

IEEE Seismic Guide for Power Transformers and Reactors

Circuits and Devices

Communications Technology

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Energy and Power

Sponsored by the
West Coast Subcommittee of the
IEEE Transformers Committee of the
IEEE Power Engineering Society

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**West Coast Subcommittee
of the IEEE Transformers Committee
of the IEEE Power Engineering Society**

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Abstract: IEEE C57.114-1990, *IEEE Seismic Guide for Power Transformers and Reactors*, specifies recommendations for the design and installation of power transformers and reactors to withstand the effects of earthquakes.

Keywords: Oil-immersed power transformers and reactors, performance requirements of transformers and reactors during and following a design earthquake.

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Foreword

(This Foreword is not a part of IEEE C57.114-1990, IEEE Seismic Guide for Power Transformers and Reactors.)

This guide for the seismic design and installation of power transformers and reactors was prepared by the Seismic Guide Working Group of the West Coast Subcommittee of the Transformers Committee of the IEEE Power Engineering Society

Work on this guide began in 1973 with the purpose of developing common guidelines that could be followed by all utilities in specifying requirements for the design of power transformers and reactors to withstand the effects of earthquakes. In order to ensure that the most up-to-date summary of guidelines was presented, the IEEE Standards Board Review Committee at their March, 1986 meeting recommended a return of this guide to the subcommittee level for updating. This final result, therefore, will hopefully constitute a state-of-the-art summary of guidelines for the seismic design and installation of power transformers and reactors.

At the time this document was published, it was under consideration for approval as an American National Standard. The Accredited Standards Committee on Transformers, Regulators, and Reactors, C57, had the following members at the time this document was sent to letter ballot:

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