

# 2018 Earthquake! Exercise Review

February 7, 2019  
Jim Oberhofer KN6PE

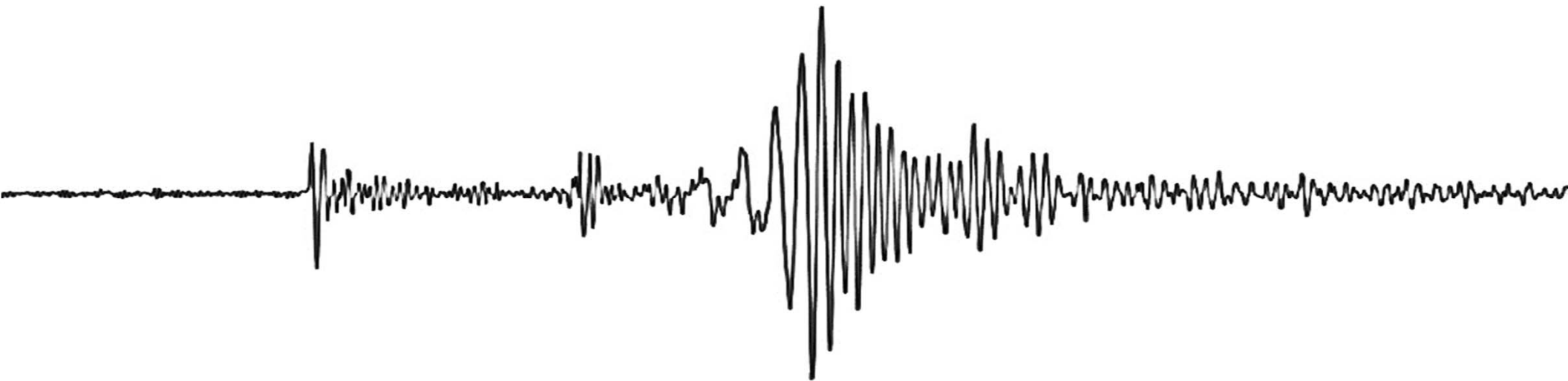


# 2018 Earthquake!

---

**\*\*\* THIS IS DRILL TRAFFIC \*\*\***

**The Bay Area was rocked by a 7.9 earthquake on the San Andreas Fault. Wide-spread damage is reported. Power and communications are out throughout the area.**



Cupertino ARES/RACES



# 2018 Earthquake Exercise

December 15, 2018

---

## Objectives

1. Exercise radio operations on all designated nets.
2. Exercise the ARK activation process to Activation Level 2.
3. Exercise CCC (CARES and CERT) ISA team deployment.
4. Test the End to End Alt911 communications process.
5. Exercise an activation of the Cupertino Alternate EOC.
6. Test resource management over two operational periods.
7. Test initial Demob plan with a focus on forms completeness.

# Quick Look... by the numbers

---

- 164 Volunteer hours
- 108 Packet messages passed
  - 79 Alt911 Packet messages passed
  - 37 Voice messages passed
- 29 ICS-214 Unit Logs submitted
- 25 CARES Members participated
- 22 ISA assets reviewed, 1<sup>st</sup> shift
- 18 Demob sign-offs
- 15 ICS 309 Comm Logs submitted
- 14 CERT members participated
- 14 Evaluations turned in
- 12 Field Teams deployed over 2 shifts
  - 5 ARKs activated
  - 5 ISA joint CARES/CERT teams deployed over 2 shifts
- 2 Shifts



# Your feedback (in no special order)

---

## What worked

1. Having 2 nets operating at once.
2. ISA maps, locations, and directions.
3. Good teamwork bet. CARES & CERT
4. ARK setup: easy & straight forward.
5. CERT and new CARES members had the a chance to send packet messages.
6. Packet worked well from the 5 opened ARKS
7. Message passing.
8. Assignment and deployment process.
9. Good radio reception from ARKs to Comm 469 at the Alternate EOC.
10. PSA Recorder process.
11. T-Cards 2nd shift made assignments and tracking much easier.

## Didn't work/needs improvement

1. Not everyone had PL tone set.
2. Shift change and resource check-ins; Not closing down before 2<sup>nd</sup> shift arrives.
3. ARK Generator failed after 2 hours; could not start the other 4.
4. Need more clarification on the role of CERT at the ARK for Activation Level 2.
5. Alt911cts did not work on one system.
6. Alt911 msgs not always addressed right.
7. Not able to reach the EOC from some ISA locations.
8. GGA ARK door was difficult to open; no local restroom.
9. Paperwork flow of packet messages to Shift Supervisor.
10. Delay in making resource assignments.

# Obj #1: Exercise Radio Operations on all nets

---

1. Collect *Modified Mercalli Intensity Scale* (Mike-Mike) Reports
  - **RESULTS:** worked well (first time)
  - **PLAN:** Look at incorporating Mike-Mike Reports into the initial check-in to generate an even more immediate impact assessment
2. Test the PSA Data Recorder Process
  - **RESULTS:** worked well
  - **PLAN:** Need to develop this as a fundamental packet capability across all CARES packet ops
3. Operate Message NCS from Comm 469 using an ARP Kit
  - **RESULTS:** worked well
  - **PLAN:** Look at power mgmt; On-going message passing practice



# Obj #2: Exercise the ARK Activation Process to Level 2

---

## 1. ARK activation Process to Level 2

- **RESULTS:** worked well
- **PLAN:** ensure all CCC members have a copy of the ARK Activation Handbook



