

P45.4

Submitter Email: dwight.alexander@ngc.com

Type of Project: New IEEE Standard

PAR Request Date: 23-Jan-2015

PAR Approval Date: 26-Mar-2015

PAR Expiration Date: 31-Dec-2019

Status: PAR for a New IEEE Standard

1.1 Project Number: P45.4

1.2 Type of Document: Recommended Practice

1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for Electrical Installations on Shipboard - Marine Sectors and Mission Systems

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

Contact Information for Working Group Chair

Name: Dwight Alexander

Email Address: dwight.alexander@ngc.com

Phone: 408-594-1051

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: Robert Durham

Email Address: rdurham@thewaycorp.com

Phone: 918.645.6109

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: 11/2016

4.3 Projected Completion Date for Submittal to RevCom: 08/2017

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

5.2 Scope: This recommended practice identifies the various marine segments and ships covered by IEEE 45 and other standards such as IEEE 1713. It provides grouping of ships and their predominant mission systems for classification and used by other parts of IEEE 45 and other standards. 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, P45.4 provides a consensus of recommended practices for marine sectors and mission systems 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 45.8. This document addresses the recommended practice for marine sectors and mission systems.

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

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. 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 Joint Development

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

8.1 Additional Explanatory Notes (Item Number and Explanation): 5.2 IEEE 45 - Recommended Guide for Electrical Installations Shipboard; IEEE 1713 - Medium Voltage Shore Power