

# Significant Changes to the Seismic Load Provisions of ASCE 7-10: An Illustrated Guide



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S.K. Ghosh, Susan Dowty and P. Dasgupta

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# **Significant Changes to the Seismic Load Provisions of ASCE 7-10**

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# **Significant Changes to the Seismic Load Provisions of ASCE 7-10**

## ***An Illustrated Guide***

**S. K. Ghosh, Ph.D.  
Susan Dowty, S.E.  
Prabuddha Dasgupta, Ph.D., P.E.**

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# PREFACE

*Significant Changes to the Seismic Load Provisions of ASCE 7-10: An Illustrated Guide* is intended to familiarize structural engineers, architects, code officials, and others in the building construction and design industry with the changes to the seismic load requirements in the newest edition of *Minimum Design Loads for Buildings and Other Structures*, Standard ASCE/SEI 7-10. This reference book is organized into eight parts that generally follow the organization of the seismic chapters in ASCE 7-10. Each significant change is presented using the following format:

**Section(s):** *Here the sections affected by the significant change are listed.*

**Section Title or Subject:** *Here the subject of the significant change is identified.*

**Change Type:** *Here the significant change is described by one of the following or a combination thereof: modification, addition, deletion, relocation, clarification.*

**At-a-Glance:** *Here the meaning of the significant change is succinctly summarized.*

**2010 Standard:** *Here the significant change is shown in strike-out and underline format, where strike-out indicates text from ASCE 7-05 that has been deleted and underlining indicates new text added to ASCE 7-10.*

**Analysis and Commentary:** *Here the reason for the significant change is explained. Analysis, commentary, color photographs or other illustrations are used to enrich the reader's understanding.*

Although it was not possible to discuss each and every change to the seismic provisions, the ones that would be of most interest to or have significant impact on the industry are discussed in detail. This reference is intended to be a companion to ASCE 7-10; it is important to have the full set of seismic provisions in ASCE 7-10 on hand for reference when reading through this document. The commentary and opinions provided are those of the authors and do not necessarily represent the official position of ASCE.

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