

ABB UNIVERSITY & ONLINE ACADEMY FOR EXCITATION AND SYNCHRONIZATION

J390 - UNITROL® P Hands-on and **Update training**

Hands-on and Update training

Course goals

Based on practical exercises, attendees will get familiar with the handling of the tools and application software of the UNITROL® P excitation system using simulators. The simulation of the synchronous machine with the grid system allow to carry out realistic commissioning work. Most of the time the participants work on his own supported by an instructor.

Main learning objectives

Upon completion of this course, attendees will:

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

Participant profile(s)	Prerequisites
 Application, Test, Service and Commissioning Engineers 	 Completion of the J340 Service and Commissioning course
Delivery and learning methods	Duration
 Practical hands-on training using simulators and demo units based on well-chosen exercises 	- 3 days. Max 6 participants
 Periodically discussion of problems/questions with the instructor 	

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

Notes

Topics

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- 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 signals
- Trouble shooting procedures



