

SINGAPORE STANDARD

CP 47 : 1989

(ICS 29.260; 47.020)

CODE OF PRACTICE FOR

**Temporary electrical
installations for shipbuilding
and shiprepairing yards**

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SINGAPORE STANDARD

**CODE OF PRACTICE FOR TEMPORARY ELECTRICAL INSTALLATIONS
FOR SHIPBUILDING AND SHIPREPAIRING YARDS**

FOREWORD

This Code of Practice was prepared by the Technical Committee on Code of Practice for Temporary Electrical Installations for Shipbuilding and Shiprepairing Yards under the direction of the Electrical Industry Practice Committee.

This Code gives guidance which relates to temporary electrical installations for use by the shipyards' personnel in the building and repairing of vessels in yards. Electrical supplies connected for installations on vessels or used by their staff are outside the scope of this Code.

This Code is drawn up to supplement the general requirements of Singapore Standard CP 5 – Wiring of Electrical Equipment of Buildings and includes recommendations with regard to inspection, testing and maintenance.

NOTE

1. Singapore Standards are subject to periodical review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue either of amendment slips or of revised editions.
2. Compliance with a Singapore Standard does not exempt users from legal obligations.

1. GENERAL

1.1 Scope. This Code relates to the provision of temporary electric supplies from the shore fixed installations or from portable generating plants placed on board vessels to vessels under construction and during repair and conversion work.

This Code covers all temporary installations in the building and repairing of vessels in the yards. It shall include:

- (a) all temporary supplies for lighting, welding sets and other electrically driven equipment in the fabrication areas;
- (b) all temporary supplies for vessels moored alongside the yards.

The temporary supplies voltage shall be taken to be not higher than low voltage, not exceeding 1000 V. Higher supply voltages are not covered by this Code and shall be treated separately.

1.2 Object. The recommendations contained in this Code are intended for the safety of workers and crew while the vessels are under construction and under repair and conversion. It shall be read in conjunction with Singapore Standard CP 5.

This Code shall cover electrical installations and practices generally experienced in the yards under normal safe working environment. For installations in hazardous spaces or zones in vessels which contain flammable and explosive vapours or gases, permission shall be obtained from the Safety Department or relevant authorities prior to entry to such spaces or zones.

1.3 Relationship With Statutory Regulations. This Code is to be implemented in conjunction with other statutory requirements currently in force in the Republic of Singapore and should there be any conflicting requirements in the Acts and their Regulations, clarification should be obtained from the relevant bodies administering the Acts and Regulations.

1.4 Materials, Appliances And Components. Although Singapore Standards and British Standards have been adopted in this Code for materials, appliances and components used in the installation, other equivalent material standards not inferior to any of these standards may be accepted.

1.5 Definitions. For the purpose of this Code, the following definitions shall apply. Other terms are used in the sense defined in Singapore Standard CP 5.

1.5.1 Competent person. An electrical worker licensed under the Electrical Workers and Contractors Licensing Act, 1974.

1.5.2 Readily accessible. Capable of being reached quickly, for operation, renewal or inspection, without requiring those to whom ready access is requisite to climb over or remove obstacles or to resort to portable ladders, chairs, etc.

1.5.3 Vessels. All kinds of floating boats and ships, including barges, fishing boats, tug boats, cargo ships, tankers, bulk carriers, passenger ships, oil rigs, etc.

1.6 Supplies. All references throughout the Code for alternating current (a.c.) supplies relate to a frequency of 50 Hz unless otherwise stated. All references to alternating voltage and current relate to r.m.s values unless otherwise stated.