

PART D - ELECTRICAL INSTALLATIONS

Regulation 41 - Main source of electrical power and lighting systems

5 The following new paragraph 5 is added after existing paragraph 4:

- "5 Ships constructed on or after 1 July 1998:
- .1 in addition to paragraphs 1 to 3, shall comply with the following:
 - .1.1 where the main source of electrical power is necessary for propulsion and steering of the ship, the system shall be so arranged that the electrical supply to equipment necessary for propulsion and steering and to ensure safety of the ship will be maintained or immediately restored in the case of loss of any one of the generators in service;
 - .1.2 load shedding or other equivalent arrangements shall be provided to protect the generators required by this regulation against sustained overload;
 - .1.3 where the main source of electrical power is necessary for propulsion of the ship, the main busbar shall be subdivided into at least two parts which shall normally be connected by circuit breakers or other approved means; so far as is practicable, the connection of generating sets and other duplicated equipment shall be equally divided between the parts; and
 - .2 need not comply with paragraph 4."

Regulation 42 - Emergency source of electrical power in passenger ships

6 The following new paragraph 3.4 is added after existing paragraph 3.3:

"3.4 For ships constructed on or after 1 July 1998, where electrical power is necessary to restore propulsion, the capacity shall be sufficient to restore propulsion to the ship in conjunction with other machinery, as appropriate, from a dead ship condition within 30 min after blackout."

Regulation 43 - Emergency source of electrical power in cargo ships

7 The following new paragraph 3.4 is added after existing paragraph 3.3:

"3.4 For ships constructed on or after 1 July 1998, where electrical power is necessary to restore propulsion, the capacity shall be sufficient to restore propulsion to the ship in conjunction with other machinery, as appropriate, from a dead ship condition within 30 min after blackout."