

ENGINE ROOM SIMULATOR AIII/6 TRAINING COURSE



TARGET GROUP

Entry to the course is open to Electrical Engineers, who wish to improve their knowledge and understanding of the operation and control of the machinery installation of a modern merchant ship using and Engine Room Simulator specified as one method of demonstrating competence in Column 3 of tables AIII/6, except the Function „Controlling the operation of the ship and care for the persons on board at the operational/management level“



OBJECTIVES OF THE COURSE

To gain knowledge and skills related to operation, supervising and monitoring the safe operation and control of ship's machinery in accordance with A-III/6 of STCW code.

In particular, the trainees will be able to have:

- familiarization with the use of instrumentation and controls used in the engine rooms of modern merchant ships
- an awareness of the need for proper pre-planning, the use of checklists and of the timescale involved in starting up propulsion plant machinery
- experience in identifying operational problems and trouble-shooting
- the ability of logical decision making which promotes operational safety



COURSE CONTENTS

The Training course covers the following topics:

- Monitor the operation of electrical, electronic and control systems
- Monitor the operation of automatic control systems of propulsion and auxiliary machinery
- Operate generators and distribution systems
- Operate and maintain power systems in excess of 1,000 volts
- Maintain and repair automation and control systems of main propulsion and auxiliary machinery
- Maintain and repair bridge navigation equipment and ship communication systems

COURSE LIMITATIONS



The maximum number of participants – 12 persons.

DURATION OF THE TRAINING COURSE



The duration of the Engine Room Simulator training course is following:

- For A-III/6 – 2 days

Note: during training course theoretical lessons are given using PowerPoint presentations, practical tasks are conducted remotely on the latest version of Engine Room Simulator developed by Transas – ERS 5000. Different types of ships (Tanker, General Cargo, Ro-ro, LNG, etc.) are available. Different types of engines (2- and 4-stroke diesel engines, Steam and Gas turbines) are available.