

Briefing for NIST TE Challenge

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- The National Electrical Manufacturers Association (NEMA) represents nearly 400 electrical, medical imaging, and radiation therapy manufacturers. Our combined industries account for more than 400,000 American jobs and more than 7,000 facilities across the U.S. Domestic production exceeds \$117 billion per year. Our industry is at the forefront on electrical safety, reliability, resilience, efficiency, and energy security.
- NEMA Help Member Companies.... Expand markets, remove barriers, and reduce costs. We do that, among other thing, by:
 - Promoting regulations and legislation to support industry
 - Promoting benefits of our technologies
 - Removing barriers to adoption of our technologies
 - Developing and promoting standards globally
- NEMA publishes over 550 standards, 288 of which are NEMA Standards, 38 are ANSI/NEMA Standards, and 229 are American National Standards. We also support 81 CANENA harmonization projects, 56 IEC and 3 ISO Technical Advisory Groups (TAGs).
- NEMA is Secretariat of ANSI's SG-IPRM Consensus Body for ANSI/NEMA SG-IPRM: Smart Grid Interoperability Process Reference Manual. We are currently looking for industry experts in the User Category to participate in standards development activities.

The Interoperability Process Reference Manual (IPRM) defines a process by which industry stakeholders may procure, test, and assert interoperability between disparate vendors of Smart Grid products to identified standards. This is accomplished by defining the relationships between Smart Grid stakeholders invested in this goal. This Standard defines requirements and recommendations for general test policies, test suite specifications, test profiles, interoperability testing and certification authority technical programs, governance, laboratory qualifications, and (process) improvements. Finally, this Standard describes an implementation approach.

- While NEMA doesn't have a platform in Transactive energy at this time, we do represent various "sections" or industries that could be interested in Transactive energy. The NEMA Connected Systems Division covers:
 1. Power Electronics
 2. Distribution Automation
 3. Electricity Metering Group
 4. Meter Mounting/Test Equipment
 5. Electric Vehicle Supply EquipmentThese sections could soon have interest in Transactive Energy.

