

switchboard to inhibit stray radio frequency and interference.

- (3) Wherever practical the main and radio installation switchboards shall not be fitted in the immediate vicinity of batteries.
- (4) For new vessels, all main switchboards shall carry at least two spare sets of ways for future additional circuits.
- (5) A fully insulated distribution system shall be used.
- (6) Adequate provision shall be made for securing electrical connections by use of locking washers.
- (7) Cables and switches shall have a capacity of at least 10 per cent greater than the maximum calculated current flow of the circuit.
- (8) Systems shall be two wire except that single wire systems are acceptable for engine circuits comprising engine mounted equipment and which have a return connection made at the engine itself.
- (9) Systems in which there is no intentional connection of the circuit to earth (insulated systems) shall be provided with double pole switches, except that single pole switches may be used in the final sub-circuit.
- (10) Single pole switches are acceptable in a system with one pole earthed. Fuses shall not be installed in an earthed conductor.
- (11) All circuits, except the main supply from the battery to the starter motor and electrically driven steering motors shall be provided with electrical protection against overload and short circuit (i.e. fuses or circuit breakers shall be installed).
- (12) Short circuit protection shall be for not less than twice the total rated current of the motors in the circuit protected. Steering motors shall have an overload alarm in lieu of overload protection.