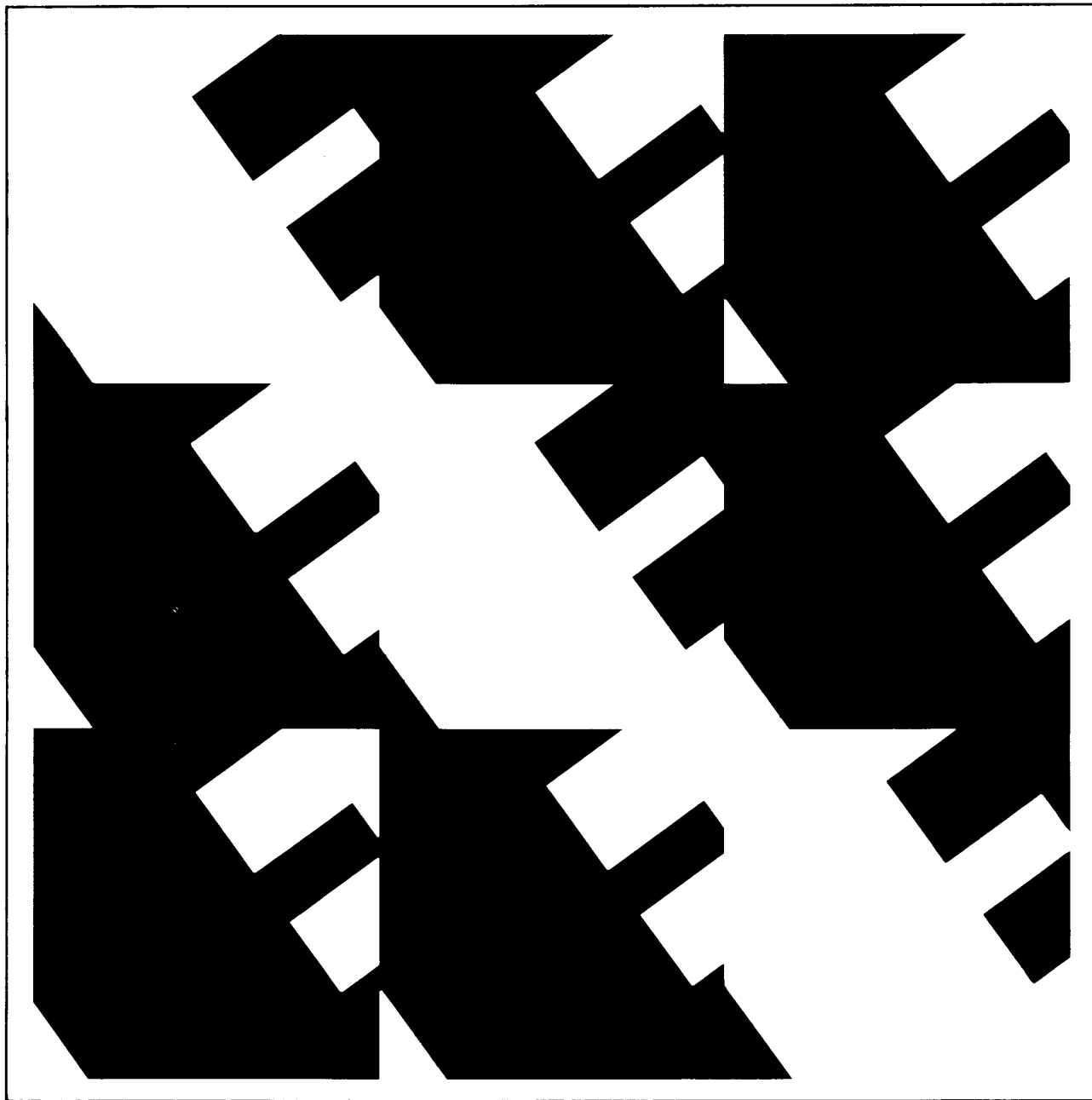


IEEE Guide for Application of Composite Insulators



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Foreword

(This Foreword is not a part of ANSI/IEEE 987-1985, IEEE Guide for Application of Composite Insulators.)

Composite insulators are being applied by utilities at an increasing rate. Numerous utilities are installing composite insulators for field evaluation, others use them for special applications, and many utilities have incorporated them into actual line designs. Their application is being made in the absence of standard specifications and, in some cases, on the basis of limited experience and data. Some insulators have failed because of misapplication or incomplete information. Because of these failures, some utilities have become very cautious in the use of composite insulators. Clearly, certain rules must be observed for the successful application of composite insulators, and some confusion exists regarding these rules. Hence, an application guide is needed.

This application guide is founded on field experiences, laboratory tests, and on manufacturers' recommendations. It was prepared by a task force of the working group on Non-Ceramic Insulators, Lightning and Insulator Subcommittee, Transmission and Distribution Committee of the IEEE Power Engineering Society.

At the time this guide was approved, G.G. Karady was the chairman of the working group. E.A. Cherney served as the chairman of the task force and was instrumental in guiding development of this guide. The task force members were:

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