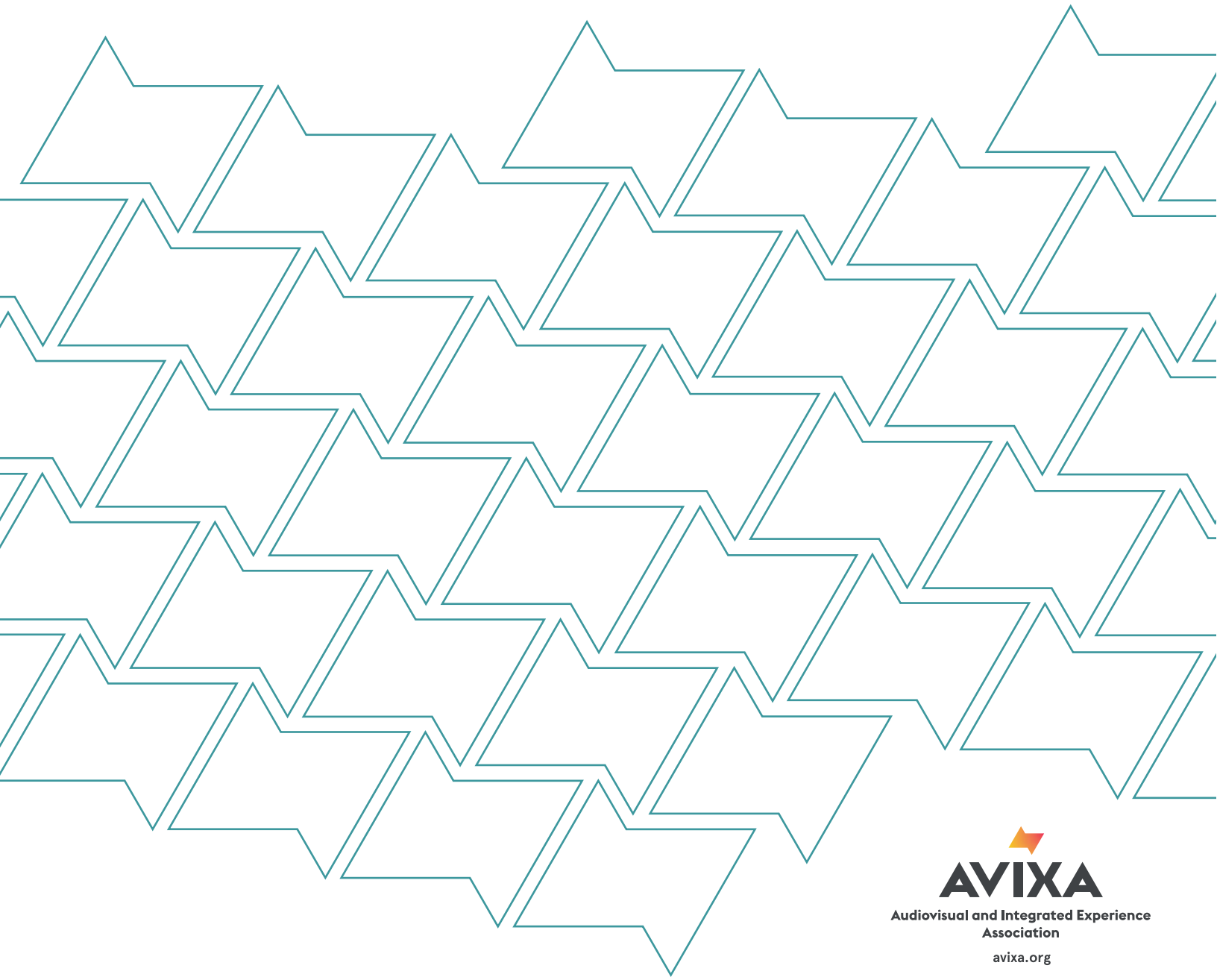
ANSI/INFOCOMM 4:2012

Audiovisual Systems Energy Management



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ANSI/INFOCOMM 4: 2012

Audiovisual Systems Energy Management

InfoComm International Standard

2012-06-19

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Abstract

This Standard defines and prescribes processes and requirements for ongoing power-consumption management of the audiovisual (AV) system. The Standard identifies requirements for the control and continuous monitoring of electrical power for audiovisual systems, whereby power is conserved whenever possible and components operate at the lowest power-consuming state possible without compromise to the system's performance for the needs of the user. Audiovisual systems in conformance with the Standard will meet the defined requirements for automation, measurement, analysis, and training.

Keywords

Audiovisual; audiovisual system; automation; AV equipment; AV installation; AV system; baseline; components; conformance; control system; dashboard; energy management; energy measurement; InfoComm; power; power consumption; power management; power monitoring; power states; standby

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Foreword

This Standard addresses power consumption management of audiovisual systems. An audiovisual system designed to minimize power consumption includes power monitoring and automated control of components in an effort to use the least amount of electrical power possible when the AV system is in operation, in standby modes, and when the system is not being used. Energy conservation can be managed through ongoing active monitoring and reporting of power consumption. Design of the technical architecture of the AV systems and components, implementation based on design documentation, and thorough testing procedures of installed systems are critical to the success of an energy management program.

This Standard addresses power consumption requirements of the audiovisual system as a whole, while allowing the user of the Standard flexibility in system design as well as selection of individual components.