

P80005-2

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Type of Project: New IEEE Standard

PAR Request Date: 04-Sep-2011

PAR Approval Date: 09-Nov-2011

PAR Expiration Date: 31-Dec-2015

Status: PAR for a New IEEE Standard

1.1 Project Number: P80005-2

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Cold Ironing Part 2: High Voltage Shore Connection (HVSC) Systems - Communication Interface Description

3.1 Working Group: Electrical Shore-to-Ship Connections WG (IAS/PCI/ShorePwr)

Contact Information for Working Group Chair

Name: Kevin Peterson

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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

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 06/2012

4.3 Projected Completion Date for Submittal to RevCom: 10/2014

5.1 Approximate number of people expected to be actively involved in the development of this project: 15

5.2 Scope: This standard describes the data interfaces of shore and ships as well as step-by-step the procedures for the onshore power supply communication. All arguments, which are written in italics in this standard, are signals of the telegrams. In the interface descriptions the address and data type are specified.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes

If yes please explain: This standard would be an addition to standard IEC/ISO/IEEE 80005-1. IEC/ISO/IEEE 80005-1 has balloted successfully and is in the final editing stages with an expected publish date of 2012 Q2.

5.4 Purpose: This document will not include a purpose clause.

5.5 Need for the Project: Many ports worldwide are encouraging or requiring certain vessels to connect to shore power for the duration of port visits to reduce air pollution emissions. Coordinated development of analytical techniques, port infrastructure and shipboard electrical plants will facilitate the implementation of the "any ship, any port" concept.

5.6 Stakeholders for the Standard: Target users for this standard are ports, shipbuilders, designers of shore power systems as well as end users and regulatory agencies.

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?: Yes

Organization: International Electrotechnical Commission (IEC)

Technical Committee Name: Electrical Installations of Ships and of Mobile and Fixed Offshore Units

Technical Committee Number: 18

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8.1 Additional Explanatory Notes (Item Number and Explanation): 5.3: IEC/ISO/IEEE 80005-1 Ed.1: Cold Ironing Part 1: High Voltage Shore Connection (HVSC) Systems - General requirements