

IEEE Standard for High-Potential-Test Requirements for Excitation Systems for Synchronous Machines

IEEE Std 421B-1979



Documents



Published by The Institute of Electrical and Electronics Engineers, Inc. 345 East 47th Street, New York, New York 10017

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Sponsor
Power Generation Committee
of the
IEEE Power Engineering Society

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Approved December 15, 1977

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Foreword

(This Foreword is not a part of IEEE Std 421B-1979, IEEE Standard High-Potential-Test Requirements for Excitation Systems for Synchronous Machines.)

The IEEE Working Group on High-Potential Testing of the Excitation Systems Subcommittee of the Power Generation Committee was activated in February 1969. The subcommittee recognized the need for a standard because of obsolete conflicting standards and changes in excitation-system equipment. Excitation systems no longer consist only of a rotating machine and a simple voltage regulator, but have developed into various types of systems with many regulating loops. The application of semiconductors and other new components in modern excitation systems of increased size and complexity required new guides for high-potential testing. A new standard would ensure more consistent testing of equipment.

Members of the IEEE Working Group of the Excitation Systems Subcommittee of the Power Generation Committee which prepared this standard are:

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