

P1491

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Type of Project: Modify Existing Approved PAR

PAR Request Date: 05-Jan-2012

PAR Approval Date: 29-Mar-2012

PAR Expiration Date: 31-Dec-2012

Status: Modification to a Previously Approved PAR for the Revision of a Standard

Root PAR: P1491 **Approved on:** 25-May-2006

Root Project: 1491-2005

1.1 Project Number: P1491

1.2 Type of Document: Guide

1.3 Life Cycle: Full Use

2.1 Title: Guide for Selection and Use of Battery Monitoring Equipment in Stationary Applications

3.1 Working Group: Battery Monitoring Working Group (PE/SB/WG_1491)

Contact Information for Working Group Chair

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3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Stationary Batteries Committee (PE/SB)

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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: 01/2012

4.3 Projected Completion Date for Submittal to RevCom: 02/2012

5.1 Approximate number of people expected to be actively involved in the development of this project: 40

5.2 Scope: This guide discusses operational parameters that may be observed by battery monitoring equipment used in stationary applications, and the relative value of such observations. Although this guide does not give a listing of commercially available systems, it does provide a means for establishing specifications for the desired parameters to be monitored.

Changes in scope: This guide discusses operational parameters that may be observed by battery monitoring equipment used in stationary applications, and the relative value of such observations. Although this guide does not give a listing of commercially available systems, it does provide a means for establishing specifications for the desired parameters to be monitored.

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

5.4 Purpose: Today's critical backup power environments have created a need for reliable monitoring of stationary batteries to determine the current state of health of these systems. This guide will define various parameters for battery monitoring that will provide useful information to aid in the ongoing maintenance and potential replacement of these batteries. In addition, other areas affecting battery monitoring including intermittent charging, communications interface, security, and operating environments are also addressed in this Guide.

Changes in purpose: Today's ~~mission-critical environment~~ backup has power environments have created a need for ~~unmanned~~ reliable surveillance monitoring systems of for stationary batteries to determine the current state of health of these systems. This guide will ~~propose~~ define various parameters for battery surveillance monitoring ~~to that achieve~~ will provide useful information for to aid in the ongoing maintenance and potential replacement purposes of these batteries. ~~Because~~ In communications addition, will other play areas an affecting issue battery with monitoring remote including applications intermittent charging, a communications description interface, of security, typical and arrangements operating will environments provide are

additional insight addressed in this Guide.

5.5 Need for the Project: There are measurement parameters that are not contained within the existing document due to changes in measurement technology since this standard was started over 10 years ago. The reason has to do with update of the standard to the current state of the art.

5.6 Stakeholders for the Standard: Stakeholders of this project would be battery monitoring equipment manufacturers, battery, and battery services companies, major users of this equipment and related services, and the battery engineering community at large.

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): Item 5.2: Scope has not changed. Item 5.4: Purpose has changed to clarify the content of the Guide and to make the purpose more easily readable.