ABB UNIVERSITY & ONLINE ACADEMY FOR EXCITATION AND SYNCHRONIZATION

J649 - UNITROL® 5000 Hands-on and update training

2 days, in person training

Course goals

Consecutively to the J640 Service and Commissioning course the participants can deepen their knowledge on UNITROL® 5000 by completing the J690 hands-on course. Based on practical exercises the students get familiar with the handling of the tools and application software of the UNITROL® 5000 excitation system using simulators. The simulation of the synchronous machine with the grid system allows carrying out realistic commissioning work. Most of the time the participants work on their own, supported by an instructor.

Main learning objectives

After completion of the course, participants will be able to:

- Carry out functional test of the various software functions such as voltage and field current regulators, limiters, power system stabilizer, monitoring, and protection etc.
- Program of additional functions and signals
- Troubleshoot the UNITROL® 5000 system

Participant profile(s)

- Application, Test, Service and Commissioning engineers

Prerequisites

- Completion of the J640 UNITROL 5000 Service and Commissioning course

Delivery and learning methods

- Practical hands-on training using simulators and demo units based on well-chosen exercises
- Periodically discussions of problems/ questions with the instructor

Duration

- 2 days, Max. 4 participants

Registration

For registration or enquiries please visit: ABB University & Online Academy for Excitation - Enquiries

Notes

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Topics

Topics
– Calibration of actual values
– Optimization of the various regulators
– Functional tests of the limiters
– Test of channel and mode transfer
– Functional test of the follow up control system
– Test of reactive power and power factor controller
– Commissioning and test of the power system stabilizer
– Test of the monitoring and protection function
– Programming of additional functions and signals
– Troubleshooting procedures

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Contact us

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