



## Grid Dynamics & Emergency Operations

Date	Venues	(\$Fees	Book your seat
21 Dec -25 Dec 2025	Bahrain	2900	<a href="#">Register Now</a>

### Course Overview:

- Effective monitoring and management of control performance is the cornerstone of reliability. It is important to be able to understand regional standards in carrying out control performance requirements.
- This course is intended as a review Control Performance requirements. The concepts and applications presented throughout the course should familiarize you with each policy and standard.

### Course Objective:

- This proposed training course on Smart Grid Energy Technologies presents an in-depth the basics of smart grid and its importance for the deregulated electricity. The electric grid is over a hundred years old, has changed little in the way it operates since its inception, and will not be able to support future electric demand without substantial new and costly infrastructure.

### Who Should Attend?

- Balancing Area Operators and Personnel; Power System Operators and Personnel; Utility Operators and Personnel; Balancing Area Operators and Personnel; Power Systems Repair and Maintenance Personnel; Dispatch Personnel; Reliability Coordinators; Balancing Authority Area Personnel; Transmission Operators

### Course Outline:

- The Smart Grid Definition
- The Need For A Smart Grid
- Distributed Power Sources
- Aging Infrastructure
- Smart Grid Technologies
- System Control & Performance Requirements
- Energy Demand And The Electric Grid
- Grid Visualization And Control
- Distributed Electric Generation
- Emergency Operations
- High Voltage, Safety & Power Systems Operations

### Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation



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