

**PART II RULES FOR THE CONSTRUCTION
AND CLASSIFICATION OF SHIPS
IDENTIFIED BY THEIR MISSION**

TITLE 34 LIQUEFIED GAS CARRIERS

**INTERNATIONAL CODE FOR THE
CONSTRUCTION AND EQUIPMENT OF SHIPS
CARRYING LIQUEFIED GASES IN BULK, 2006, AS
AMENDED**

SECTION 7 ELECTRICITY

CHAPTERS

A ELECTRICAL SYSTEMS

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CHAPTER A ELECTRICAL INSTALLATIONS

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A1. ELECTRICAL INSTALLATIONS

A1. 10 ELECTRICAL INSTALLATIONS

100. 10.1 General

101. 10.1.1 The provisions of this chapter are applicable to ships carrying flammable products and should be applied in conjunction with part D of chapter II-1 of the 1983 SOLAS amendments.

102. 10.1.2 Electrical installations should be such as to minimize the risk of fire and explosion from flammable products.* Electrical installations complying with this chapter need not be considered as a source of ignition for the purposes of Section 1, chapter C.

* Refer to the relevant standards of the International Electrotechnical Commission, in particular publication 60092-502.

103. 10.1.3 Administrations should take appropriate steps to ensure uniformity in the implementation and application of the provisions of this chapter in respect of electrical installations.

104. 10.1.4 Electrical equipment or wiring should not be installed in gas-dangerous spaces or zones unless essential for operational purposes.

105. Electrical equipment, cables and wiring should not be installed in hazardous locations unless it conforms with the standards not inferior to those acceptable to the Organization*. However, for locations not covered by such standards, electrical equipment, cables and wiring which do not conform to the standards may be installed in hazardous locations based on a risk assessment to the satisfaction of the Administration, to ensure that an equivalent level of safety is assured.

* Refer to the standards published by the International Electrotechnical Commission, IEC 60092-502: 1999 'Electrical installations in ships - Tankers'.

106. 10.1.5 Where electrical equipment is installed in gas-dangerous spaces or zones as provided in 10.1.4, it should be to the satisfaction of the Administration and approved by the relevant authorities recognized by the Administration for operation in the flammable atmosphere concerned.