

## SVC Power System Protection & Testing

Date

08 December -12  
December 2024

Dubai

(\$)Fees

3200

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### **Course Overview:**

In theoretical , the towers feature distance and differential relays of different manufacturers and enable realistic test situations by simulating the bays related to the relays.

### **Upon completion of this course, students will be able to:**

- Perform commissioning, trouble-shooting and periodic tests of protection relays
- Test overcurrent, distance and transformer differential relays with the SVC Test Universe
- Create and modify automated test plans and customized test reports
- Use the SVC Test Universe from scratch

المركز البريطاني للتدريب  
info@britishtc.org

### **who should attend?**

Technical staff from utilities, transmission and distribution networks, railway grids, service companies and manufacturers involved in protection testing

### **Course Outlines:**

- Quick current and voltage output for easy wiring tests
- Configuration of the test object parameters and the test hardware
- Creating test plans which adapt automatically to newly entered relay settings
- Creating a flexible test plan for over current relays including testing pick-up values and trip times
- Hands-on testing of the over current protection function
- Creating a flexible test plan for distance relays including testing the trip times and zone reaches as well as switch on to fault (manual close) and auto-reclosing
- Hands-on testing of distance relays
- Creating a flexible test plan for transformer differential relays including testing the stability during external faults, the tripping characteristic, the trip times and the harmonic restraints
- Hands-on testing of transformer differential relays

### **Training Methodology:**

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities

- Case Studies
- Workshops
- Simulation



00971504646499



info@britishtc.org



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