CHS052
Power System Management – Configuration & Engineering

PSGuard Wide Area Monitoring and Control System

Objectives
The participants acquire deep knowledge about the structure, concepts, administrative functions and the technical background of the system. They will understand the architecture of PSGuard and learn to be able to configure and engineer the system.

The main objectives are:
- fully understand the Wide Area Monitoring technology
- acquire knowledge about PSGuard engineering and testing
- understand system configuration and service procedures

Contents
- Phasor measurements
- System hardware configuration
- Communication specifications and requirements
- System software configuration
- Potential and usage of PSGuard administration graphical user interface (GUI)
- PSGuard administration settings
- Single line diagram adaptation
- System diagnostics and troubleshooting
- Data transmission towards SCADA/EMS systems
- Integration of PMUs
- Archiving configurations
- Creation of system backups
- Extension possibilities of PSGuard

Methods
Lectures, demonstrations, practical exercises on customers live system.

Participants
Engineering and administrating as well as advanced operating personnel from the customers company.

Prerequisites
Engineering degree, technical college qualifications or equivalent. Basic knowledge about power systems and transmission as well as PC based data processing and IT communications.

Required course or relevant experience:
- CHS051 PSGuard System Operator Training

Duration
2 days