

# City of Cupertino Emergency Operations Center

## Operation: Earthquake 2000

### November 9, 2000



## Exercise Plan

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# City of Cupertino Earthquake Exercise

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## **1.0 BACKGROUND/GOAL**

### **1.1 Background**

In Santa Clara County, the possibilities of earthquakes, hazardous materials incidents, power, gas and phone failures are very real threats. Participating in exercises such as this helps our community be better prepared to respond to an actual disaster.

On November 9, 2000, many hospital and ambulance providers in Santa Clara County and across the State of California, will voluntarily participate in this second annual statewide medical and health disaster exercise. Last year over 500 healthcare facilities, over 100 ambulance providers and nearly every county participated in the exercise. This year, local, regional and state government agencies, volunteer organizations and public and private healthcare providers will be activating their disaster plans and communications systems to coordinate their community response to the disaster exercise.

Disaster exercises assess the effectiveness and evaluate the readiness of our community emergency preparedness programs and communication links. Many agencies work cooperatively to respond to any disaster. Implementing and practicing the procedures and community response is vital to maintaining readiness.

### **1.2 Goals**

- Exercise the ability of the cities and special districts within the Operational Area to report their Initial Damage Estimates.
- Understand the reporting and request processes.
- Evaluate connectivity of County RIMS to the Op/Area with multiple city users.
- Exercise the ARES/RACES Communication function by transmitting reports to the Op/Area.
- Meet 2000/2001 FY EMA Functional Exercise Requirements for all Op/Area Jurisdictions

## **2.0 CONCEPT/PURPOSE/OBJECTIVES**

### **2.1 Concept**

This will be a real-time table top/functional exercise. The City of Cupertino EOC will be activated for this exercise. The EOC staff will utilize the Emergency Operations Plan to mitigate and minimize the effects of a major earthquake on the city.

### **2.2 Purpose**

To exercise the City of Cupertino Emergency Operations Plans, procedures, facilities, and provide training for personnel

### **2.3 Objectives**

- Management creates an action plan
- Operations acts upon the action plan
- Planning/Intelligence creates the Incident reports, Situation Reports, Resource Requests, and Initial damage Estimate and transmits these reports on RIMS to the Op/Area.

### **2.4 Exercise Schedule**

Thursday, November 9, 2000

8:00 AM EOC Staff briefing begins.

8:15 AM Begin exercise

10:00 AM Exercise ends

10:10 AM Exercise Debrief/Critique

## **3.0 ARTIFICIALITIES AND ASSUMPTIONS**

### **3.1 Artificialities**

- The EOC has been set up prior to the incident.
- The RIMS PC workstation should be operational.
- Situational matters are as stated in the narrative.

### **3.2 Assumptions**

- Assumed weather conditions during the exercise will reflect the actual weather conditions existing during the exercise period.
- Exercise time is real.
- Staffing at the time of the event is normal for that time of day.
- All established communication facilities are operating normally at this time.
- Stevens Creek Reservoir is at 26% capacity.

## **4.0 REFERENCES**

City of Cupertino Emergency Operations Plan

RIMS Procedure Manual

## **5.0 EXERCISE CONTROL**

This exercise will be controlled by the input of information from the Exercise Controller.

## **6.0 EVALUATION**

An Exercise Debrief/Critique will occur at the conclusion of the exercise. An after action report will be prepared by the Exercise Controller after the conclusion of the exercise.

## **9.0 COMMUNICATIONS**

Communications between the city and the Op/Area will normally occur via RIMS and ARES radios. EOC telephone, radios, fax machines, and courier may be utilized.

## **9.0 REPORTS**

All Situation, Initial Damage Estimate (IDE), and After Action Reports will be completed on County RIMS when ever possible.

## **9.0 INSTRUCTIONS TO PARTICIPANATS**

This is a training exercise and is not a test of personnel.

Actions and decisions should be consistent with the City of Cupertino Emergency Operations Plan.

# SCENARIO

## *News Bulletin*

At 7:30 AM today, a major earthquake rocked the Santa Clara Valley. The Berkeley Seismological Lab estimates the magnitude of this earthquake at 6.7 and is initially reporting the epicenter to be on the Calaveras Fault. It was a rolling sensation, which swayed buildings, broke windows, and knocked office equipment and other items off shelves. Shaking was felt throughout the Greater San Francisco Bay Area. Shaking lasted for about 20-30 seconds.

Damage is widespread including damage to some highways and buildings. Rush hour traffic is severely affected with fender benders and slow traffic due to traffic signal failures. Damage is also apparent in underground infrastructure including water, sewage, natural gas and power. Some local hospitals and medical facilities have been damaged.

Local 911 Centers are overwhelmed by calls reporting injuries, building collapses, fires, and traffic accidents.

# COSIN (Control Staff Instructions)



## MAJOR EVENTS AFFECTING CUPERTINO

### 1. Power/Communication Outages

1. Damage to PG&E substation. Most power out in the City.
2. Cell sites damaged, cell and land line phones inoperable.

### 2. Hazardous Material Incident

1. *(The County Emergency Medical Services Agency suggested using glutaraldehyde in the HazMat scenario. See the Appendix for information on this chemical.)* Dentist office on Town Center Lane has 10 patients suffering from various symptoms including headache, difficulty breathing, coughing, dizziness, drowsiness and nausea.

### 3. State Highway Damage

1. Highway 85 closed at DeAnza Blvd, cracks observed on overpass. Unknown if safe.
- 2.

### 4. Large Fire

1. Gas station fire
2. Explosion and apartment fire at the corner of Rodrigues and Blaney.

### 5. School Related Incident

1. Monta Vista High School Generator is out



2. Regnart Elementary has 150 neighborhood residents converging on the school looking for water and food.

### **3. Red Cross**

- 1.
- 2.

### **4. Transportation**

- 1.
- 2.

### **5. Structure Collapse**

1. Parking Structure on DeAnza college campus collapsed.
- 2.

### **6. News Media**

1. Covering angry mob at Regnart Elementary who don't understand why they aren't allowed in.
- 2.

### **7. Utilities**

- 1.
- 2.

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## **APPENDIX**

Hazardous material releases occur in earthquakes. As our metropolitan areas grow, more people live and work near industrial and commercial facilities with hazardous materials. At the same time, both the San Francisco Bay Area and the Los Angeles basin will continue to experience frequent moderate, and, occasionally, major, earthquakes.

Hazardous materials problems can occur with smaller earthquakes of magnitude 5 to 6. However, the number of these problems, and the size of the area affected, increases dramatically for larger earthquakes and for earthquakes in urban areas. The recent Loma Prieta earthquake caused spills from southern Monterey to Napa counties.

### **Glutaraldehyde**

Glutaraldehyde-based disinfectants are used throughout the healthcare industry for cleaning and sterilizing. Many surfaces found in the medical, surgical and dental environments are cleaned by dipping, wiping or rinsing with glutaraldehyde solutions.

Glutaraldehyde is used as a leather tanning agent, tissue fixative, embalming fluid, resin or dye intermediate, and cross-linking agent. It is also used in X-ray film processing, in the preparation of dental materials, surgical grafts, and bioprostheses, and as a fixative for electron microscopy. Glutaraldehyde-based disinfectants are also used to clean dialysis machines and reusable dialyzers.

#### **Health Effects**

Glutaraldehyde is an irritant that can affect the eyes, skin, respiratory system and gastrointestinal system. High concentrations can affect the central nervous system. Overexposure can cause a range of symptoms, including headache, difficulty breathing, coughing, dizziness, drowsiness and nausea. Severe overexposure can cause unconsciousness. Prolonged contact with the skin produces eczema.