

# Electro-Technical Rating

This Electro-Technical Rating (ETR) course aims to provide a structured training program on the specific skills and competence for the acquisition of the required knowledge, understanding, and proficiency of candidates for certification as ETR in accordance with Regulation III/7 of the STCW'78 Convention, as amended.

## **Intended Training Outcome/s:**

**To meet the minimum standard of competence for all trainees assigned to shipboard duties as required in Section A-III/7 of the STCW Code, this course is designed to enable them to successfully demonstrate the competencies as Electro-Technical Rating. Specifically, at the end of the course, the trainee must be able to:**

### **Function 1 - Electrical, electronic, and control engineering at the support level**

- Safe use and operation of electrical equipment;
- Contribute to monitoring the operation of electrical systems and machinery; and
- Contribute to the maintenance and repair of electrical systems and machinery on board.

### **Function 3 - Controlling the operation of the ship and care for persons on board at the support level**

- Contribute to the handling of stores;
- Contribute to the maintenance and repair of electrical systems and machinery on board.

### **Function 3 - Controlling the operation of the ship and care for persons on board at the support level**

- Contribute to the handling of stores;
- Apply precautions and contribute to the prevention of pollution of the marine environment; and
- Apply occupational health and safety procedures.

## **Entry Standards:**

Trainees intending to enroll in this course should meet the following requirements:

1. Holder of a diploma in any of the following:
  - Basic Education K-12 Program with Pre-baccalaureate Maritime Specialization in Science, Technology, Engineering, and Mathematics (STEM) strand; OR
  - Technical Vocational Livelihood (TVL) Maritime Specialization; OR
  - Technical and Vocational Education and Training (TVET) specializing in any of the following Electrical, Electronics or Instrumentation.
2. Medically fit to enable them to participate in all aspects of the training, particularly the practical exercises