

ROVER, End-to-End Mobile Software for Managing Seismic Risk

ROVER, Rapid Observation of Vulnerability and Estimation of Risk, is FEMA's fast, free, and mobile software for pre- and post-earthquake building safety screening. With ROVER's pre-earthquake module, field inspectors can quickly compile an electronic inventory of buildings,



record important seismic features of a building, and generate an automatic estimate of the need for detailed seismic evaluation. ROVER's post-earthquake module is used to quickly perform and manage the red,

yellow, and green safety tagging almost universally applied to buildings after earthquakes.

The recently updated ROVER Version 2.0.1 now includes these features:

- Works on any device with a web browser and data connection **New**
- Includes RedROVER, software for exporting ROVER pre-earthquake data to FEMA's HAZUS-MH 2.1 **New**
- Screen layout automatically adapts to the data-entry device: smartphone, tablet, or PC **New**
- Remotely manage screening
- One-time data entry to a built-in database
- Capture digital photos and geolocation
- Import pre-existing data
- Integrates with USGS ShakeCast (ROVER Edition) for seismic monitoring of buildings

An updated edition of *FEMA P-154 ROVER CD* will soon be available from the FEMA Publications Warehouse. The beta version of ROVER and an updated user manual are available from the user group ROVER Ready Alliance at www.roverready.org.

ROVER, which was developed for FEMA by the Applied Technology Council (ATC), SPA Risk LLC, and Instrumental Software Technologies, Inc., automates two paper-based seismic safety screening procedures: FEMA P-154, *Rapid Visual Screening (RVS) of Buildings for Potential Seismic Hazards*, and ATC-20, *Postearthquake Safety Evaluation of Buildings*. For information on these publications, visit <http://www.fema.gov/earthquake-publications>. For information on earthquake training courses and assistance, visit <http://www.fema.gov/earthquake-training>.

