



BC HOUSING

RAPID DAMAGE ASSESSMENT PROGRAM for Professionals

- Description:** This course teaches advanced skills to identify unsafe conditions in wood frame, masonry and concrete construction caused by floods, earthquakes or wind storms. Individuals learn to assess damage to determine whether buildings can be occupied. BC Housing's rapid inspection skills are taught using the Applied Technology Council 20 & 45 guidelines from California.
- Prerequisites:** Should have a general understanding of building construction
- Duration:** 3.5 to 4 hours
- Participants:** Building Inspectors, safety officials, ESS staff, facility/property managers
- Objectives:** Upon completion participants should be able to:
- Identify typical structural and non-structural UNSAFE conditions in wood frame, masonry and concrete structures that would prevent safe occupancy following a flood, earthquake or wind storm
 - Identify high risk areas where motion could cause structural damage to wood frame, masonry and concrete structures
 - Identify general steps that can be taken to mitigate injuries and damage in non-structural components of buildings
 - Conduct a safe post-emergency building evacuation
 - Effectively post and secure a structure deemed to be UNSAFE
 - Recognize important factors in responding to the needs of building occupants and local safety officials
- Content:** Topics include:
- Earthquake threat and potential impact
 - Review of community-based response functions
 - Personal safety principles and equipment
 - Rapid damage assessment procedures and criteria
 - Structural basics: wood frame, concrete construction, steel and masonry construction
 - Evacuating and posting structures and building components
 - Identifying and responding to non-structural hazards
 - Secondary damage assessment: detailed assessment criteria
 - Responding to building occupants
 - *Emergency Program Act* and related legislation
 - Working with local/agency officials: damage reports
- Class Size:** Minimum 10 participants, maximum 30
- Course Fee:** \$40 (plus GST) per person, field manual included

For more information contact BC Housing at (604) 439-4706, or 1-800-257-7756, extension 4706.