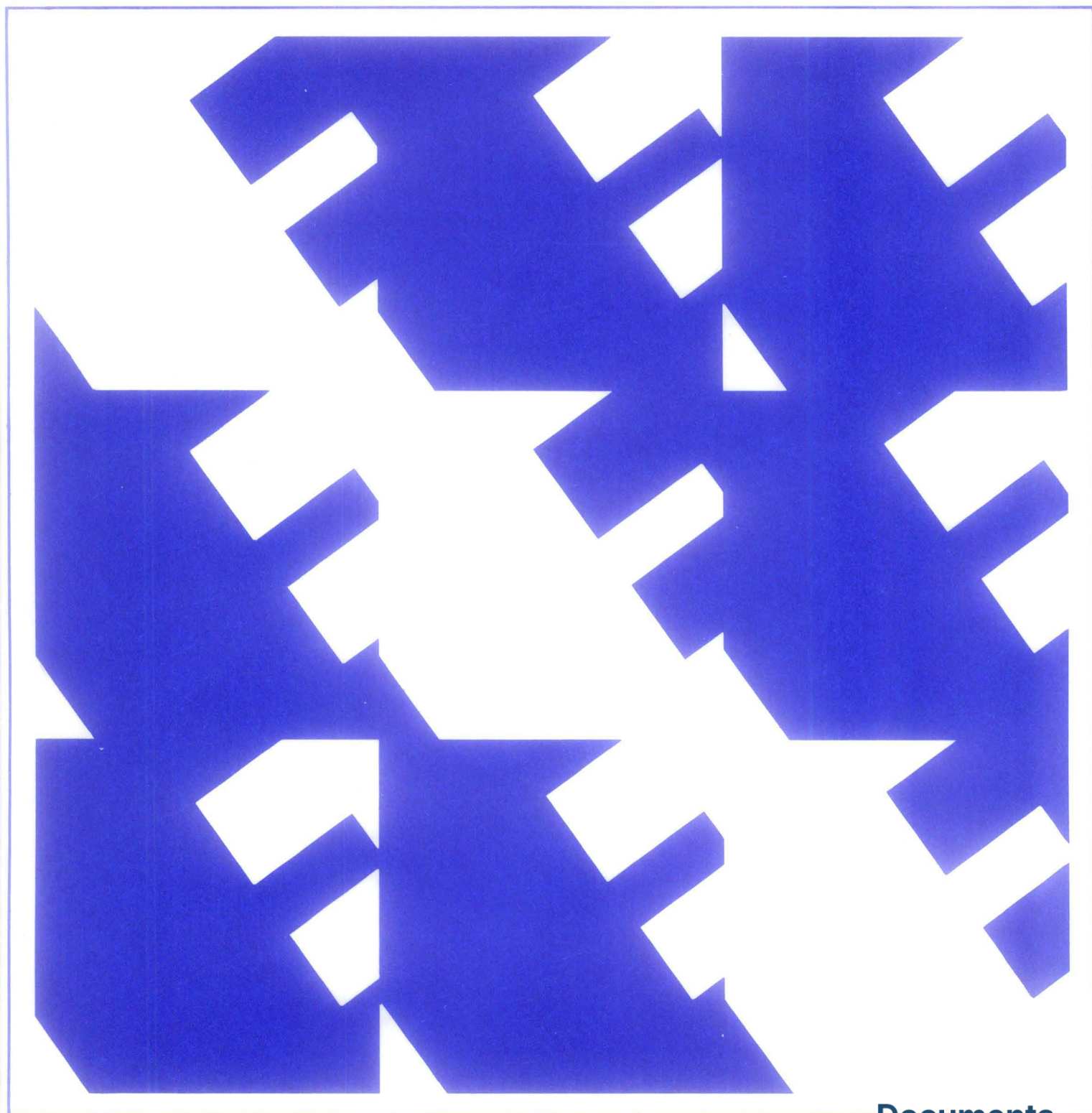


IEEE Recommended Practice for Thermal Evaluation of Insulation Systems for AC Electric Machinery Employing Form-Wound Pre-Insulated Stator Coils Machines Rated 6900 V and Below



IEEE Std 275-1981

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**IEEE Recommended Practice for
Thermal Evaluation of Insulation Systems for
AC Electric Machinery Employing Form-Wound
Pre-Insulated Stator Coils,
Machines Rated 6900 V and Below**

Sponsor
**Rotating Machinery Committee
of the
IEEE Power Engineering Society**

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Foreword

(This Foreword is not a part of IEEE Std 275-1981, IEEE Recommended Practice for Thermal Evaluation of Insulation Systems for AC Electric Machinery Employing Form-Wound Pre-Insulated Stator Coils, Machines Rated 6900 V and Below.)

This standard was issued in December 1966 for trial use. It was then a revision of AIEE Std 511-1956. It is now being revised to bring it up to date with IEEE Standards Manual and to conform to the requirements of IEEE Std 99-1980, IEEE Recommended Practice for the Preparation of Test Procedures for the Thermal Evaluation of Insulation Systems for Electrical Equipment. IEEE Std 99-1980 was revised to coordinate with international standards.

This test procedure is intended to provide an evaluation of the thermal capability of an insulation system. Other aging factors, electrical, mechanical and environmental, are also known to be important and test procedures for evaluating those factors, both individually and in combination with each other, will be pursued by other working groups.

Suggestions for improvement of this standard will be welcome. They should be sent to:

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At the time this standard was approved, the Insulation Subcommittee of the IEEE Power Engineering Society had the following membership:

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This standard was originally prepared by a Working Group of the Insulation Subcommittee of Rotating Machinery Committee of IEEE Power Engineering Society. At the time it was approved, the working group to revise IEEE Std 275 had the following membership:

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