

- (iii) marine gas turbines;
- (b) operation and maintenance of auxiliary machinery, including pumping and piping systems, auxiliary boiler plant and steering gear systems;
- (c) operation, testing and maintenance of electrical and control equipment;
- (d) operation and maintenance of cargo handling equipment and deck machinery;
- (e) detection of machinery malfunction, location of faults and action to prevent damage;
- (f) organization of safe maintenance and repair procedures;
- (g) methods of, and aids for, fire prevention, detection and extinction;
- (h) methods and aids to prevent pollution of the environment by ships;
- (i) regulations to be observed to prevent pollution of the marine environment;
- (j) effects of marine pollution on the environment;
- (k) first aid related to injuries which might be expected in machinery spaces and use of first aid equipment;
- (l) functions and use of life-saving appliances;
- (m) methods of damage control;
- (n) safe working practices.

5. Every candidate shall possess a knowledge of international maritime law embodied in international agreements and conventions as they affect the specific obligations and responsibilities of the engine department, particularly those concerning safety and the protection of the marine environment. The extent of knowledge of national maritime legislation is left to the discretion of the Administration but shall include national arrangements for implementing international agreements and conventions.

6. Every candidate shall possess a knowledge of personnel management, organization and training aboard ships.

Regulation III/3

*Mandatory Minimum Requirements for Certification of Chief
Engineer Officers and Second Engineer Officers of Ships
Powered by Main Propulsion Machinery between 750 kW
and 3 000 kW Propulsion Power*

1. Every chief engineer officer and second engineer officer of a sea-going ship powered by main propulsion machinery of between 750 and 3 000 kW propulsion power shall hold an appropriate certificate.
2. Every candidate for certification shall:
 - (a) satisfy the Administration as to medical fitness, including eyesight and hearing;