
Omnivise E3000 Excitation system RG3-DUR (DIGUREG1 or 2) (K-ES-132)

Target Group

The participants learn to operate the RG3-DUR and the tasks of the components, to recognize and delimit faults independently and to support the service technician of the manufacturer, respectively. Introduction to the commissioning.

Content

Basics of synchronous generators
Introduction of the brushless excitation system with rotating rectifiers
Digital closed loop system
Power converter
Manual Mode: Excitation Current Regulator (ECR)
Automatic mode: Automatic Voltage Regulator (AVR), $\cos \varphi$ -, Q-regulator, limiter, PSS
Operation and maintenance
Dealing with the documentation of the RG3-DUR
Introduction to the operation software PC-Tool
Conducted commissioning of the RG3-DUR with exercises at the generator model

Prerequisites

Target group: Service and commissioning staff of excitation systems in a power plant
Requirements: Basic knowledge of electrical engineering
Number of participants: 2-3
Language: English
Duration: 5 days
Location:
Power Academy Erlangen,
Virtual Classroom
Date: upon consultation

Type

Face-to-face training

Duration

5 days

Language

en