

**IEEE Standard Installation, Inspection, and
Testing Requirements for Instrumentation and
Electric Equipment During the Construction of
Nuclear Power Generating Stations**

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IEEE Standard Installation, Inspection, and Testing Requirements for Instrumentation and Electric Equipment During the Construction of Nuclear Power Generating Stations

Sponsor

**Nuclear Power Engineering Committee of the
IEEE Power Engineering Society**

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Foreword

(This foreword is not part of IEEE Std 336-1977, Installation, Inspection, and Testing Requirements for Instrumentation and Electric Equipment During the Construction of Nuclear Power Generating Stations.)

This standard sets 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 has been chartered to promote the development of standards for the location, design, construction, and maintenance of nuclear reactors and plants embodying nuclear reactors, including 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 Atomic Energy Commission. The standard contained herein was developed from this activity.

In 1976 the standard was revised to provide clarity and simplification. 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 the Secretary of:

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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