The government relations team regularly fosters other contacts and reports to the section and its government relations committee on opportunities of interest.

Build supply chain network

NEMA provides unparalleled access to electroindustry thought leaders and decision makers. 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.

Harness innovation

The Internet of Things is materializing in real time. Connected systems render transportation more intelligent, cities smarter, medical imaging more extensible, and electrical power distribution more reliable.

NEMA strategic initiatives explore these and other trends and alert our members to their business potential.

Join NEMA

We give our members a competitive edge in today's rapidly changing marketplace. Join us to expand market opportunities, acquire exclusive business intelligence, remove market barriers, build supply chain connections, and harness innovation.

Membership in NEMA is open to any firm actively engaged in the manufacture of a product in North America that is within the NEMA scope and for sale in the open market. Membership of foreign firms is subject to product section policies and NEMA Board of Governors approval. NEMA operates on a fee-for-service basis. Each product section establishes its projects and activities and approves an annual operating budget.

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The NEMA advantage: Transportation Management Systems

National Electrical Manufacturers Association

Transportation management systems

Strength in numbers fused with sector expertise is the hallmark of the National Electrical Manufacturers Association (NEMA). We are nearly 400 member companies representing 56 electroindustry subsectors manufacturing a wide range of products and systems.

NEMA's Transportation Management Systems and Associated Devices Section is the 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.

Transportation standards are developed and maintained by four NEMA member-only technical committees. National Transportation Communications for ITS (Intelligent Tranportation Systems) Protocol (NTCIP) and Advanced Transport Controller (ATC) projects are developed jointly with the American Association of State Highway and Transportation Officials (AASHTO) and the Institute of Transportation Engineers (ITE).

Our members

Adaptive Micro Systems Inc. | Applied Information Inc. | Daktronics Inc. | Eberle Design Inc. | Horizon Signal Technologies | Intelight Inc. | OMJC Signal Inc. | Parsons | Peek Traffic Corporation | SES America Inc. | Siemens ITS, unit of Siemens Energy & Automation Inc. | Skyline Products Inc. | TransCore ITS, LLC | Ver-Mac Inc.

Gain the NEMA Advantage

Expand market opportunities

We help members improve safety and mitigate risks. Our methodology is threefold: facilitate production, promote product interoperability, and develop performance standards that increase market demand.

There are several NEMA standards within the section's purview:

- NEMA TS 2 *Traffic Controller Assemblies with NTCIP Requirements* defines technical parameters of traffic signal control equipment used to facilitate and expedite the safe movement of pedestrians and vehicular traffic
- NEMA TS 4 *Hardware Standard for Dynamic Message Signs (DMS) with NTCIP Requirements* defines the minimum hardware and functional characteristics of electronically controlled DMS and includes environmental requirements, mechanical construction, controller interface, display properties, and optical components
- NEMA TS 5 is under development as a new standard for portable traffic systems.
- NEMA TS 8 is under development as a new standard describing functional cybersecurity attributes and minimum performance baselines for all products under the section's scope, for agencies to use for procurement purposes.

NTCIP, a joint project of NEMA, AASHTO, and ITE, is a family of data communications protocols used for the remote command and control of field-deployed traffic management sensors and devices. NTCIP protocols are also used for information exchange between traffic management and other centers.

ATC is a family of ITS cabinet and controller hardware that includes application programming interface standards for the next generation of roadside control products. Section members also participate in the NTCIP and ATC joint committees and their working groups.

The NTCIP and ATC standards families are joint efforts of AASHTO, ITE, and NEMA that enjoy continuing support from the U.S. Department of Transportation (DOT).

Eliminate business barriers

NEMA represents the collective interests of America's electrical manufacturers at every level of government, including local building codes, infrastructure funding, national energy laws, and international trade.

Through NEMA, the section promotes legislation authorizing federal highway programs (e.g., MAP-21) and the DOT's execution and management of those programs, including support for research and development of industry standards.

At the core of the section's advocacy strategy is the objective of promoting the deployment of member-company ITS products and the development and maintenance of ITS standards for safety, interoperability, and performance.

Each year, NEMA Government Relations arranges meetings for a section delegation at the DOT, on Capitol Hill, and with other organizations.