

RAPID DAMAGE ASSESSMENT

Description:

This 4 hour course teaches advanced skills to identify unsafe conditions in wood frame, masonry and concrete construction caused by floods, earthquakes or windstorms. 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.

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 on buildings 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:

- Personal safety principles and equipment
- Rapid damage assessment procedures and criteria
- Structural basics: wood frame, concrete construction, 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

Prerequisites:

Participants must have a general understanding of building construction, of personal emergency preparedness, and risks in BC such as earthquakes and wind storms.

Typical Participant Groups:

Building Inspectors, safety officials, School Staff, ESS staff, facility/property managers

- Class Sizes:** Lower Mainland - Minimum 10 participants, maximum 30
Outside the Lower Mainland - Minimum participant numbers increase
- Course Fee:** \$70.00 per person plus taxes, field manual included (If the Coordination of Damage Assessment course is provided on the same day as the RDA course the fee for both is \$100)

For more information contact the BC Housing Security and Emergency Services Department at ses@bchousing.org.