

Engine Room Simulator Course with ERRM (Engine Room Resource Management)

Scope

This course essentially covers all aspects of engine room operations, simulating the working of all engine room machinery and sub-systems particularly a model of Man B&W, 5L90MC-V, Main Engine. The course is developed with reference to STCW -Section A; Table A-III/2. All E/R systems and equipment can be started / operated with the consequent effects on relevant parameters clearly identifiable.

Lectures on operational procedures are followed up by practical exercises on the simulator for safe and efficient startup / operation of auxiliary and main machinery, electrical generation and distribution systems, steam plant turbo-alternator and shaft generator / motor.

This training course aims to enhance the capabilities of marine engineer practitioners primarily on the safe operation of various engine room machinery including ship's main propulsion plant. It also aims to enhance the capabilities of marine engineers in fault diagnosis and trouble shooting. Lastly, this course attempts to enrich marine engineer officers in the effective and efficient management of all engine room resources.

Objectives

To provide knowledge and skills to operate, supervise and monitor the safe operation and control of a ship's machinery installation in accordance with provisions of Section A-III/1, A-VII/2 and B-VIII/2 of the STCW95 Code.

At the end of this Course, the trainee shall be able to:

- Familiarization with the use of instrumentation and controls used the engine-rooms of modern merchant ships
- Awareness of the need for proper pre-planning, the use of checklists and of the timescales involved in startup procedures
- Understanding and awareness of correct watch-keeping procedures
- Understanding of the way in which machinery units are interdependent
- Experience in identifying operational problems and trouble-shooting them
- The ability to make decisions, which promote the safety and efficiency of an operational plant

Duration: 40 Hrs.



"TRAINING is not an OPTION... It is our SOLUTION..."