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12 May 2005

Richard H Hulett
Thermon Industries
237 Muse Drive
El Dorado Hills, CA 95762
rhulett@thermon.com

Re: P1566 - Standard for Performance of Adjustable Speed AC Drives Rated 375 kW and Larger

Dear Richard:

I am pleased to inform you that on 10 May 2005 the IEEE-SA Standards Board approved the above referenced project until 31 December 2005. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1566.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at j.haasz@ieee.org no later than 08 August 2005.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
Program Manager
International Stds Programs and Governance
Standards Activities
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CC: h.l.floyd@ieee.org, lockleyb@telusplanet.net

PAR FORM

PAR Status: Modified New PAR
PAR Approval Date: 2005-05-10
PAR Signature Page on File: Yes

1. Assigned Project Number: P1566

2. Sponsor Date of Request: 2005-02-17

3. Type of Document: Standard for

4. Title of Document:

Draft: Standard for Performance of Adjustable Speed AC Drives Rated 375 kW and Larger

5. Life Cycle: Full-Use

6. Type of Project:

6a. Is this an update to an existing PAR? Yes

If Yes: Indicated PAR number/approval date: 1566 - 2000-01-30

If Yes: Is this Project in Ballot now? No

6b. The Project is a: New Standard

7. Working Group Information:

Name of Working Group: P1566

Approximate Number of Expected Working Group Members:30

8. Contact information for Working Group Chair:

Name of Working Group Chair: William Lockley

Telephone: 403-239-2164 **FAX:** 403-239-2186

Email: lockleyb@telusplanet.net

9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:

Name of Co-Chair/Official Reporter, Project Editor or Document Custodian:

Telephone: **FAX:**

Email:

10. Contact information for Sponsoring Society or Standards Coordinating Committee:

Name of Sponsoring Society and Committee: Industry Applications Society Petroleum & Chemical Industry

Name of Sponsoring Committee Chair: H. Landis Floyd

Telephone: 302-695-0146 **FAX:** 302-695-0734

Email: h.l.floyd@ieee.org

Name of Liaison Rep. (if different from the Sponsor Chair): Richard H Hulett

Telephone: 916-939-0394 **FAX:** 916-933-5577

Email: rhulett@thermon.com

Name of Co-Sponsoring Society and Committee:**Name of Co-Sponsoring Committee Chair:****Telephone: FAX:****Email:****Name of Liaison Rep. (if different from the Sponsor Chair):****Telephone: FAX:****Email:****11. The Type of ballot is:** Individual Sponsor Ballot**Expected Date of Submission for Initial Sponsor Ballot:** January 2005**12. Projected Completion Date for Submittal to RevCom:** August 2005**Target Extension Request Information for a Modified PAR whose completion date is being extended past the original four-year life of the PAR:****13. Scope of Proposed Project:**

This standard applies to AC adjustable speed drive (ASD) systems rated over 375 kW and above 750 V output voltage as used in petrochemical and similar applications. It covers the performance requirements for an ASD system including, but not limited to, input transformer or reactor as required, power electronics, control interfaces, cooling system, switchgear, and motor. Requirements for power quality, engineering analysis, start-up assistance, training, and spare parts are also included. Certain items such as the motor, switchgear or transformer may be excluded from the scope of vendor supply if so specified in the data sheets; however the system vendor shall specify any special requirements for the equipment thus excluded.

Is the completion of this document contingent upon the completion of another document?

No

14. Purpose of Proposed Project:

The purpose of this document is to assist users to define the required performance of a drive system in clear terms. It is not intended to specify a particular technology which must be followed. It is intended to be used with the data sheets which are included in the appendix in the document.

15. Reason for the Proposed Project:

Presently, ordering large drives is a confusing job due to there not being any standard specifications that purchasers and vendors can follow. This document will make purchasing easier and assist purchasers to be able to specify and compare products. Stakeholders are the users, manufacturers and consultants involved with large ASDs.

16. Intellectual Property:**a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-04-11**b. Is the sponsor aware of copyright permissions needed for this project?** No**c. Is the sponsor aware of trademarks that apply to this project?** No

d. Is the sponsor aware of possible registration activity related to this project? No

17. Are there other documents or projects with a similar scope? No

Similar Scope Project Information:

18. Is there potential for this document (in part or in whole) to be adopted by another national, regional or international organization? Do not know at this time

If yes, the following questions must be answered:

Organization Name?

Technical

Committee

International

Contact

Information?

19. Will this project result in any health, safety, or environmental guidance that affects or applies to human health or safety? No

If yes, please explain:

20. Sponsor Information

a. Is the scope of this project within the approved/scope/definition of the Sponsor's Charter? Yes

If no, please explain:

b. The Sponsor's procedures have been accepted by the IEEE-SA Standards Board Audit Committee? Yes

21. Additional Explanatory Notes: (Item Number and Explanation)

This PAR revision is being made to align the Title, Scope and Purpose with the actual document being submitted for ballot. SI-based metric units are being used and English units have been removed.

Item #4 - The title has been changed to reflect adjustable speed rather than adjustable frequency, which is IEEE practice.

Item #13 - The scope was rewritten to be more specific and to conform with SI Units.

Item #14 - The purpose has been changed to be more specific.