




# FEMA



## ***Third Edition FEMA P-154, Rapid Visual Screening of Buildings for Potential Seismic Hazards (Pre-Disaster)***




## ***ATC-20, Postearthquake Safety Evaluation of Buildings (Post-Disaster)***




## ***Rapid Observation of Vulnerability and Estimation of Risk (ROVER)***


### **TRAINING DESCRIPTION**




Training on the third edition of FEMA P-154, *Rapid Visual Screening of Buildings for Potential Seismic Hazards*, provides instruction on how to identify potentially hazardous buildings before earthquakes occur. The training covers methods and processes that enable personnel to rapidly identify, inventory, and screen 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. This training is based on the third edition of the document published by FEMA in January 2015. Although some of the material remain unchanged from the Second Edition FEMA P-154 (published in 2002), the Third Edition provides major enhancements.



Training on the ATC-20, *Procedures for Postearthquake Safety Evaluation of Buildings*, provides instruction on rapid and detailed evaluation procedures for evaluating earthquake-damaged buildings and posting them as INSPECTED (apparently safe, green placard), LIMITED ENTRY (yellow placard), or UNSAFE (red placard). The training provides examples which allow attendees to evaluate building damage conditions, assess the overall risk from the damage, and recommend which of the three placards should be posted on the building. These evaluations and placards can be used in planning and executing evacuation, re-entry, and rebuilding strategies.



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



This training is supported by National Earthquake Hazards Reduction Program (NEHRP) National Earthquake Technical Assistance Program (NETAP). For more information visit: <http://www.fema.gov/earthquake-training/national-earthquake-technical-assistance-program>



## TARGET AUDIENCE

The target audience for these trainings includes building officials, engineers, architects, building owners, emergency managers, risk analysts, and other interested citizens and volunteers.

## GENERAL INFORMATION

**Time:** 8:00 am – 5:00 pm

**Date:** July 11-12, 2018

**Location:** University of Alaska, Statewide  
Butrovich building  
2025 Yukon Drive  
Room 109 A-B  
Fairbanks, AK 99755-6540

**Instructor:** Ed Huston, Engineer Instructor, Applied Technologies Council

**Materials:** FEMA P-154 report, *Rapid Visual Screening of Buildings for Potential Seismic Hazards, Third Edition* (hard copy);  
FEMA P-154 CD, containing a pdf of the FEMA P-154 report and of FEMA P-155, *Rapid Visual Screening of Buildings for Potential Seismic Hazards: Supporting Documentation, Third Edition*;  
FEMA P-154 ROVER CD, Version 2 containing the *Rapid Observation of Vulnerability and Estimation of Risk* software; and  
ATC-20-1 Field Manual, *Postearthquake Safety Evaluation of Buildings, Second Edition*.

## REGISTRATION

To register, please complete this form and email it to [bstiefel@fnsb.us](mailto:bstiefel@fnsb.us). For questions or additional information, please contact Baird Stiefel at (907) 459-1219.

Name:

Agency:

Address:

Telephone:

Email address:

FEMA Student ID:

**Please see <https://cdp.dhs.gov/femasid/> on how to apply for a FEMA Student ID number.**