

IEEE Recommended Definitions of Terms for Automatic Generation Control on Electric Power Systems

Sponsor
**Power System Engineering Committee
of the
IEEE Power Engineering Society**

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Abstract: Commonly used terminology in the field of automatic generation control is defined for reference purposes. Control terms not specific to automatic generation control are not included.

Keywords: Terminology, definitions, control, electric power systems

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Foreword

(This Foreword is not part of IEEE Std 94-1991, IEEE Recommended Definitions of Terms for Automatic Generation Control on Electric Power Systems.)

The need for standard terminology in the field of automatic generation control (AGC) became apparent when it was noted that authors of technical papers covering this technology frequently used different terms to convey identical meanings. This inconsistency of terms and requests for standardization from operating organizations of interconnected power systems in both the United States and Canada led to the original development of these definitions. They were first published in 1965 after three years of work by the System Control Subcommittee of the Power System Engineering Committee of the IEEE Power Engineering Society. The first revision occurred in 1970.

This publication is the second revision of these terms. It illustrates the continuing need to standardize commonly used terminology unique to AGC. However, this publication does not include standard control terms not specific to AGC. In addition, term definitions are intended principally as references, not as tutorial substitutes for training in this control field. The definitions provide simplified, unambiguous meanings for individuals having a basic understanding of AGC technology.

Revision of this standard, as in the past, is expected to be a continuing process. As power system operations change and AGC technology improves to keep pace, new terms or the possibility of modifying existing ones remains a practical need. The System Control Subcommittee recognizes the reality of this situation and will keep its task force intact to address these needs. Suggestions for improvement to this standard by all interested parties are encouraged. These suggestions should be sent to the Secretary, IEEE Standards Board, as shown on the previous page.

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