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via digital data networks - Part 2: Data types, constants, and class structure (Publication for trial use only) (Withdrawn 2004)

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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.

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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

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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.

An AES standard implies a consensus of those directly and materially affected by its scope and provisions and is intended as a guide to aid the manufacturer, the consumer, and the general public. The existence of an AES standard does not in any respect preclude anyone, whether or not he or she has approved the document, from manufacturing, marketing, purchasing, or using products, processes, or procedures not in agreement with the Standard. Prior to approval, all parties were provided opportunities to comment or object to any provision. Approval does not assume any liability to any patent owner, nor does it assume any obligation whatever to parties adopting the standards document. This document is subject to periodic review and users are cautioned to obtain the latest edition.

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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.]
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.


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