

Meet the Instructors



Van Holsomback is a Technical Executive at EPRI focusing on topics associated with Distribution Operations. His research at EPRI focuses upon the evolution of the Distribution System Operator (DSO), the integration of AMI in Operations and how the control center impacts restoring the distribution system after major outage events. Prior to joining EPRI, he was a manager at Georgia Power responsible for the personnel of the distribution SCADA system, the distribution automation equipment and the distribution control centers.



Jared Green is a Senior Technical Leader for the Distribution Operations and Planning Program at the Electric Power Research Institute (EPRI). He has ten years of project management experience with EPRI in data analytics, Smart Grid, information communication technologies, and distribution planning and operations. Prior to joining EPRI, he was a project manager in the Demand Response and Resource Planning group at Alabama Power, a Southern Company. He also worked in the transmission and distribution engineering departments during his career at Alabama Power. Jared is a registered Professional Engineer, a Certified Energy Manager and a Certified Carbon & GHG Reduction Manager.

Course Outline

DER, OMS and AMI – 6 hours

- Electricity as loops
- Grounded versus ungrounded systems
- Role of the neutral at a home – why bright and dim lights
- Why does the wire size change
- How voltage regulators work
- Different power equipment with their role
- Load break versus non load break devices
- How DER impacts distribution
- How an outage management system works
- How AMI systems report outages

Basic feeder protection – 2 hours

- Why reclosers
- How a fuse works
- How a lightning arrester works

Basic reliability – 4 hours

- Reliability indices
 - SAIDI
 - SAIFI
 - CAIDI
- Excluding events
- How indices are improved
- Resiliency efforts
- Cause codes
- Creating reliability improvement projects

Basic SCADA – 1 hour

Basic OH switching – 1 hours

Simulator training and exercise – 2 hours

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