

Electrical Technical Officer

Duties

The Electrical Technical Officer (ETO) shall report to Chief Engineer who shall assign them to duty, both at sea and in port, and whose orders they shall consider effective and.

The ETO shall assist the 2nd Engineer when necessary in carrying out his duties.

The ETO is responsible for Monitoring and repairs of Reefer containers on board obtaining overall assistance of Chief Officer, Chief & 2nd Engineers

Duties upon joining a vessel

Upon joining the vessel and before taking over, the relieving Electrical Officer shall report his presence aboard to the Chief Engineer or in his absence to the 2nd Engineer, after which in company with the off signing Electrical Officer they are relieving; they shall make a thorough inspection, when practicable, of the Engine room, Accommodation and on deck.

In particular he will check the following:

Inventory and location of all Electrical spares and tools

Reefer spares inventory

Megger test report of all motors of the last quarter.

General condition of batteries on board

Condition of Engine room, cargo area and Bridge equipment and automation

After completion of their inspection, they shall report the result in detail to the chief Engineer, calling to his attention any discrepancies observed.

Electrical Officer is designated as In-charge of Electrical Maintenance:

The Electrical Officer will carry out his duties as in-charge of Electrical Maintenance and maintenance of Reefer containers under supervision of Chief Engineer:

-By maintaining the automation all the machineries on board i.e. Wheel House, engine room and cargo area automation. The Electrical officer will maintain automation including electrical and pneumatic automation.

-Maintaining all Alarm Monitoring systems

-Maintaining the Main & Emergency switchboards

-Maintaining all the batteries on board, including the batteries used for:

Emergency lighting

Emergency generator

GMDSS/ ECDIS

Life boats

Daylight signalling lamp

Batteries for Automation

-He is responsible for maintaining the megger test report of all the motors on board.

-Electrical Officer is responsible of maintenance of Reefer Containers under supervision of Chief Engineer

Electrical Officer is responsible inventory of electrical spares, store and tools on board.

Electrical Officer is responsible for inventory of Reefer spares on board.

Scrubber Equipment - Duties

- Overall, in charge and assist 2E in maintaining / trouble shooting all electro pneumatic valves, various transducers, actuators, dampers fitted in wash water and exhaust system.
- Assist CE in Ph, PAH, Turbidity, Density Sensor validation and Calibration.
- Assist CE in CEMS validation/calibration using span gas.
- In charge for all control/Automation maintenance and its trouble shooting.
- Assist CE in extracting MARPOL data.
- Assist CE on periodical checks on Scrubber safety alarms and trips as stated in PMS.