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## myProject™ - P3002.8 PAR Detail

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**Submitter Email:** ccook@sandc.com

**Type of Project:** New IEEE Standard

**PAR Request Date:** 08-May-2008

**PAR Approval Date:** 12-Jun-2008

**PAR Expiration Date:** 31-Dec-2012

**Status:** PAR for a New IEEE Standard

**Project:**

**Root Project:**

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**1.1 Project Number:** P3002.8

**1.2 Type of Document:** Recommended Practice

**1.3 Life Cycle:** Full Use

**1.4 Is this project in ballot now?** No

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**2.1 Title:** Recommended Practice for Conducting Harmonic-Analysis Studies of Industrial and Commercial Power Systems

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**3.1 Working Group:** Power Systems Analysis WG (IAS/TBCC/PSA WG)

**Contact Information for Working Group Chair**

None

**Contact Information for Working Group Vice-Chair**

None

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**3.2 Sponsoring Society and Committee:** IEEE Industry Applications Society/Technical Books Coordinating Committee (IAS/TBCC)

**Contact Information for Sponsor Chair**

**Name:** Carey Cook

**Email:** ccook@sandc.com

**Phone:** 773-338-1000

**Contact Information for Standards Representative**

None

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**4.1 Type of Ballot:** Individual

**4.2 Expected Date of Submission for Initial Sponsor Ballot:** 10/2009

**4.3 Projected Completion Date for Submittal to RevCom:** 05/2010

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**5.1 Approximate number of people expected to work on this project:** 10

**5.2 Scope:** This recommended practice describes how to conduct harmonic analysis studies of industrial and commercial power systems. The basic concepts involved in such studies are described first. This is followed by a discussion of how to determine the need for a harmonic analysis study, how to assemble the required data, how to recognize potential problems, and how to implement corrective measures.

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

**5.4 Purpose:** IEEE's Industrial Applications Society has determined a need for reorganizing the IEEE's Color Books Series, 13 books that currently cover various topics that fall under the purview of the Industrial and Commercial Power Industry. This comprehensive initiative, driven by the volunteer leadership of I&CPS, acknowledges that the continued and long-term maintenance

of IEEE's Color Books has been affected by significant attrition due to declining volunteer resources, the complexity involved in updating each book, and content duplication among the books. The existing content will be integrated into a newly proposed structure by technical topics that will allow for easy updating, more streamlined content, and elimination of duplicative material. [Note: This purpose will not be included in the document]

**5.5 Need for the Project:** This new standard is part of a larger project to revise and reorganize the technical content of the 13 existing IEEE Color Books. Benefits of the project include, but are not limited to: 1) the elimination of duplicate material that now exists in the various color books, 2) the speeding up of the revision process by allowing Color Book content to be reviewed, edited and balloted in smaller segments, and 3) to accommodate more modern, efficient and cost effective physical publishing/distribution methodologies (i.e., the elimination of large and expensive to produce books). This recommended practice is likely to be of greatest value to the power-oriented engineer with limited experience with such requirements. It can also be an aid to all engineers responsible for the electrical design of industrial and commercial power systems.

**5.6 Stakeholders for the Standard:** Those responsible for the analysis of industrial and commercial power systems.

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## 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: 05/04/2008

**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**

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**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? No**

**Organization:**

**Technical Committee Name:**

**Technical Committee Number:**

**Contact Person Name:**

**Contact Person Phone:**

**Contact Person Email:**

### b. Joint Development

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

**Organization:**

**Technical Committee Name:**

**Technical Committee Number:**

**Contact Person Name:**

**Contact Person Phone:**

**Contact Person Email:**

### c. Harmonization

**Are you aware of another organization that may be interested in portions of this document in their standardization development efforts? No**

**Organization:**

**Technical Committee Name:**

**Technical Committee Number:**

**Contact Person Name:**

**Contact Person Phone:**

**Contact Person Email:**

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## 8.1 Additional Explanatory Notes (Item Number and Explanation):

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