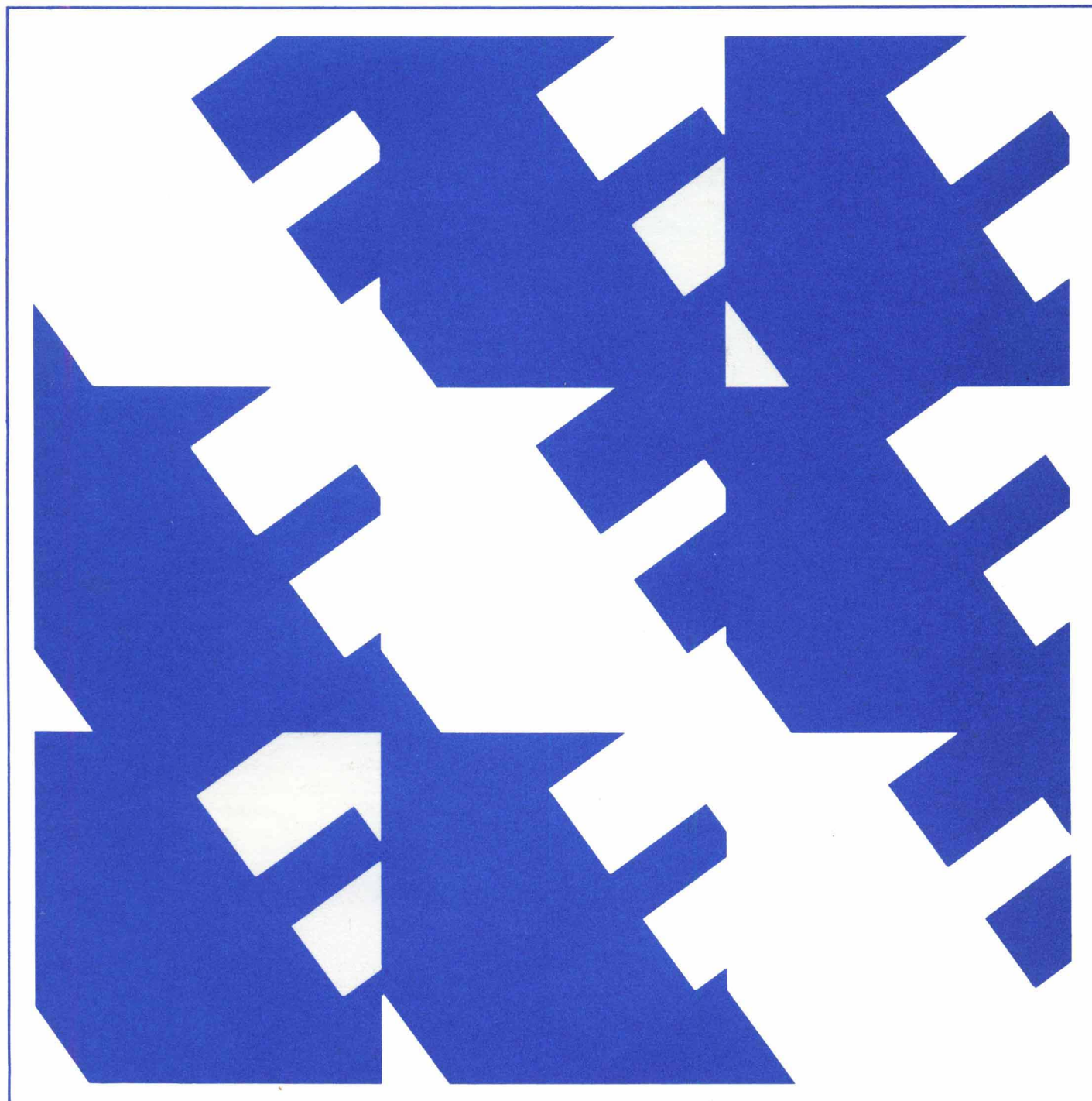


IEEE Standard Installation, Inspection, and Testing Requirements for Class 1E Instrumentation and Electric Equipment at Nuclear Power Generating Stations

ANSI/IEEE Std 336-1980



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Sponsor
Nuclear Power Engineering Committee of the
IEEE Power Engineering Society

Approved February 19, 1982
American National Standards Institute

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Foreword

(This Foreword is not a part of IEEE Std 336-1980, IEEE Standard Installation, Inspection, and Testing Requirements for Class 1E Instrumentation and Electric Equipment at Nuclear Power Generating Stations.)

This standard originally set forth the requirements for the installation, inspection and testing of important instrumentation and electric equipment in a nuclear power generating station during its construction phase. This standard was prepared by the Institute of Electrical and Electronics Engineers (IEEE) in response to a request by American National Standards Committee N45 on Reactor Plants and their Maintenance. The N45 committee was chartered to promote the development of standards for the location, design, construction and maintenance of nuclear reactors and plants embodying nuclear reactors, including the equipment, methods and components specifically for this purpose.

In May of 1969 the IEEE Joint Committee on Nuclear Power Standards (JCNPS) established an ad hoc committee on the Installation, Inspection and Testing of Electric and Instrumentation Equipment. The purpose of this committee was to prepare a standard for general industry use that would define the requirements for installation, inspection and testing of instrumentation and electric equipment that are necessary to assure attainment of a safe and reliable nuclear power generating station. The ad hoc committee was composed of representatives of key segments of the nuclear industry, including utilities, reactor suppliers, construction contractors, component manufacturers and consultants.

The initial draft of this standard was completed in July, 1970. Since then it has been revised to reflect comments received from committee members in IEEE, other work groups and ad hoc committees of N45, and selected individuals from the nuclear industry and the United States Nuclear Regulatory Commission. The standard contained herein was developed from this activity.

In 1977 the standard was revised to provide clarity and simplification. In 1979 the standard was again revised to expand the scope to include operating plant modifications that are comparable in nature and extent to those related activities occurring during the initial construction of the station. This revision was developed by Subcommittee 8 of the Nuclear Power Engineering Committee (NPEC).

Suggestions for improvement gained in the use of this standard will be welcomed. They should be addressed to:

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IEEE Standards Committee
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The working group (SC-8.1) that prepared this revision had the following membership:

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