P3001.2

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Type of Project: Modify Existing Approved PAR
PAR Request Date: 19-Jul-2017
PAR Approval Date: 28-Sep-2017
PAR Expiration Date: 31-Dec-2017
Status: Modification to a Previously Approved PAR
Root PAR: P3001.2  Approved on: 12-Jun-2008

1.1 Project Number: P3001.2
1.2 Type of Document: Recommended Practice
1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for Evaluating the Electrical Service Requirements of Industrial and Commercial Power Systems

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  None

3.2 Sponsoring Society and Committee: IEEE Industry Applications Society/Technical Books Coordinating Committee (IAS/TBCC)
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  None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 06/2016
4.3 Projected Completion Date for Submittal to RevCom
  Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2017

5.1 Approximate number of people expected to be actively involved in the development of this project: 12
5.2 Scope: This recommended practice explores commercial, institutional, and industrial design of electrical services, interconnecting with a utility distribution or transmission system. Close coordination between the facility electrical designer and the serving utility are critical for a successful service connection. This recommended practice considers the electrical system information needed by the designer concerning the utility’s system characteristics and the electrical load information need by the utility to design a satisfactory electrical interface between the serving utility and the premise electrical distribution system. It describes various ways to take power from the serving utility. It also covers the specific requirements for utility metering on service entrance equipment, as well as service equipment rooms, vaults and pads.

Changes in scope: This recommended practice explores commercial, institutional, and industrial design of electrical services, interconnecting with a utility distribution or transmission system. Close coordination between the facility electrical designer and the serving utility are critical for a successful service connection. This recommended practice considers the electrical system information needed by the designer concerning the utility’s system characteristics and commercial power electrical systems. Load information need by the utility to design a satisfactory electrical interface between the serving utility and the premise electrical distribution system. It describes various ways to take power from the serving utility (e.g., radial, loop). It also covers the specific requirements for utility metering on service entrance equipment, as well as service equipment rooms, vaults and pads, and other ways of connecting to the utility’s service point. Special application requirements are also discussed.

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 design of industrial and commercial power systems.

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:  Section 5.2.
The working group members who created the draft were not aware that the scope in the recommended practice had to match the scope of the PAR.
The original scope contains a sentence that implies an organization of the content sequence that was not followed exactly. The scope that they created is a better, more accurate, description.
In addition, the scope is changed to replace the word "standard" with "recommended practice" at the suggestion of one of the balloters.