



Training Course Information Form

Course Information

Course Name:	Electro-Technical Rating		
Institute/Centre:	Port Training Institute	Course Code:	ABE02
Type:	<input checked="" type="checkbox"/> Program <input type="checkbox"/> Course	<input type="checkbox"/> Workshop	
Course Duration:	<input type="checkbox"/> 5 Days <input type="checkbox"/> 3 Days	<input checked="" type="checkbox"/> 10 Days	<input type="checkbox"/> Other
Course Conducted:	<input checked="" type="checkbox"/> Local <input type="checkbox"/> International	Indicate: A.R.E	
Course Venue:	Anywhere		
Course Language:	<input type="checkbox"/> English <input type="checkbox"/> Arabic	<input checked="" type="checkbox"/> Both	<input type="checkbox"/> Other

Course Description

Course Outlines

Electrical, electronic and control engineering

1. Safe use and operation of electrical equipment, Knowledge of the causes of electric shock and precautions to be observed to prevent shock.
 2. Basic knowledge of the operation of mechanical engineering systems.
 3. Basic knowledge of:
 - Electro-Technology and electrical machines theory.
 - Electrical power distribution boards and electrical equipment.
 - Fundamentals of automation, automatic control systems and technology.
 - Instrumentation, alarm and monitoring systems.
 - Electrical drives.
 - Electro-hydraulic and electro-pneumatic control systems.
 - Coupling, load sharing and changes in electrical configuration.
 4. Safety requirements for working on shipboard electrical systems.
 5. Ability to use lubrication and cleaning materials and equipment.
 6. Knowledge of safe disposal of waste materials.
 7. Ability to understand and execute routine maintenance and repair procedures.
 8. Understanding manufacturer's safety guidelines and shipboard instructions.
- Safety and emergency procedures.
9. Basic knowledge of electro-technical drawings and safe isolation of equipment and associated. Systems required before personnel are permitted to work on such plant or equipment.
 10. Test, detect faults and maintain and restore electrical control equipment and machinery to operating condition.
 11. Electrical and electronic equipment operating in flammable areas.
 12. Basics of ship's fire-detections system.
 13. Carrying out safe maintenance and repair procedures.
 14. Detection of machinery malfunction, location of faults and action to prevent damage.
 15. Maintenance and repair of lighting fixtures and supply systems.
 16. Knowledge of procedures for safe handling, stowage and securing of stores.
 17. Knowledge of the precautions to be taken to prevent pollution of the marine environment.

18. Knowledge of use and operation of anti-pollution equipment.
19. Knowledge of approved methods for disposal of marine pollutants.
20. Working knowledge of safe working practices and personal shipboard safety, including:

Course Objectives:

- This course aims to meet the mandatory requirement for training the engine rating in accordance with section A-III/7 of The STCW/78 Code, as Amended.

Course Includes: Theoretical Fire Training Module Laboratory
 Workshop Site Visit

Course Prerequisites: Holding a Maritime Passport With a Function Electrician Assistance & Sea Service (12) Months

Who Should Attend: Engineering

No. of Participants/Course: 5-10 10-15 15-20 Other

Qualifications of Participants:

- Industrial Technical Secondary Schools Diploma

No. of Lecturer: 1 2 5

No. of Assistance: 1 2 3

Course Facilities

White Board V. Projector Data Show PC Manual
 Books Handouts Flip Charts S/W Other

Course Evaluation

Written Examination Written Report(s) Oral Presentation Attendance
 Delegates Participation

Certificate Issue:

Local Premises AASTMT International

Course Registration

Admission and Registration

Department at the Port

Registration: Training Institute Online Other

Beside gate No. 27 - Outside

Customs area, Alexandria Port

Documents Required: Registration form ID/Passport Copy Photo