

GE MK VI Speedtronics

This four-day course describes the GE MK VI Speedtronics control system that supports the plant turbine operation. This is a technician-level course for both operating and maintenance personnel, providing the knowledge base necessary to begin working on equipment.

I. System Overview

- Functional Description
- Control Panel Features and Controls
- Control Panels and Definitions
- Generator Control Panel
- Motor Control Center
- Supervisory Remote Equipment
- Annunciator System

II. Tools

- ToolBox
- CIMPLICITY HMI
- Controller

III. Gas Turbine Operator Commands

- Operating Mode Commands
- Cooldown Cycle Commands
- Gas Turbine Unit Commands
- Gas Turbine Load Commands
- Fuel Commands

IV. Control System and Operation

- Control System Operation
- Control System Overview

V. Fuel Control System

- System Operation
- Liquid Fuel System

VI. Turbine Protection Systems

- Trip Oil
- Overspeed Protection
- Overtemperature Protection
- Flame Detection and Protection System
- Vibration Protection
- Combustion Monitoring

VII. Operator Screens and Operating Procedures

- Operator Screens
- Operating Procedures