

# Engine Control System

Introductory course for engine control system users

## COURSE TOPICS

- Introduction to ECSs and basic engine and generator control systems
- System startup and shutdown procedure
- Navigating the ECS display and adjusting parameters
- Automatic voltage regulator (AVR) calibration procedure
- ECS alarm messages
- Safety protocol



The engine control system (ECS) course is an intense two-day, comprehensive, hands-on course that prepares participants to efficiently operate, maintain, and troubleshoot Schlumberger ECSs successfully. Participants will become familiar with the language, purpose, and mechanisms of engine and generator control systems. In addition, they will practice startup, shutdown, and calibration procedures using ECSs and other desktop units in a mock-up VFD house.

## LEARNING OBJECTIVES

- Discuss basic terms and operation of engine and generator control
- Understand ECSs to quickly isolate and locate problems
- Become familiar with ECS hardware components and wiring diagrams for better troubleshooting and calibration
- Learn to follow Schlumberger electrical diagrams systematically to determine the probable cause of control and communication issues
- Discover how to start up and shut down generators in both normal and blackout conditions
- Recognize alarm meanings and how to correct alarm issues

## WHO SHOULD ATTEND

This course is for electrical technicians and technical support personnel who operate or maintain Schlumberger ECSs.

## REGISTRATION

Contact us by email at [rpctraining@slb.com](mailto:rpctraining@slb.com) or by telephone +1-713-849-1700.

Cancellations within three working days prior to the start of the class will be charged the full tuition fee. Substitutions are allowed.

## DURATION

Two training days  
(8:00 a.m. to 4:00 p.m. daily)  
Contact Schlumberger for available dates.

## LOCATION

Schlumberger  
5353 West Sam Houston Pkwy North, Suite 150  
Houston, TX 77041

Participants are responsible for their own accommodations and transportation.  
Contact us to schedule on-site or in-office training at your location.