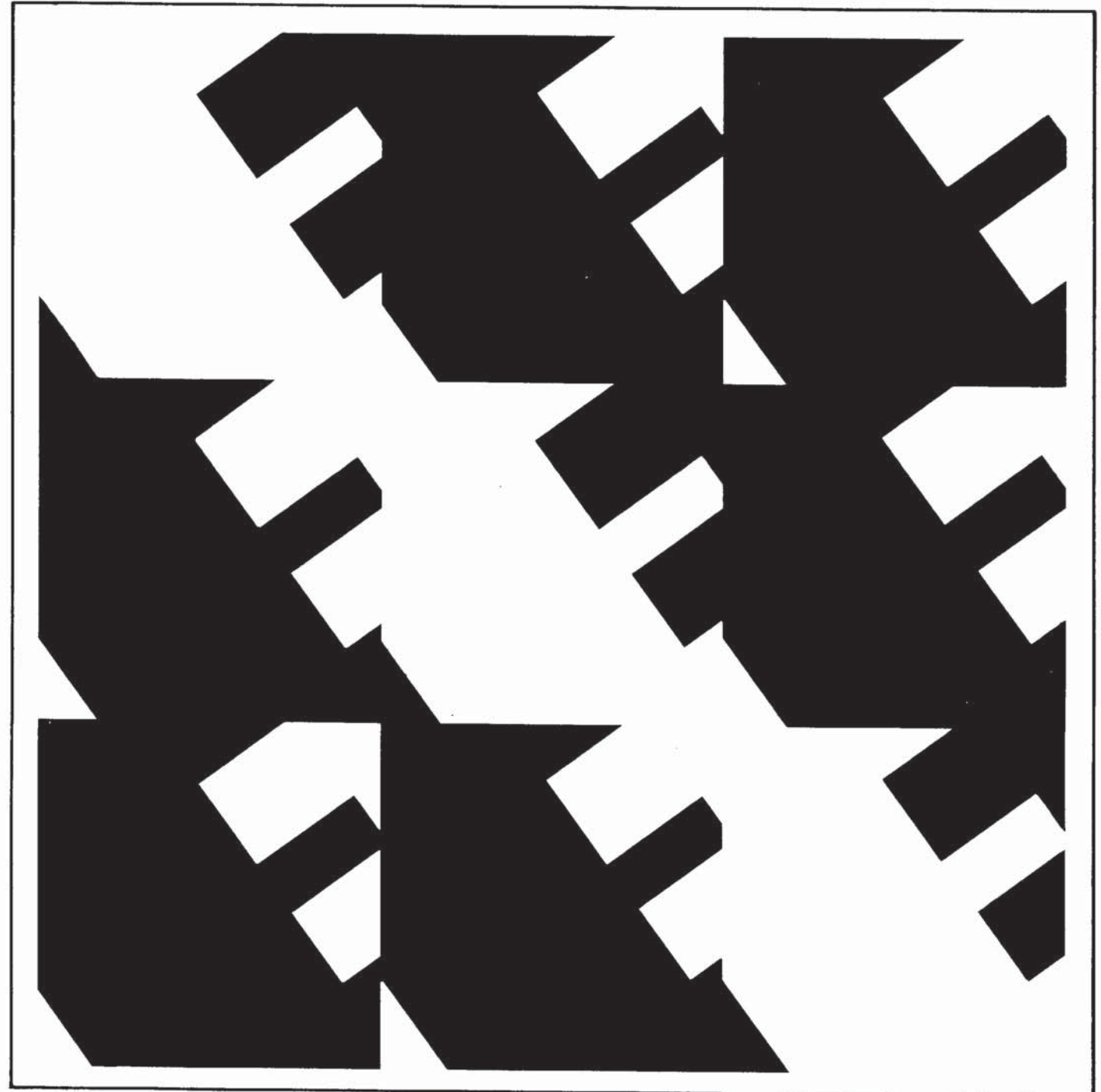


IEEE Standard Quality Assurance Program Requirements for the Design and Manufacture of Class 1E Instrumentation and Electric Equipment for Nuclear Power Generating Stations

IEEE Std 467-1980



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IEEE
Std 467-1980

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Sponsor
Nuclear Power Engineering Committee
of the
IEEE Power Engineering Society

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Foreword

(This Foreword is not a part of IEEE Std 467-1980, IEEE Standard Quality Assurance Program Requirements for the Design and Manufacture of Class 1E Instrumentation and Electric Equipment for Nuclear Power Generating Stations.)

This standard sets forth the quality assurance program requirements for the design and manufacture of Class 1E instrumentation and electric equipment in a nuclear power generating station.

In October 1972 the IEEE Joint Committee on Nuclear Power Standards (JCNPS), renamed in January 1973 as the Nuclear Power Engineering Committee (NPEC), established Subcommittee 8 (SC-8) to develop standards on quality assurance. A working group from this subcommittee (SC-8.2) was organized in October 1972 to develop a quality assurance program standard that could be implemented by instrumentation and electrical equipment manufacturers producing items for use in nuclear power plants. This standard was intended to meet the requirements of 10 CFR 50 Appendix B and to be compatible with ANSI N45.2-1972.

In 1975 draft 4, Rev 0 of this standard was submitted for ballot within IEEE. The draft standard was approved by the Nuclear Power Engineering Committee in May 1975. However, in July 1975 the Quality Assurance Committee of the American Society of Mechanical Engineers undertook a major revision to consolidate the requirements of the ANSI N45.2 series of Nuclear Quality Assurance Standards into one document. It was therefore decided, with the concurrence of the Nuclear Power Engineering Committee, to withdraw IEEE Std 467 from the ballot process until the results of the consolidation effort could be evaluated.

In January 1977 it was determined that instrumentation and electrical equipment manufacturers needed nuclear quality assurance program guidance directed specifically to their type of manufacturing operation. Therefore, the Nuclear Power Engineering Committee directed Subcommittee 8 to resume work on IEEE Std 467 and to expand the membership of the working group to include official representatives from other technical committees and interested societies. New members included representatives from the six Technical Operations Department (TOD) Committees of IEEE: Insulated Conductor Committee, Surge Protective Device Committee, Rotating Machinery Committee, Transformer Committee, Relay Committee, and Switchgear Committee.

In addition, representatives were assigned from the Instrument Society of America and the American Society for Quality Control.

The expanded working group first met in July 1977. Subsequent meetings were held in 1977, 1978 and 1979 to develop the present requirements.

It is the responsibility of the manufacturer to establish the practices and procedures required to implement the requirements of this standard applicable to his operation or product.

Comments, suggestions, and requests for interpretation should be addressed to:

Secretary

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