



Power System Security Assessment & Control

| Date | Venues | (\$)Fees | Book your seat |
|---------------------|--------|----------|------------------------------|
| 31 Aug -04 Sep 2025 | London | 5500 | Register Now |

Course Overview:

The basic conception of risk-based security assessment for power system is presented, and we think that the method of risk-based security assessment has important significance for the security and stability operation of power system. By comparing risk-based security assessment with the traditional deterministic security assessment and reliability-based security assessment, it is demonstrated that risk-based security assessment is more effective for the actual operating status of power system and is the development direction of the stability operation and control of power system.

Course Objective:

Upon completion of the course, participant will get acquainted with a good understanding of the dynamic security assessment in power system. Get a deep knowledge of the concepts of the transient stability, voltage stability and analytical methods for evaluating them. The aim is to generate a basic although comprehensive knowledge of security assessment and control problems for potential attendees.

Who Should Attend?

Engineers, Supervisors, Managers and Technical Management involved in designing, expansion planning and operating transmission systems in electric utilities.

Course Outline:

- Introduction To Electrical Power Systems
- Substation Commissioning
- Substation Installations
- Substation Protection
- Economic Operation Of Electric Power Systems
- Stability Consideration
- Power System State Estimation
- Power System Security
- Security And Contingency Analysis
- Power System Voltage Stability Problem
- Understanding Power Quality
- Distributed Generation

Training Methodology:

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



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