

## Course Exhibit

### CG-1704-0070

110' WPB SHIPBOARD COMMAND AND CONTROL SYSTEM (SCCS) MAINTENANCE AND MANAGEMENT

**Course Number:** 501791.

**Location:** Command and Control Engineering Center, Portsmouth, VA.

**Length:** 1 week (42 hours).

**Exhibit Dates:** 12/09–Present.

**Learning Outcomes:** Upon completion of the course, the student will be able to maintain, troubleshoot, repair, and manage the shipboard command and control system aboard a Coast Guard cutter ( ship installed system); and install, modify, and repair software used in the system.

**Instruction:** Methods of instruction include audiovisual materials, discussion, laboratory, lecture, and practical exercises. General course topics include system set-up for normal operation, system administrative function, system data flow and connectivity, system commands, troubleshooting and repair of system faults, and use of help resources.

**Related Competencies:** *Computer applications* topics include computer system connectivity, software fault identification, software installation, software modification, software repair, and user control.

**Credit Recommendation:** In the lower-division baccalaureate/associate degree category, 2 semester hours in computer applications (1/11)(1/11).

THIS EXHIBIT WAS LAST UPDATED ON 4/25/2011

## Course Exhibit

### CG-1715-0188

140' WTGB ELECTRONIC CHART PRECISE INTEGRATED NAVIGATION SYSTEM (ECPINS)  
BASIC OPERATOR (CGC-215)

**Course Number:** 502133.

**Location:** Command and Control Engineering Center, Portsmouth, VA.

**Length:** 1 week (31 hours).

**Exhibit Dates:** 3/10–Present.

**Learning Outcomes:** Upon completion of the course, the student will be able to operate and maintain the integrated ship control system; and set-up and configure an electronic chart system for simulated normal and abnormal operations.

**Instruction:** Methods of instruction include classroom exercises, computer-based training, laboratory, lecture, and practical exercises. General course topics include electronic chart basic operations, electronic chart system, electronic route planning, electronic route monitoring, radar operation start-up and shut-down procedures, ship positioning, route design, bearings, automatic direction finder, and collision avoidance techniques.

**Related Competencies:** *Electronic navigation systems* topics include diagnostics, electronic chart plotting, marine radar operation, navigational leg design and monitoring, route design, sensor alarms, and system troubleshooting.

**Credit Recommendation:** In the lower-division baccalaureate/associate degree category, 1 semester hour in electronic navigation systems (1/11) (1/11).

THIS EXHIBIT WAS LAST UPDATED ON 3/11/2011

## Course Exhibit

### CG-1715-0187

SHIPBOARD COMMAND AND CONTROL SYSTEM (SCCS) OPERATOR (CGC-220)

**Course Number:** 501793.

**Location:** Command and Control Engineering Center, Portsmouth, VA.

**Length:** 1 week (34 hours).

**Exhibit Dates:** 11/09–Present.

**Learning Outcomes:** Upon completion of the course, the student will be able to operate the shipboard command and control system (SCCS); and display navigational charts and be able to calculate navigation parameters such as, live-of-bearing, closed point of approach, and avoidance parameters etc.

**Instruction:** Methods of instruction include lecture, group, and practical exercises. General course topics include hardware overview, map options and bookmarks, plot controls, tactical decision aids, operate SCCS menus, track correlation, track database configuration, and back-up communication interfaces.

**Related Competencies:** *Electronic navigation systems* topics include bearing lines, closest point of approach, collision control, dead reckoning tracer, direction finding, electronic chart navigation, radar navigation, and search and rescue patterns.

**Credit Recommendation:** In the lower-division baccalaureate/associate degree category, 1 semester hour in electronic navigation systems (1/11) (1/11).

THIS EXHIBIT WAS LAST UPDATED ON 3/11/2011