

# Distribution Control Center Operations Training – Level 2

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OnlineTraining

**Program Cost – \$600**

## **ADVANCED DISTRIBUTION CONCEPTS**

1. Distribution Reliability
  - a. Service reliability indices (SAIDI, SAIFI, etc.)
  - b. Methods to improve service reliability (automatic restoration schemes and devices)
  - c. System reliability improvements through telecommunication technologies
  - d. Primary and secondary spot and grid networks
  
2. Power Quality
  - a. Power quality issues
  - b. Reduced motor starting
  - c. Transformer bank connections and issues
  - d. Ferroresonance and radio/television interference
  
3. Planned Maintenance and Test Equipment
  - a. Planned maintenance and test equipment
  - b. Substation inspections (distribution switchyard)
  - c. Facility inspections (line equipment inspections)
  
4. Smart Grid Systems
  - a. Smart grids, advanced metering infrastructure, and smart meters
  - b. Substation and distribution automation
  - c. Distributed generation and microgrids
  - d. Communication with smart devices
  - e. Cyber security and access control
  - f. Smart homes/buildings and demand side load management
  - g. Advanced distribution management systems and trending technologies

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### **About HSI:**

HSI is a leading provider of training and advisory services to the power industry. HSI rigorously tracks and interprets NERC Reliability Standards and expertly translates them into customized education and advisory services, helping to manage risk and ensure reliability for the North American power grid.

HSI offers NERC system operator certification, classroom and online courses, accompanied by sophisticated computer simulation. Since 2002, HSI has provided NERC-approved continuing education and advisory services to thousands of employees of the Bulk Electric System across the United States and Canada. All training is designed using the latest systematic approach to training, as required by NERC.



HSI and HSI\_SOS\_001 are recognized by the North American Electric Reliability Corporation as a continuing education provider who adheres to NERC Continuing Education Program Criteria.