

H905 – PCS Propulsion Control System Operator

The goal of this course is to train the participants to understand and maintain the propulsion control system with AC800M application.

Learning objectives:

Upon completion of this course, students will be able to understand the function of the electrical propulsion control system. The participants could troubleshoot and restore the propulsion control system in case there are control components failure.

Contents:

- General topics
 - Propulsion system introduction
 - Control system architecture
 - Control place and selection
 - Principal control function and interlocking
 - Power limitation and protection
 - Dealing with faults
 - Control system components
- Fault-tracing and troubleshooting
 - Alarm and event handling
 - System monitoring
 - Backup/restore control system
 - Handling communication problem
 - Remote Diagnostic System (RDS)

Methods:

This is an instructor-led course with interactive classroom discussions and associated lab exercises. Approximately 40% of the course is comprised of hands-on lab activities.

Duration: 2 days

Student profile:

Marine engineers and electro-technical personnel at the operational and management level.

Prerequisites:

The participant should have fundamental knowledge of vessel operation. Completion of ACS6000/6080 and ACS800/880 marine drive course or similar knowledge is advisable.

Venue: Singapore

Additional information:

Minimum 4, maximum 6 participants;
On-site training is available on request.

