



**Butler County Emergency Management  
Shaken Horizons 2011  
Quake 57  
Earthquake Exercise  
May 16 – 19, 2011**

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4. For information on this exercise, please contact the following points of contact (POCs):

- a. The Butler County local Exercise Director and POC:  
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Butler County Emergency Management Agency  
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The Earthquake 57 Exercise Planning Team discussed the overall expectations of the Earthquake 57 exercise, which included improved communications between multi-county fire and law enforcement agencies, validation of the coordination at the county Emergency Operation Centers (EOCs), and coordination of the emergency medical response in tandem with local hospitals. The exercise objectives were established to bring together agency representatives to discuss, agree or disagree, and if possible, resolve operational issues related to a terrorism incident.

The purpose of this report is to analyze exercise results, identify strengths to be maintained and built upon, identify potential areas for further improvement, and support development of corrective actions.

## Executive Summary

The exercise was developed to validate the Butler County Emergency Operations Plan (EOPs) and to provide participants with an opportunity to evaluate current response concepts, plans, and capabilities for a response to a terrorist incident. The exercise was developed and evaluated using objectives that were identified by the Earthquake 57 Exercise Planning Team. The State of Ohio Terrorism EEM has been cross-walked to the exercise evaluation methodology required by the U.S. Department of Homeland Security (US DHS) for exercises conducted under the Homeland Security Exercise and Evaluation Program (HSEEP). The objectives for this exercise were:

- **Objective: Communications**
- **Objective: Critical Resource Logistics and Distribution**
- **Objective: Emergency Operations Center Management**
- **Objective: Emergency Public Information and Warning**
- **Objective: Mass Care and Sheltering**

# Overview

## ***Exercise Details***

### **Exercise Name**

Butler County, Ohio (State of Ohio – Shaken Horizons 2011) and (Earthquake 57 exercise)

### **Type of Exercise**

5.7 earthquake in Colerain Township

### **Exercise Start Date**

May 16, 2011 @ 10:00 a.m.

### **Exercise End Date**

May 19, 2011 @ 15:00 p.m.

### **Duration**

54 Hours

### **Location**

Butler County, Ohio

### **Sponsors**

Butler County Emergency Management

Ohio Emergency Management Agency

Hamilton County Emergency Management

### **Number of Participants**

- Players 102
- Observers 28
- Facilitators 2
- Evaluators 6
- Victim/Actors 0

# Conclusion

The Quake 57 earthquake exercise was developed to validate functionality of Emergency Operation Plans (EOPs) and protocols for responding to an incident in Butler County, Ohio. The exercise was developed and evaluated using objectives that were identified by the Butler County Exercise Planning Team. The objectives for the exercise were:

- **Objective: Communications**
- **Objective: Critical Resource Logistics and Distribution**
- **Objective: Emergency Operations Center Management**
- **Objective: Emergency Public Information and Warning**
- **Objective: Mass Care and Sheltering**

The Quake 57 exercise team met all the evaluated objectives, and provided an opportunity for Butler County to demonstrate the effectiveness of EOPs, Standard Operating Guidelines (SOGs), and Standard Operating Procedures (SOPs). These systems performed extremely well and provide the foundation for a rapid, controlled response to an emergency situation or disaster.

The major strengths identified during this exercise are as follows:

## **Major Strengths:**

- 1. Effective communications within the EOC**
- 2. Documentation in writing of requests for information and needs**
- 3. Requesting of resources from the State of Ohio SEOC**
- 4. Public information using Counties Communicator system**
- 5. Resource management within Butler County**
- 6. Mass Sheltering by ESF #6 / Red Cross**
- 7. Mapping for all ESF desks by GIS & IT department**
- 8. Strong EOC Managers direction and communication**
- 9. Good use of WebEOC during a large major exercise**
- 10. Well trained personnel an organization at all ESF desks**
- 11. Good use of WebEOC during a major natural disaster**

As a result of the exercise, opportunities for improvement were identified. The primary areas for improvement, including recommendations, are as follows:

**Areas for Improvement:**

- 1. Better inventory management of all County and Regional resources**
- 2. Better transfer of information between shifts / personnel at ESF desks**
- 3. Fax Machine**
- 4. Documentation unit within the EOC or ESF #5**
- 5. Better rehabbing of night operational shift**

A full copy of all evaluator sheets is available for review at the BCEMA offices.

Planners should use the results of this exercise to review and update their respective agency's EOPs, SOGs, and SOPs, as well as to explore methods to increase communications interoperability.

Please contact the exercise coordinator with any further questions regarding the earthquake exercise.

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Butler County Emergency Management Agency  
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