# STANDARDS AND INFORMATION DOCUMENTS

AES70-3-2018
(Rev. AES70-3-2015)


## AES standard for audio applications of networks - Open Control Architecture - Part 3: Protocol for TCP/IP Networks



**AUDIO ENGINEERING SOCIETY, INC.**
**551 Fifth Avenue, New York, NY 10176. US.**

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# AES standard for audio applications of networks - Open Control Architecture - Part 3: OCP.1: Protocol for IP Networks

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**Abstract**

AES70 defines a scalable control-protocol architecture for professional media networks. AES70 addresses device control and monitoring only; it does not define standards for streaming media transport. However, the Open Control Architecture (OCA) is intended to cooperate with various media transport architectures.

AES70 is divided into a number of separate parts. This Part 3 defines a communications protocol of AES70. This protocol supports AES70-compliant remote control and monitoring of media devices over IP networks. This document should be read together with Part 1, Framework, and Part 2, Class structure.



**Audio Engineering Society Inc. 551 Fifth Avenue, New York, NY., US.**
**www.aes.org/standards - standards@aes.org**

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## Contents

## Foreword

This foreword is not part of this document, AES70, AES standard for audio applications of networks - Open Control Architecture - Part 3: Protocol for IP Networks.

This document, AES70-3, OCP.1 Protocol for IP Networks, is a member of the three-document set that defines AES70, the Open Control Architecture. AES70-3 defines OCP.1, the IP-based communications protocol for AES70. Other parts define the architectural framework and the specific control repertoire.

AES70 is based on a proposed standard provided to the AES by the OCA Alliance, a trade association dedicated to the development, standardization, promotion, and support of the Open Control Architecture.

The development project for this standard was originally proposed by the Open Control Architecture Alliance (OCA Alliance) and initiated in October 2012 as project X210, to be developed in task group SC-02-12-L. The OCA Alliance also contributed the task-group working draft and, as a direct result, there are a number of references to "OCA" in the protocol in order to maintain compatibility with implementations already in the field. The protocol for TCP/IP networks in early drafts is also known as "OCP.1".

The members of the writing group that developed this document in draft are: J. Berryman, H. Hamamatsu, T. Head, S. Jones, M. Lave, N. O'Neill, M. Renz, M. Smaak, G. van Beuningen, S. van Tienen, E. Wetzell.

J. Berryman led the task group.

Richard Foss
Chair, working group SC-02-12
2015-11-12

## Foreword to the 2018 edition

The OCA Alliance also contributed the task-group working draft and, as a direct result, there are a number of references to "OCA" in the specification. These references are retained in AES70 in order to maintain compatibility with implementations already in the field. The protocol for IP networks is known as "OCP.1".

The members of the writing group that drafted this version of the document are: F. Bergholtz, J. Berryman, A. Gödeke, J. Grant, A. Kuzub, M. Lave, G. Linis, S. Price, M. Renz, A. Rosen, S. Scott, G. Shay, P. Stevens, P. Treleaven, S. van Tienen, and E. Wetzell. As well, the writing group was materially assisted by contributions from T. de Brouwer, B. Escalante, S. Jones, M. Smaak, and M. Versteeg.

J. Berryman led the writing group.

Morten Lave
Chair, working group SC-02-12

## Note on normative language

In AES standards documents, sentences containing the word “shall” are requirements for compliance with the document. Sentences containing the verb “should” are strong suggestions (recommendations). Sentences giving permission use the verb “may”. Sentences expressing a possibility use the verb “can”.

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