



By Structural Integrity Associates, Inc.

Seismic Certification

TRU COMPLIANCE SEISMIC CERTIFICATION

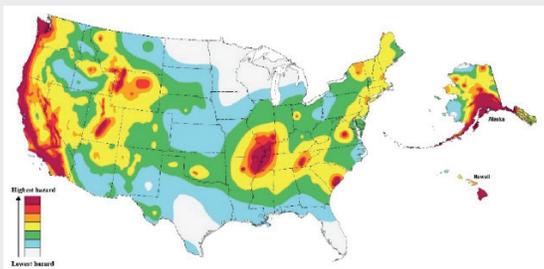
At **TRU Compliance**, we make it painless to demonstrate that your product meets the seismic certification requirements of codes and standards such as the International Building Code (IBC), ASCE Standard 7 Minimum Design Loads for Buildings and Other Structures (ASCE 7), or others. TRU Compliance is an industry leader who has helped manufacturers obtain certifications for over 25,000 components since 2008.



Seismic loading certification, also referred to as seismic compliance, is a product approval for nonstructural components (mechanical, electrical, and architectural components) or nonbuilding structures. To earn certification, components and structures are evaluated on their ability to withstand, and potentially operate after an earthquake.

The goals of seismic certification are to ensure that:

- Equipment remains in place (anchorage stays intact).
- Entire equipment or portions thereof do not detach, collapse, or fall over and pose a threat to life-safety or other equipment.
- Components that convey, support, or contain toxic or explosive substances don't pose a threat to the public.
- Equipment serving essential facilities (hospitals, police and fire stations, emergency shelters, military installations, data centers, nuclear facilities, etc.) are able to function and provide critical services following a seismic event.



Source: usgs.gov



Cooling Tower Shake Table Test

California's Department of Health Care Access and Information (HCAI) requires shake table testing of units for those to be approved for use in hospitals in the state of California. HCAI offers a voluntary preapproval program to expedite the project approval process for manufacturers via the OSHPD Special Seismic Certification Preapproval (OSP). In addition to helping manufacturers obtain OSPs, our team can also seamlessly integrate an OSP with an IBC certification or assist in satisfying other standards such as IEEE 693 for electrical substations, IEEE 344 for nuclear power plants, or GR-63-CORE for data centers. TRU Compliance tailors each certification program to cover your specific needs and provides a cost-effective turn-key solution for testing or analysis. Our standard procedures combine test planning, testing, analysis, data processing and reporting, certification documents, OSP application and comment responses into one streamlined project. This eliminates extra steps, confusion, and unnecessary waiting times for the manufacturer.

SEISMIC SERVICES

- Product Development Support
- Pretest Fitness Analysis
- Finite Element Analysis
- Code Calculations
- Seismic Testing
- Anchorage Design
- Submittal Preparation

SEISMIC CODES/STANDARDS

- International Building Code
- California Building Code
- ASCE/SEI 7
- ICC-ES AC156
- HCAI (OSHPD) OSP, OPM
- Telcordia: GR-63-CORE
- IEEE 344, 693
- ASHRAE 171
- Various Foreign Building Codes (Eurocode, Japan, Chile, Canada, New Zealand, etc.)

COMPONENT TYPES

- Electrical Equipment
- Mechanical Equipment
- Medical Equipment
- Piping & Distribution Systems
- Isolator Restraints
- Bracing

Contact us for a **FREE** quote or **an evaluation** of certification needs

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