

**The New
IEEE Standard
Dictionary
of
Electrical
and
Electronics
Terms**

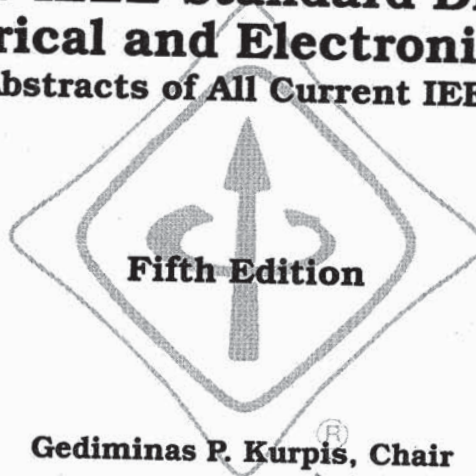
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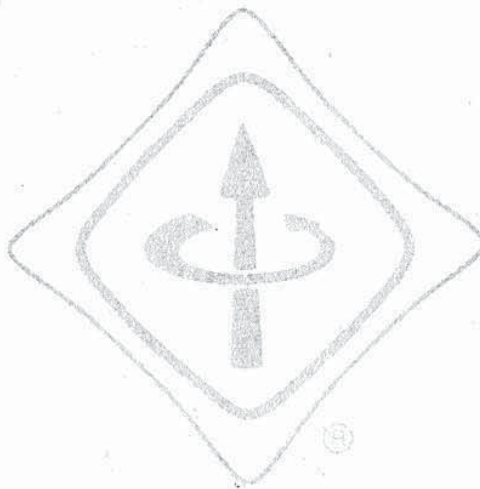
**The New IEEE Standard Dictionary
of Electrical and Electronics Terms**
[Including Abstracts of All Current IEEE Standards]



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IEEE



IEEE

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Foreword

From their earliest years, both the American Institute of Electrical Engineering (AIEE) (1884) and the Institute of Radio Engineers (IRE) (1912) published standards defining technical terms. They have maintained this practice since they were combined in 1963 to become the IEEE (Institute of Electrical and Electronics Engineers).

In 1928, the AIEE organized Sectional Committee C42 on Definitions of Electrical Terms under the procedures of the American Standards Association, now the American National Standards Institute. In 1941, AIEE published its first edition of American Standard Definitions of Electrical Terms in a single volume. However, by the time a second edition was ready, the highly accelerated development of new terms made it impracticable to publish in a single volume, and 17 separate documents, each limited to a specific field, were published from 1956 to 1959.

Over the years, IRE published a large number of standards that either included definitions or were devoted entirely to definitions. In 1961, it published all of its then-approved definitions in an alphabetically arranged single volume.

The 1972, 1977, 1984, and 1988 editions of the *IEEE Standard Dictionary of Electrical and Electronics Terms* included all terms and definitions that had been standardized previously by IEEE, as well as many from American National Standards and the International Electrotechnical Vocabulary. This edition adds definitions from IEEE standards published since the 1988 edition, up to those approved in December of 1991.

This edition of IEEE Std 100-1992, *The New IEEE Standard Dictionary of Electrical and Electronics Terms*, represents an evolution in our conception of the Dictionary and its place in our time and in relation to the directions that electro-technology is heading. This is the first edition of the dictionary to be produced using desk-top publishing technology and in-house. For the first time, this invaluable compendium is in a single electronic database, and we are planning new products that will take advantage of the possibilities that this allows. The inclusion of abstracts of all current IEEE standards enhances the usefulness of the Dictionary to the standards-writing community and to industry as a whole. We have taken the first step toward eliminating the need for the Sources section at the back of the Dictionary: only those definitions from sources other than IEEE standards are listed; the number of the originating IEEE standard is given at the end of the definition. The Acronyms and Abbreviations section is much reduced in size from that of the previous edition, and represents a rethinking of the entire section. Obsolete and irrelevant terms have been eliminated.

The sponsoring body for this document was Standards Coordinating Committee 10 on Definitions (SCC10), which consisted of the following members:

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