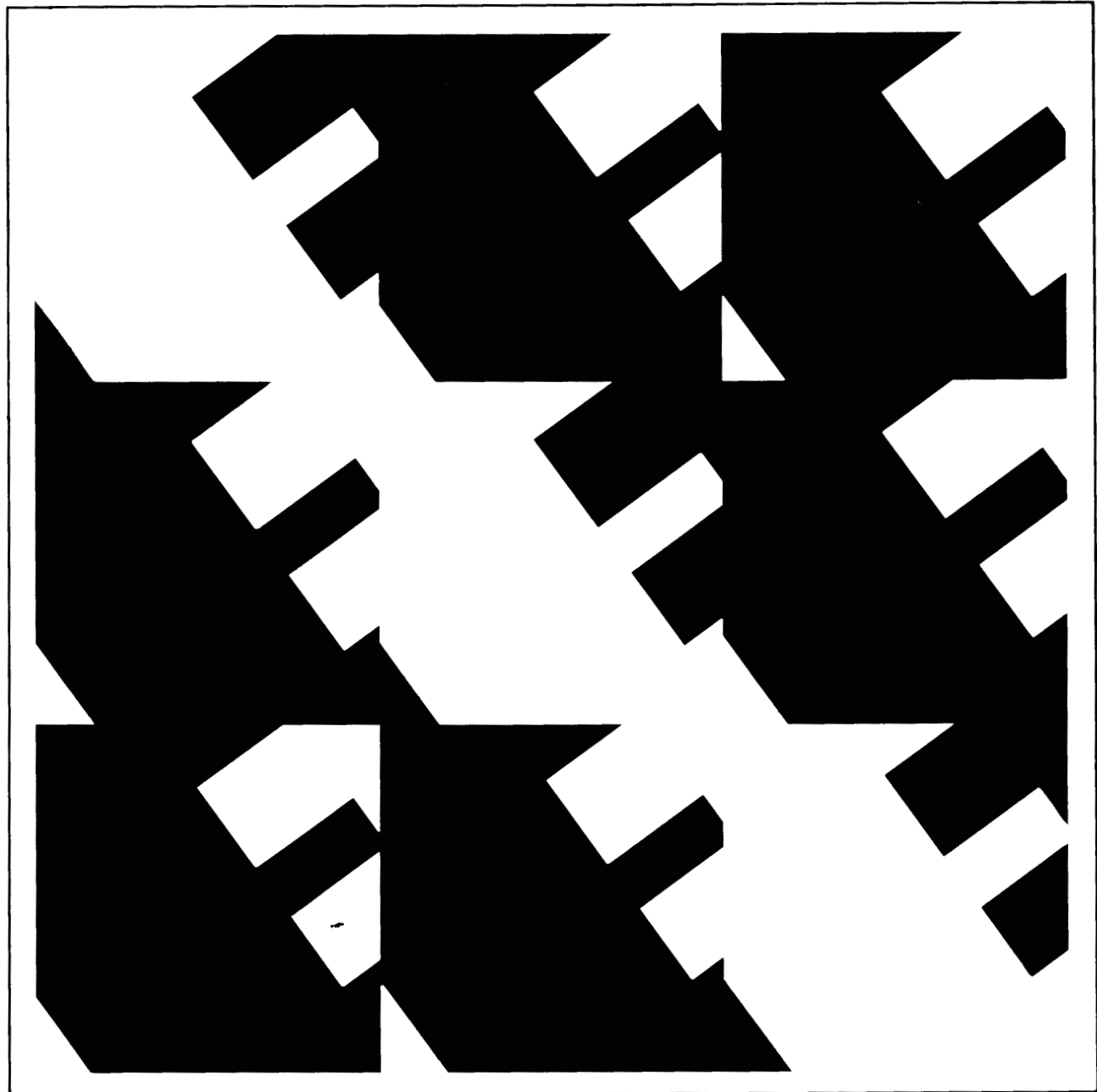


IEEE Recommended Practice for Maintenance, Testing, and Replacement of Nickel-Cadmium Storage Batteries for Generating Stations and Substations



ANSI/IEEE Std 1106-1987



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**IEEE Recommended Practice for Maintenance,
Testing, and Replacement of Nickel-Cadmium
Storage Batteries for Generating Stations and
Substations**

Sponsor
**Power Generation Committee
of the
IEEE Power Engineering Society**

Approved September 10, 1987
IEEE Standards Board

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Foreword

(This Foreword is not a part of ANSI/IEEE Std 1106-1987, IEEE Recommended Practice for Maintenance, Testing, and Replacement of Nickel-Cadmium Storage Batteries for Generating Stations and Substations.)

Stationary storage batteries play an ever-increasing role in substation and generating station control and power systems and in providing back-up energy for emergencies. This recommended practice fulfills the need within the industry to provide common or standard practices of maintenance, testing, and replacement of nickel-cadmium storage batteries. The methods described are applicable to all installations and battery sizes.

The installations considered herein are designed for continuous-float operation with a battery charger serving to maintain the battery in a charged condition and to supply the normal dc load (see Appendix A4).

The IEEE will maintain this recommended practice current with the state of technology. Comments on this recommended practice and suggestions for additional material that should be included are invited. They should be addressed as follows:

Secretary
IEEE Standards Board
The Institute of Electrical and Electronics Engineers, Inc.
345 East 47th Street
New York, NY 10017

This recommended practice was prepared by the Working Group on Batteries (Nickel-Cadmium) of the Station Design Subcommittee of the Power Generation Committee of the IEEE Power Engineering Society. At the time this recommended practice was approved the members of the Working Group were:

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