

P1188

Submitter Email: wcantor@ieee.org

Type of Project: Revision to IEEE Standard 1188-2005

PAR Request Date: 15-Jun-2016

PAR Approval Date: 22-Sep-2016

PAR Expiration Date: 31-Dec-2020

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 1188-2005

1.1 Project Number: P1188

1.2 Type of Document: Recommended Practice

1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for Maintenance, Testing, and Replacement of Valve-Regulated Lead-Acid (VRLA) Batteries for Stationary Applications

Changes in title: ~~IEEE~~ Recommended Practice for Maintenance, Testing, and Replacement of Valve-Regulated Lead-Acid (VRLA) Batteries for Stationary Applications

3.1 Working Group: VRLA Maintenance and Testing Working Group (PE/SB/WG_1188)

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)

Contact Information for Sponsor Chair

Name: Richard Tressler

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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: 12/2017

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2019

5.1 Approximate number of people expected to be actively involved in the development of this project: 25

5.2 Scope: This recommended practice is limited to maintenance, test schedules, and testing procedures that can be used to optimize the life and performance of valve-regulated lead-acid (VRLA) batteries for stationary applications. It also provides guidance to determine when batteries should be replaced.

The maintenance and testing programs described in this recommended practice represent "the best program" based on the information reviewed at the time this document was developed. The user should evaluate these practices against their operating experience, operating conditions, manufacturer's recommendations, resources, and needs in developing a maintenance program for a given application. Some guidance is provided to assist the user in this evaluation.

These maintenance and testing recommendations were developed without consideration of economics, availability of testing equipment

Changes in scope: This recommended practice is limited to maintenance, test schedules, and testing procedures that can be used to optimize the life and performance of valve-regulated lead-acid (VRLA) batteries for stationary applications. It also provides guidance to determine when batteries should be replaced. The maintenance and testing programs described in this recommended practice represent "the best program" based on the information reviewed at the time this document was developed. The user should evaluate these practices against their operating experience, operating conditions, manufacturer's recommendations, resources, and needs in developing a maintenance program for a given application. **Some guidance is provided to assist the user in this evaluation.** These maintenance and testing recommendations were developed without consideration of economics, availability of testing equipment and personnel, or relative importance

and personnel, or relative importance of the application. Development of a maintenance and testing program for a specific application requires consideration of all issues, not just the technical issues considered in this document.

Stationary cycling applications, such as those found in alternative energy applications, are also beyond the scope of this recommended practice.

This recommended practice does not include any other component of the dc system nor surveillance and testing of the entire dc system, even though the battery may be part of that system. Sizing, installation, qualification, selection criteria, and other battery types and applications are also beyond the scope of this recommended practice.

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

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

5.5 Need for the Project: There is significantly more data available on methods for maintaining and testing VRLA batteries. Changes also have been made on how VRLA batteries are manufactured and more is known concerning the failure mechanisms of these batteries. The document should be revised to reflect these changes.

5.6 Stakeholders for the Standard: Electrical utilities, Telecom, UPS, battery manufacturers

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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: