

SCEC 2015 Annual Meeting

Wendy Phillips
Sr. Program Specialist
DHS/FEMA Mitigation
NEHRP



What does SCEC mean to FEMA NEHRP?

- Our role is to look at the National Earthquake Hazards Reduction Program and to help our states/territories protect life and property, this is where ShakeOut drill comes in.
- The 60 second drill brings life safety actions and develops muscle memory to more than 33 states/territories who participate each year.
- Without SCEC there would be no ShakeOut



The FEMA National Earthquake Hazards
Reduction Program

Accomplishments in Fiscal Year 2014



What does ShakeOut mean to the US?

- The ShakeOut drill helped bring an easy and fun way to introduce the scary word “earthquake” into peoples’ lives.
- SCEC and ShakeOut have helped NEHRP potentially decrease the injury and loss of lives to all who learn about this drill.



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Planning for the Drill ...



Federal Emergency Management Agency Standard Operating Procedure for ShakeOut Drills

I. Purpose of this SOP

This Standard Operating Procedure (SOP) describes the process for and Hold-On" drill as part of the annual ShakeOut earthquake awareness event. This SOP provides a roadmap to ensure that the process is standardized, to the extent possible, and clearly communicated to and carried out by Federal Emergency Management Agency (FEMA) staff.

II. Scope and Users of this SOP

This SOP describes the steps, action takers, and schedule for planning, conducting, and evaluating a ShakeOut drill. This SOP is primarily intended for internal use by FEMA Regional Earthquake Program Managers (EPMs) who implement FEMA's National Earthquake Hazards Reduction Program (NEHRP) activities. Other staff from FEMA who participate in Mitigation Administration (FIMA) who participate in ShakeOut drills.

III. Explanation of Terms

A. Drop, Cover, and Hold On – The internationally recognized "Drop, Cover, and Hold On" is the appropriate action to reduce injury and death during earthquakes: Drop to the ground (if you are standing), take cover (if you are sitting or lying down), and hold on until the shaking stops. (See www.dropcoverholdon.org).

B. NEHRP – Authorized by the Earthquake Hazards Reduction Act of 1974, the National Earthquake Hazards Reduction Program (NEHRP) seeks to mitigate earthquake losses in the United States by applying research to develop cost-effective risk reduction measures and their implementation. FEMA is one of the four NEHRP agencies. The other three are the National Institute of Standards and Technology (NIST), the lead agency; the National Science Foundation (NSF), and the U.S. Geological Survey (USGS). (See www.fema.gov).

C. ShakeOut – ShakeOut is an annual event that provides participants with the opportunity to practice how to be safe during earthquakes. The cornerstone activity is the "Drop, Cover, and Hold On" drill (see above). Other ShakeOut activities include community fairs, Town Hall meetings, and posters and videos, help to raise awareness of the earthquake risk. (See www.shakeout.org).

IV. Background

A. ShakeOut
The first ShakeOut was held in November 2008 as the Great Southeastern effort by scientists and emergency managers to inform the public about

FIMA ShakeOut Drill Plan Draft

October 9, 2014

Great Southeastern Shakeout Participation/FIMA Earthquake Drill
October 16, 2014
10:16 AM EDT

FIMA ShakeOut Drill Team

Wendy Phillips, FEMA RRD, Building Science Branch
Elan Darlington, FEMA Realty Specialist
Joel Pirrone, FEMA DAD, Program Mgmt Branch
Roosevelt Grant, FEMA IM
Jenai Jordan, FEMA IM, DM
Alesia Za Gara, Outreach Process Partners

1. Background.

In February 2011, FIMA conducted a "Drop, Cover, and Hold-on" drill, as a part of the Nation-wide "ShakeOut" earthquake awareness event. This was done during a Mitigation Division Director's meeting in the FEMA offices at 1800 South Bell, Crystal City, VA. The exercise lasted a total of 20 minutes. It included an event introduction, a participatory drill (staff took cover under conference room tables and waited for the shaking to stop), and a Q&A session following the event.

Six months after the drill was conducted, the Mineral, VA earthquake occurred. This earthquake caused considerable shaking of the FEMA offices in Crystal City and revealed a need to better plan for and communicate earthquake response information to our employees.

On October 16, 2014 at 10:16 a.m. FIMA will conduct our fourth Drop, Cover and Hold-on drill. This event will again include all members of FIMA.

2. Drill Objectives

- Continue to train FIMA staff on what to do during an earthquake while at work.
- Train FIMA staff on how, when, and where to evacuate the FIMA building after an earthquake.
- Generate discussions that will result in Lessons Learned which will inform future Occupant Emergency Program guidance.

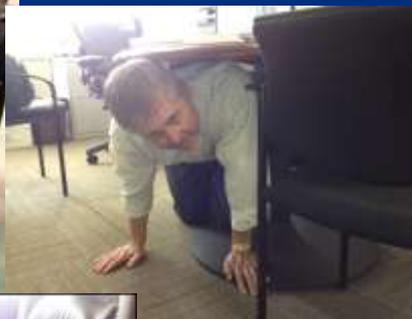
3. Pre-Drill Actions.

- Email Message #1 – All Hands from the Associate Administrator:** A Building Science Branch designee will draft an "All Hands message" for the Associate Administrator to send out summarizing the October 16, 2014 FIMA Great U.S. Shakeout event that includes links to additional information and the FIMA Fact Sheet, "What to do Before, During, and After an Earthquake". The Building Science Branch designee will review and forward for distribution.



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ShakeOut at FEMA Mitigation HQ FY 2012-2015



ShakeOut. Don't FreakOut.

October 16, 2014 Register Now at www.ShakeOut.org/southeast



Grow the knowledge of Drill and then some ...

- The drill is the first step - goal is to grow it to include different ways of educating all people, in all walks of life – schools, businesses, Academics, First responders, governments, etc.
- Understand the various and serious needs of earthquake risk reduction in their lives.
- Do the drill, and one more thing (evacuation, strap bookcases, learn about retrofitting a structure, & fire after EQ, or update Mitigation Plan).



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- Thanks to each of you for your work with SCEC, as what you do makes a difference in saving lives. Without yours and other academics' research and input, the rest of us could only want to do something for risk reduction.
- You give us the hard truth of science in how and what we need to do, to bring about risk reduction in our nation.



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