

# IEEE Recommended Practice for Electrical Installations on Shipboard— AC Switchboards

IEEE Marine Industry Subcommittee of the Industry Applications  
Society

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Petroleum & Chemical Industry Committee



# **IEEE Recommended Practice for Electrical Installations on Shipboard— AC Switchboards**

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**Petroleum & Chemical Industry Committee**  
of the  
**IEEE Marine Industry Subcommittee of the Industry Applications Society**

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**IEEE-SA Standards Board**

**Abstract:** Recommendations for the design, selection, and installation of switchboards on merchant vessels with electrical apparatus for lighting, signaling, communication, power, and propulsion are provided.

**Keywords:** IEEE 45.7, marine electrical engineering, marine vessels, shipboard systems, ships, switchboards

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## 1. Overview

IEEE 45 has grown due to new technology and methods. As a result, the document is being divided into a top-level document (IEEE Std 45-2002) and seven sub-documents IEEE Std 45.1 through IEEE Std 45.7. This document addresses the recommended practice for shipboard electric systems integration.

### 1.1 Scope

Design, installation, and testing recommendations for generator control panels and switchboards on ship are established by this document. These recommendations reflect the present-day technologies, engineering methods, and engineering practices.

This document is intended to be used in conjunction with IEEE Std 45-2002, IEEE Recommended Practice for Electric Installations on Shipboard.