



Interim Testing Protocols for Determining the Seismic Performance Characteristics of Structural and Nonstructural Components (Fema 461 June 2007)

By Federal Emergency Management Agency U.S.

Createspace. Paperback. Book Condition: New. This item is printed on demand. Paperback. 138 pages. Dimensions: 11.0in. x 8.5in. x 0.3in. One of the primary goals of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) is prevention or mitigation of this country's losses from hazards that affect the built environment. To achieve this goal, we as a nation must determine what level of performance is expected from our buildings during a severe event, such as an earthquake. To do this, several years ago FEMA contracted with the Applied Technology Council (ATC) to develop next-generation performance-based seismic design guidelines, which would allow stakeholders and their representatives to assess the probable seismic performance of new and existing buildings, and to be able to design or improve their structures to meet their performance goals. These guidelines could be voluntarily used by engineers and designers to: (1) assess and improve the performance of buildings that are currently designed to a building code life safety level, which would, in all likelihood, still suffer significant structural and nonstructural damage in a severe event; and (2) more effectively meet the performance targets of current building codes by providing verifiable alternatives to current prescriptive code requirements. This program...



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