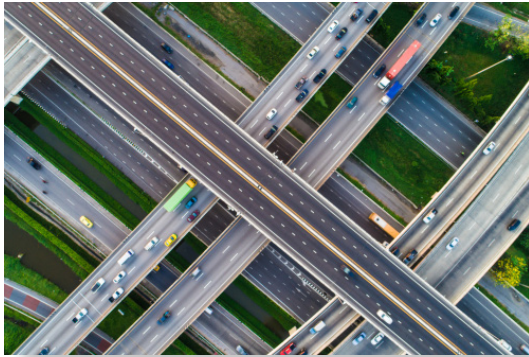


Build Supply Chain Network

NEMA provides unparalleled access to electroindustry thought leaders. Members can take advantage of technical working groups, online portals, plant tours, C-suite experiences, and other customized events to augment their supply chain networks.

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Harness Innovation

The Internet of Things is revolutionizing the industry. Connected systems make cities smarter, medical imaging more extensible, and electrical power distribution more reliable.

NEMA Strategic Initiatives seize emerging market opportunities and alert our Members of their business potential.

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Join NEMA

The National Electrical Manufacturers Association (NEMA) represents nearly 325 electrical equipment and medical imaging manufacturers that make safe, reliable, and efficient products and systems. Our combined industries account for 360,000 American jobs in more than 7,000 facilities covering every state. Our industry produces \$106 billion shipments of electrical equipment and medical imaging technologies per year with \$36 billion exports.

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THE NEMA
ADVANTAGE:
TRANSPORTATION
MANAGEMENT
SYSTEMS



Transportation Management Systems & Associated Control Devices Section

The NEMA Transportation Management Systems and Associated Control Devices (3TS) Section includes, but is not limited to products, subsystems, equipment, components, and services principally used to design, install, operate, and maintain vehicular transportation systems and related elements. The items included in the scope provide the means to realize integrated transport information management and control systems that are compatible with the intermodal operation of intelligent transportation systems. Standards include:

- NEMA TS 2-2016 *Traffic Controller Assemblies with NTCIP Requirements Version 03.07*
- NEMA TS 4-2016 *Hardware Standards for Dynamic Message Signs (DMS) with National Transportation Communications for Intelligent Transportation Systems Protocols (NTCIP) Requirements*
- NEMA TS 5-2017 *Portable Traffic Signal Systems Standard*
- NEMA TS 8-2018 *Cyber and Physical Security for Intelligent Transportation Systems (ITS)*

Our Members

Applied Information Inc. | Daktronics Inc. | Eberle Design Inc. | Horizon Signal Technologies | Intelight Inc. | John Thomas Inc. | Miovision Technologies | Parsons | SES America Inc. | Siemens ITS, unit of Siemens Energy & Automation Inc. | Skyline Products Inc. | Ver-Mac Inc.

Gain the NEMA Advantage

Our Vision

The NEMA Transportation Management Systems and Associated Control Devices Section and its Members are a principal source of technical, training, and educational information essential to the specification and manufacture of reliable transportation management products and their installation, performance, maintenance, and inspection.

Accomplishments & Current Activities

Performance Based NEMA Standards & Specifications

- Revised Standards for Traffic Controller Assemblies and DMS Hardware Requirements
- Published Standards for Portable Traffic Signal Systems and Cyber and Physical Security for ITS
- Developing NEMA TS 9 which defines aspects of Performance Measures thereby facilitating traffic management agencies' specification and selection of Performance Measures solutions
- Creating model procurement specifications that enable transportation departments to purchase Member company products and technologies as described in the current slate of Standards
- Drafting Standards and other practical guidance documentation for implementing connected transportation from an infrastructure perspective

Other Standards Activity

- NEMA appoints six representatives to each of the two joint committees for NTCIP and Advanced Transportation Controller (ATC) Standards activities
- NTCIP Standards represent a family of data communications protocols used for the remote command and control field-deployed traffic management sensors and devices
- ATC Standards are a family of the ITS cabinet and controller hardware that includes application programming interface Standards for the next generation of roadside control products

Advocacy in Action

- Promoting legislation to fund research and development of ITS, cybersecurity for ITS, highway safety, performance measures, outcomes based contracting, and funding stability
- Advocating for long-term sustainable funding mechanisms for surface transportation investments, as well as operation and maintenance programs at all levels of government
- Integrating transportation policy recommendations in NEMA positions on development, advocacy, and messaging on smart cities and infrastructure investment
- Driving consistent messaging and a common agenda across other industry associations