

P45.1

Submitter Email: Ingarrett@bishopgroup.net

Type of Project: New IEEE Standard

PAR Request Date: 20-Oct-2008

PAR Approval Date: 10-Dec-2008

PAR Expiration Date: 31-Dec-2012

Status: PAR for a New IEEE Standard

Project Record:

1.1 Project Number: P45.1

1.2 Type of Document: Recommended Practice

1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for Electrical Installations on Shipboard Design

3.1 Working Group: Working Group for Electrical Installations on Shipboards (IAS/PCI/45_WG)

Contact Information for Working Group Chair

Name: Mohammed Islam

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Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Industry Applications Society/Petroleum & Chemical Industry (IAS/PCI)

Contact Information for Sponsor Chair

Name: William McBride

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Contact Information for Standards Representative

None

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 06/2011

4.3 Projected Completion Date for Submittal to RevCom: 12/2011

5.1 Approximate number of people expected to be actively involved in the development of this project: 30

5.2 Scope: The design recommendations for AC power systems, DC power systems, emergency power systems, shore power, power quality and harmonics, electric propulsion and maneuvering systems, motors and drives, thrusters, steering systems on shipboards 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 45.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: An extension of the baseline technology and methods covered in IEEE Std 45, P45.1 provides a consensus of recommended practices for design in marine electrical engineering as applied specifically to ships, shipboard systems, and equipment.

5.5 Need for the Project: IEEE 45 has grown due to new technology and methods. As a result, the document is being divided into a top-level document (IEEE 45) and six sub-documents IEEE 45.1 through IEEE 45.6.

This document addresses the recommended practice for shipboard electric design.

5.6 Stakeholders for the Standard: Port, shipping companies, off-shore exploration and production facilities, U.S. Navy and other navies

Intellectual Property

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board?: Yes

If yes, state date: 20-Sep-2008

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.c. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 International Activities

a. Adoption

Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: Do Not Know

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Name:

Phone:

Email:

b. Joint Development

Is it the intent to develop this document jointly with another organization?: No

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: Do Not Know

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Name:

Phone:

Email:

8.1 Additional Explanatory Notes (Item Number and Explanation):