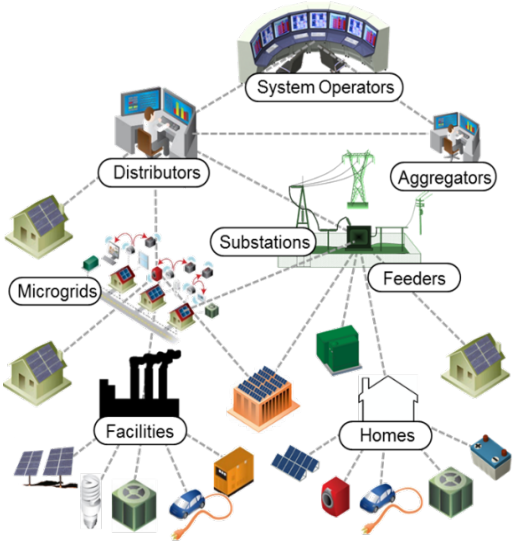
EPRI | ELECTRIC POWER RESEARCH INSTITUTE

Distributed Energy Resources Management Systems (DERMS) Working Group



Value Proposition:

- To better understand the incremental benefits of DERMS
- To develop consistent utility requirements that will be beneficial to the marketplace
- To identify potential gaps in communication standards for DER integration

DERMS Working Group

DERMS is an evolving technology that can manage distributed energy resources (DER) to enable distributed intelligence and enhance grid resilience while accommodating increased number of DER.

In 2018, the EPRI facilitated a focus group of industry experts through a public working group to develop a reference set of control methods for monitoring and managing groups of DER. The activity is aimed at advancing industry efforts to integrate flexible loads, energy storage, solar generation and other types of DER so that they can effectively serve as interconnected grid-supportive resources.

The objectives of this working group are summarized below:

1. Making the DERMS Business Case. To enable technical analysis needed for the business case/value proposition of DERMS. A core component of this business case is the incremental hosting capacity that is gained by doing active management of DER rather than fixed settings. To perform the feeder-modeling exercises to compute this increment, one has to use some kind of a control scheme and must explain this in the analysis.
2. More Consistency in RFPs, Better Aligning Expectations. It is presently easier to state DERMS interface, UI, scale, and storage requirements than it is to state basic functional requirements. Those developing their own DERMS products or specifications need a baseline set of logic capability requirements. It would be beneficial to the marketplace if utility requirements are consistent with one another.
3. Critical Evaluation of the Interface Standards, Gap Identification. The relevant communication standards upstream and downstream of DERMS have been developed on paper (not proven), by different groups and different times. Do these standard messages have the right information to enable group-level requests to be effectively translated into device-level commands?"

Benefits of Participation

The DERMS Working Group is made up of domain experts and researchers in the field from DERMS technology providers, national labs, academia, and electric utilities. It provides a platform for members to address several gaps in defining and aligning DERMS functionality thereby accelerating product availability. The deliverable from this working group will be open/public and closely coordinated with the relevant standard organizations, including IEEE.

How to Participate

- Currently meeting every Wednesday between 1:00 – 2:00 PM (Eastern Time)
- Meeting info:

WEBCAST INFORMATION	
When	Wednesday, March 6, 2019 at 1:00 p.m. ET
Weekly recurring	1:00 p.m. ET
Duration	1 hour
WebEx Link	Join the Meeting
Meeting Number	644 580 560
Meeting Password	DERMSwg!
US Toll Free	1-855-797-9485
US Toll	1-415-655-0002
Access Code	644 580 560
Dial	644580560@epri.webex.com

- Meetings primarily by teleconference/webcast. Face-to-face meetings are possible, perhaps alongside other industry conferences.

Who Should Participate?

Technologists working in the area of DERMS use cases, functional requirements, DER planning and operations, modeling and analysis of distribution system and communication protocols for integration of DER, particularly those involved in DERMS, and advanced distribution management systems (DMS). Vendors developing software platforms such as DERMS, DMS, and DER aggregators.

Contact Information

For more information, contact the EPRI Customer Assistance Center at 800.313.3774 (askepri@epri.com).

Technical Contacts

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Product ID: 3002014468 Project ID: 1-110654 October 2018

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