



# FEMA



## FEMA 154

# Rapid Visual Screening of Buildings for Potential Seismic Hazards and Rapid Observation of Vulnerability and Estimation of Risk (ROVER)

**COURSE DESCRIPTION:** FEMA 154, *Rapid Visual Screening of Buildings for Potential Seismic Hazards*, provides training on how to identify potentially hazardous buildings before earthquakes occur. The course covers methods and processes that enable personnel to rapidly identify, inventory, and rank local buildings according to their expected safety and usability during and after earthquakes. Local officials can use these data to plan and prioritize further engineering and vulnerability analysis, emergency-response needs, and mitigation projects.

*Rapid Observation of Vulnerability and Estimation of Risk (ROVER)* is software that automates the paper-based screening procedures taught in FEMA 154 and ATC-20. Building-specific data are entered into ROVER in the field via smartphones and GPS devices, and are aggregated in a PC-based data server. ROVER features include automated geolocation, integrated digital photography and sketching capabilities, and automated retrieval of site-specific soil and hazard data from USGS maps.

**TARGET AUDIENCE:** Building officials, engineers, architects, building owners, emergency managers, risk analysts, and other interested citizens and volunteers.

### GENERAL INFORMATION:

**Time:**

**Date:**

**Location:**

**Instructor:**

**Materials:** Course materials and/or CDs will be disseminated onsite.



This training is supported by NEHRP National Earthquake Technical Assistance Program (NETAP).  
For more information visit: [http://www.fema.gov/plan/prevent/earthquake/training\\_netap.shtm](http://www.fema.gov/plan/prevent/earthquake/training_netap.shtm)