

## **IEEE 2800-2022 Update: Standard for Interconnection and Interoperability of Inverter-Based Resources Interconnecting with Associated Transmission Systems Webinar**



**May 3, 2022 | 12:00–1:30 p.m. Eastern**

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This joint webinar will provide an update on the IEEE 2800-2022 – Standard for Interconnection and Interoperability of Inverter-Based Resources (IBRs) Interconnecting with Associated Transmission and Sub-Transmission Electric Power Systems. The technical minimum requirements specified in IEEE 2800-2022 for the interconnection of large-scale transmission and sub-transmission connected IBRs are essential elements to maintain the reliability of the bulk power system with increasing amounts of IBRs, including those radially connected via High Voltage Direct Current (HVDC) - voltage source converters (VSC) facilities to the grid. The IEEE Sustainability Accounting Standards Board has recently approved the balloted draft of IEEE 2800, which is now going through the final publication review process with publication anticipated by mid-to-late April 2022. This webinar aims to review the purpose and scope of the standard along with selected requirements, followed by time for Q&A. More information on IEEE 2800-2022 is available on the IEEE Standards Association site.<sup>1</sup>

### **Agenda**

- **Introduction and Opening Remarks from EPRI, NERC, NATF, and NAGF**
- **Purpose, Scope, and Applicability of IEEE 2800-2022**
- **High-Level Review of Selected Requirements:**
  - Reactive Capability
  - Reactive Power – Voltage Control
  - Active Power – Frequency Control
  - Low Short-Circuit Power
  - Power Quality
  - Ride-Through Capability & Performance
  - IBR Protection
  - Modeling & Validation, Measurement Data, and Performance Monitoring
  - Tests and Verification

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<sup>1</sup> <https://sagroups.ieee.org/2800/>

- **Adoption of IEEE 2800-2022 in North America**
  - Potential Adoption Frameworks
  - Benefits of Adoption to both Transmission & Generation Entities
- **Q&A**

### **Stakeholder Focus**

- Transmission Owners, Transmission Operators, Reliability Coordinators, Balancing Authorities, ISO/RTOs, Transmission Planners, Planning Coordinators, Generator Owners, Generator Operators