



DNP Users Group

Winter 2023/2024 Membership Drive

A prominent industry survey* indicates that ~94% of North America utilities use DNP3 (IEEE Std 1815™). With growing cybersecurity threats and new applications such as DER communications, the imperative for us to continue with our programs is high. Many people don't realize that our five teams of dedicated and experienced industry leaders continue to work hard (4,000+ volunteer hours per year). That translates to a value for the industry that is in the millions each year. A minimal value based on a cost basis of typical consulting rates is well over \$1,000,000 annually.

Active Members of the DNP User Group have free access to all applicable IEEE standards, other protocol documents, guides, technical bulletins, application notes, meeting minutes, and other relevant publications and documents. Members can also access our Discussion Forum and our experts (capped) for technical guidance. Importantly, members are invited to participate in our active committees and task forces. As our membership levels enable us, we plan to develop training and workshop options covering a wide range of related topics.

Your membership is important! Your participation and support enable the DNP User Group (DNP-UG) to continue to provide the essential services the industry requires of us. Without strong industry support by both utilities and vendors, we will not be able to continue with the developments we have underway, at least not in a timely manner.

Membership Matters More Now Than Ever! Join or Renew Today (see below)

What is the UG Doing Right Now?

We have a lot going on. To summarize, most of our programs and developments are focused on the three primary components of our mission:

1. Interoperability:

- a. Test procedures.
- b. Device profile guidance.
- c. Update to IEEE Std 1815™
 - Significant contribution and participation in update.
 - IEEE ballot pending.
- d. Conformance Certification Program
 - Program enhancements and expansion are underway.
 - New focus on DER communications – see below.

2. Cybersecurity:

- a. Secure Authentication Version 5 (SAv5) – currently available.
- b. Secure Authentication Version 6 (SAv6)
 - Draft complete. Under final review before IEEE ballot.
- c. Authorization Management Protocol (AMP)
 - Development continuing.
- d. Roadmap to Zero Trust Architecture over IP and Serial
 - White paper complete.

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3. DER Communications:

- a. Profile(s) on DER Communications (published previously).
- b. New standard IEEE P1815.2 (DER Communications).
 - Significant contribution and participation.
 - Approaching IEEE ballot.
- c. DER Communication cybersecurity
 - Key application for SAV6 and AMP.
- d. Support MESA on the MESA-DER DNP3 Profile Test and Certification Program
 - New Memorandum of Understanding is complete.
- Joint Workshop participation – complete.
- e. Normative references to DNP3 in IEEE Std 1547-2018™
- f. Normative references SAV5 and SAV6 in IEEE 1547.3™

Examples of Current Documents?

Summaries of documents posted for our members on our website include:

- **IED Test Procedures Version 3.1-** [here](#)
- **DNP3 Device Profile Guide Version 1.0 -** [here](#)

Join or Renew Today at dnp.org

1. Renew [here](#).
2. Purchase new [here](#).

Please reach out if you have any questions to admin@dnp.org.

* Newton Evans Research