

DNP Users Group Training Course Series

Managing Distributed Energy Resources Using the IEEE Std 1815.2™ DNP3 Profile – Part 1

Thursday, February 19, 2026, 3:00 - 4:30 PM ET

This training course is offered at no charge to our members.

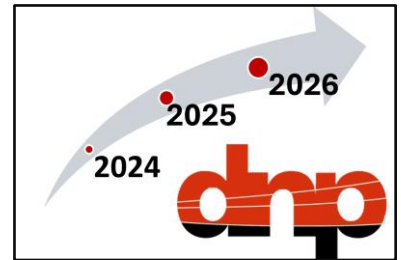
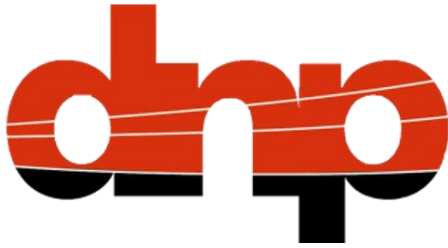


Description

The DNP Users Group (DNP-UG) is continuing our series of training courses led and instructed by industry and Users Group leaders addressing important topics relevant to our members and the industry. Training courses will often follow public workshops on related topics.

The DNP-UG is proud to present the first session in a two-part training course focused on IEEE® Std 1815.2™-2025, “IEEE Approved Draft Standard Profile for Communications with Distributed Energy Resources (DERs) using IEEE Std 1815™ [Distributed Network Protocol (DNP3)]”, which defines how Distributed Energy Resources (DERs) can be managed using the DNP3 protocol. In this session, participants will gain a foundational understanding of the standard, starting with the purpose and goals, the definition of DERs, and the challenges they present to utilities. The session will then explore how DERs can help solve these challenges, introduce a possible DER architecture, and explain the concept of “profiles” for interoperability.

This session will also detail how IEEE Std 1815.2 relates to other key standards, including IEEE Std 1547™, IEC 61850, IEEE Std 2030.5™, and SunSpec® Modbus®, as well as certification requirements such as UL 1741 SB. Attendees will learn about the components of the standard, including point lists, descriptions of DER functions, scheduling, and mapping between DNP3 and IEC 61850 objects.



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Additional topics include implementation choices such as function selection, data formats, and storage options.

Finally, the session will cover testing practices, including semantic and functional testing, commissioning procedures, and compliance with UL 1741 SB and IEEE Std 1815. By attending this session, participants will understand how to begin planning for the deployment and validation of DER management systems using IEEE Std 1815.2.

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Our member training courses are recorded and will be distributed and posted to our website as soon as possible.

The following topics (modules) will be covered in Session I

(Each topic is a 15-minute module):

1. Purpose of the Standard
2. Relationship to Other DER Standards (may all be one slide)
3. Components of the Standard
4. The Points list
5. Implementation Choices
6. Testing the Standard

Time will be allotted for audience participation and discussion.

Speakers:

- John McDonald, Session Chair, JDM Associates
- Grant Gilchrist, Instructor, DNP Users Group, Tesco Automation
- Frances Cleveland, Xanthus Consulting