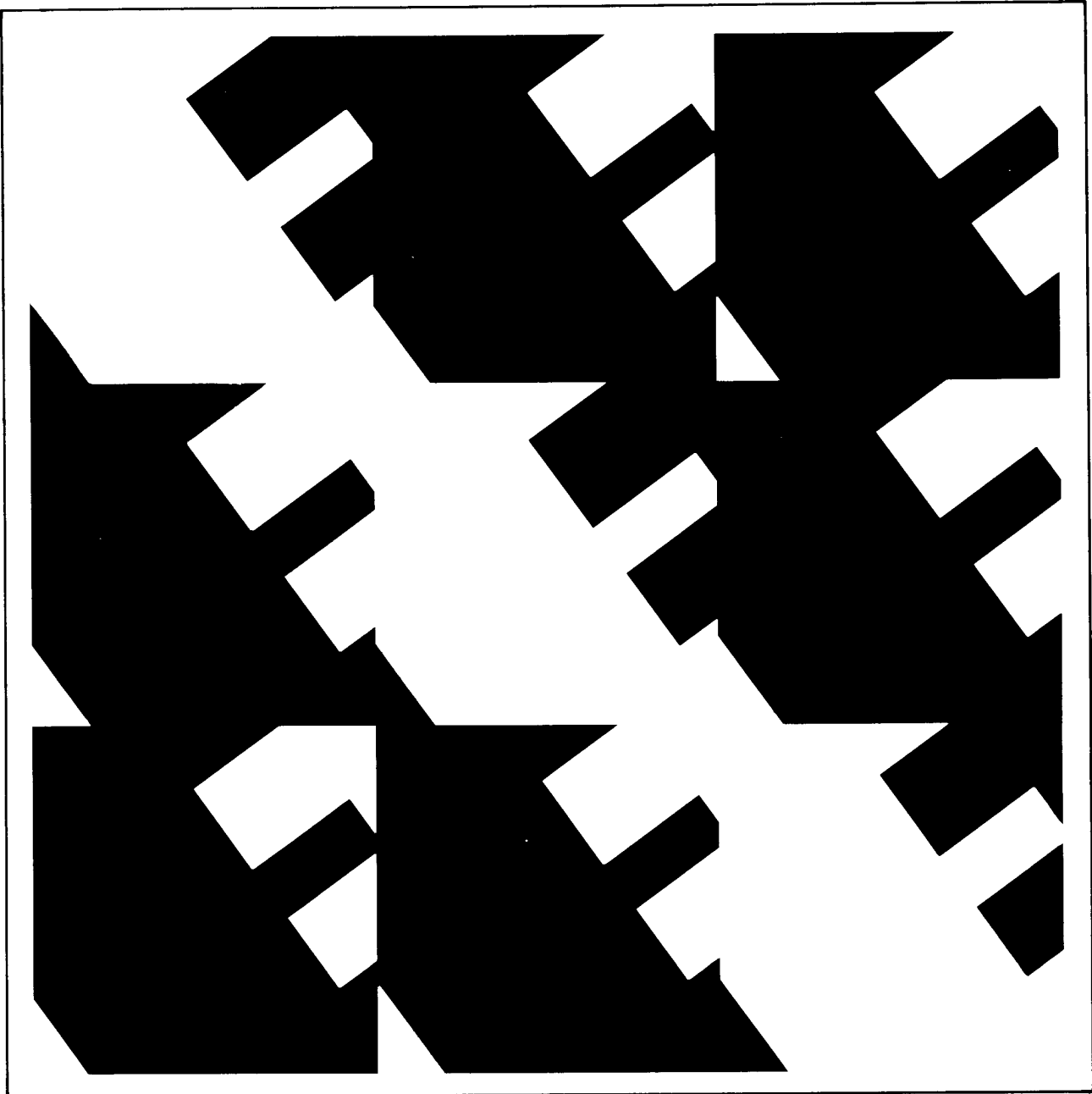


IEEE Guide for Alarm Monitoring and Reporting Systems for Fossil-Fueled Power Generating Stations

ANSI/IEEE Std 676-1986



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

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IEEE Standards Board

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Foreword

(This Foreword is not a part of ANSI/IEEE Std 676-1986, IEEE Guide for Alarm Monitoring and Reporting Systems for Fossil-Fueled Power Generating Stations.)

At the Winter General Power Meeting of IEEE in 1976, the Power Plant Control, Protection and Automation Subcommittee proposed that a working group be established to review and analyze the alarm monitoring and reporting systems that should be used in modern fossil-fueled power generating stations. It was recognized that due to the complexity of modern plants, conventional methods (that is, hardwired window annunciators) were no longer sufficient alone to convey needed information to the operator. An excessive number of window annunciators would be required to properly monitor plant conditions. The application of alarm monitoring and reporting systems necessitates early consideration of the design of the alarm and monitoring system to consider information categorization and the implementation of supplementary reporting techniques. All of these efforts are directed toward presenting information to the operator in an orderly, manageable form.

This document provides guidelines for categorizing information on plant conditions and means for presenting this information to the operator.

This guide was prepared by the Alarm Monitoring and Reporting Systems Working Group of the Power Plant Control, Protection and Automation Subcommittee, Power Generation Committee. The membership of the working group during the preparation of this guide was:

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