

SC83 Continuity of the Supply when Transformers Constitutes an Essential Part of the Electrical Supply System

(Chapter II-1, Regulation 41.1.5)

The number, capacity and arrangement of power transformers supplying auxiliary electrical systems are to be such that with any one transformer not in operation, the remaining transformer(s) is (are) sufficient to ensure the safe operation of those services necessary to provide normal operational conditions of propulsion, safety and minimum comfortable conditions of habitability are also to be ensured, which include at least adequate services for cooking, heating domestic refrigeration, mechanical ventilation, sanitary and fresh water.

Each transformer required is to be located as a separate unit with separate enclosure of equivalent, and is to be served by separate circuits on the primary and secondary sides. Each primary circuit is to be provided with switch-gear and protection devices in each phase.

Each of the secondary circuits is to be provided with a multipole isolating switch.

Transformers supplying bow thruster are excluded.

EXAMPLES :

