10-06]*

AES41-1-2012   **AES standard for digital audio - Audio-embedded metadata - Part 1: General** *[Revised document, published 2012-07-20]*

AES41-2-2012   **AES standard for digital audio - Audio-embedded metadata - Part 2: MPEG-1 Layer II or MPEG-2 LSF Layer II** *[Revised document, published 2012-07-20]*

AES41-3-2012   **AES standard for digital audio - Audio-embedded metadata - Part 3: AAC & HE-AAC** *[New document, published 2012-07-20]*

AES41-4-2012   **AES standard for digital audio - Audio-embedded metadata - Part 4: Dolby E** *[New document, published 2012-07-20]*

AES41-5-2012   **AES standard for digital audio - Audio-embedded metadata - Part 5: EBU loudness, true-peak, and downmix** *[New document, published 2012-07-20]*

AES31-1-2001 (r2011)   **AES standard for network and file transfer of audio - Audio-file transfer and exchange - Part 1: Disk format** *[Reaffirmed 2011-10-17]*

AES26-2001 (r2011)   **AES recommended practice for professional audio interconnections — Conservation of the polarity of audio signals** *[Reaffirmed 2011-10-06]*

AES-6id-2006 (r2011)   **AES information document for digital audio - Personal computer audio quality measurements** *[Reaffirmed 2011-10-06]*

AES-12id (r2011)   **AES Information Document for digital audio measurements - Jitter performance specifications** *[Reaffirmed 2011-10-06]*

Current Calls For Comment

AES6-2008   REAFFIRMATION: **AES Standard - Method for Measurement of Weighted Peak Flutter of Sound Recording and Reproducing Equipment**, CFC pub. 2012-08-16

AES-2id-xxxx   DRAFT REVISED **AES information document for digital audio engineering - Guidelines for the use of the AES3 interface**, CFC published 2012-08-16.

AES-11id-2006   REAFFIRMATION: **AES information document for preservation of audio recordings - Extended term storage environment for multiple media archives**, CFC published 2012-08-16.

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 interoperability 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
EBU
SMPTE
1394TA
ALMA

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