

Management of Electrical & Electronic Control Equipment (MEECE) (STRCTR-176)

AKA Upgrade: Electrical, Electronics & Control Engineering (Management Level)

Course Length 35 hours (1 week)

Objective

Each student who successfully completes this course will comply with the Function Electrical and Electronic Control Equipment at the Management Level for competences; manage the operation of electrical, electronic and control equipment and manage trouble-shooting, restoration of electrical and electronic control equipment to operating condition from the STCW Code and will attain knowledge and proficiency in the following areas:

- Fundamentals of Marine Electro-technology
- Basics of Electronic and Power Electronic
- Principles of Control Engineering
- Design Features and System Configurations of Main Engines
- Generators and Power Distributions
- Steam Boilers
- Electrical Motors
- High Voltage Installations
- Features of Hydraulic and Pneumatic Control Equipment.

This Course is USCG Approved. The certificate will state:

“Any applicant who has successfully completed the Management of Electrical & Electronic Control Equipment (MEECE) (STRCTR-176) course will satisfy the Management of Electrical & Electronic Control Equipment training requirements of 46 CFR 11.325(a)(3)(iii) and (b)(3); 46 CFR 11.327(a)(3)(iii) and (b)(3); 46 CFR 11.331(a)(3)(iii) and (b)(3); and 46 CFR 11.333(a)(3)(iii) and (b)(3). This course does not satisfy any competencies required by STCW, as amended 2010.”

Scope

This course is intended to meet the training requirements as listed above in the USCG Approved Certificate section.

Entry standards/Prerequisites

This course is open to Chief Engineers and First Engineers (Second Engineer International) required to comply with STCW 2010 MEECE gap closing requirements by January 1st 2017.

Prerequisite knowledge of basic theory and shipboard electrical/electronic equipment, obtained through formal training and/or shipboard experience, is required.

Please be prepared for class with the following:

STAR will provide all necessary course materials.

Teaching Facility

STAR Center, Dania Beach, Florida