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# **IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems**

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**Transmission and Distribution Committee  
of the  
IEEE Power Engineering Society**

and

**Static Power Converter Committee  
of the  
IEEE Industry Applications Society**

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**Abstract:** This guide applies to all types of static power converters used in industrial and commercial power systems. The problems involved in the harmonic control and reactive compensation of such converters are addressed, and an application guide is provided. Limits of disturbances to the ac power distribution system that affect other equipment and communications are recommended. This guide is not intended to cover the effect of radio frequency interference.

**Keywords:** harmonic control, harmonics, reactive power compensation

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