STANDARDS AND INFORMATION DOCUMENTS

AES24-2tu-1999
(withdrawn 2004)

STANDARDS

DRAFT AES standard for sound system control - Application protocol for controlling and monitoring audio devices via digital data networks - Part 2: Data types, constants, and class structure (Publication for trial use only) (Withdrawn 2004)

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STANDARDS AND INFORMATION DOCUMENTS

PROPOSED DRAFT for trial use and discussion

AES standard for sound system control — application protocol for controlling and monitoring audio devices via digital data networks — Part 2, data types, constants, and class structure

This document was developed by a writing group of the Audio Engineering Society Standards Committee (AESSC) and has been prepared for discussion according to AES policies and procedures. It has been brought to the attention of International Electrotechnical Commission Technical Committee 100. Existing international standards relating to the subject of this document were used and referenced throughout its development.

AESSC wishes to provide opportunity for discussion and trial use before the document is presented as a call for comment leading to finalization of the standard. It is therefore initiating a process of public discussion via the Internet. The AESSC recognizes that a configuration standard such as this document will ultimately be tested in its application and that trial use will show need for additional changes, modifications and additions. As initially made available, the standard lacks basic components. Primary among them are the network-management classes and the matrix classes. Without the set of network-management classes (which include the events and methods needed for system initialization), an AES-24 system cannot start.

This document is intended to change and will be prepared as a call for comment only after the working group is satisfied that the document is ready. Changes will made and the document updated as they are agreed upon, based on the discussion, by a task group of SC-10-02. As editorial changes, particularly in the organization of the document, become necessary they will be made by the AESSC secretariat. The working group will be informed by reflector mail each time the document posting is updated. Participants in the discussion should be certain they are working with the latest posting as shown in the headers and footers of the document.

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PROPOSED DRAFT AES24-2-TU

PROPOSED DRAFT AES standard for sound system control — application protocol for controlling and monitoring audio devices via digital data networks — Part 2, data types, constants, and class structure

Published by
Audio Engineering Society, Inc.

Abstract

This standard specifies the class hierarchy for the AES-24 application protocol. AES-24 classes make up the conceptual framework from which AES-24 objects and the AES-24 application protocol and its message definitions are derived. This standard is intended to be used by developers of software and firmware whose applications and/or devices will be used in conjunction with an AES-24 network.

Contents

Foreword

[This foreword is not part of PROPOSED DRAFT *AES standard for sound system control — application protocol for controlling and monitoring audio devices via digital data networks — Part 2, data types, constants, and class structure*, PROPOSED DRAFT AES24-2-tu.]

PROPOSED DRAFT AES standard application protocol for controlling and monitoring audio devices via digital data networks — Data types, constants, and class structure —

1 Scope

This document describes specific classes within the class hierarchy for the AES-24 application protocol. In order to aid in orderly modification and extension of the protocol, this standard models AES-24 through an object-oriented framework in which one class may inherit characteristics from another.

To achieve a conceptual understanding of AES-24, it is not necessary to understand the details of each class as described in this (Part 2) document. However, the details described herein must be understood and followed in order to program applications and devices which will interact on an AES-24 network.

2 Normative References

The following standard contains provisions that, through reference in this text, constitute provisions of this document. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this document are encouraged to investigate the possibility of applying the most recent editions of the indicated standards.

1) AES24-1-1999 *AES standard for sound system control — Application protocol for controlling and monitoring audio devices via digital data networks — Part 1: Principles, formats, and basic procedures*. New York, Audio Engineering Society, 1999.

3 Definitions

3.1 Classes

3.1.1
descendant class
from the perspective of a particular class, class that has been derived either directly, or indirectly from that class

3.1.2
leaf class
class that has no descendants

3.1.3