# Obj #3: Exercise CCC ISA team deployment

---

1. Deploy joint CARES/CERT members on ISA teams
  - **RESULTS:** worked well; feedback was very positive
  - **PLAN:** reinforce go-kit contents availability
2. Comm 469 Packet Procedure for Passing ISA Traffic
  - **RESULTS:** worked OK; multiple messages sent to SJWC
  - **PLAN:** Need process reviews, improvements, practice
3. Deploy CERT members with Trunk Radio to CuSD
  - **RESULTS:** Not Tested; but gave to CERT Field Supervisor
  - **PLAN:** Test deploy of CERT to CuSD office to receive ISA report





# Obj #4: Test the E2E Alt911 call taking system

---

## 1. Pass ALT911 messages from field

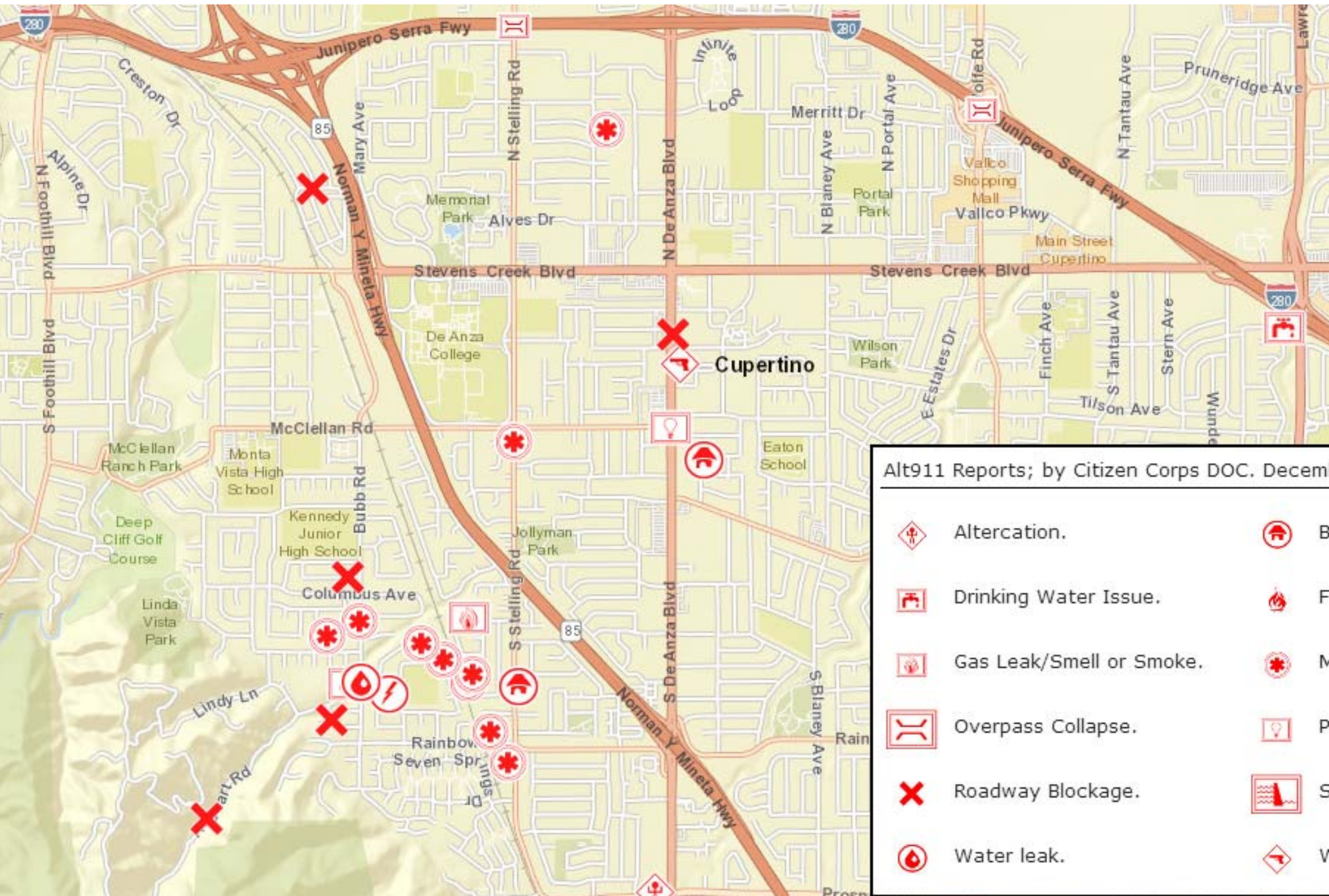
- **RESULTS:** worked well; feedback was very positive
- **PLAN:** compile, implement enhancement list from the responders

## 2. Staff County Comm

- **RESULTS:** Not Tested; equipment, access issue resolution pending
- **PLAN:** Work with County RACES and County Comm to resolve



# Obj #4: Test the E2E Alt911 call taking system



# Obj #5: Exercise from the Alternate EOC

---

## 1. Operate from Alternate EOC

- **RESULTS:** For CARES, Worked well.  
For the City, Needs Work; EOC infrastructure is not in place
- **PLAN:** City OES and Staff to outfit the Alternate EOC as an operational location



# Obj #6: Test Resource Mgmt over 2 Op Periods

---

## 1. Resource Assignments

- **RESULTS:** Needs Work
- **PLAN:** Review process (Resource Readiness List), tools (T-Cards); need broader discussion on CCC resource planning and tracking (track CERT?)

## 2. Field Shift Change

- **RESULTS:** Needs Work; missing info on shift resource plans
- **PLAN:** Field Communications Handbook update; tighten up checklist





# Obj #7: Test Initial Demob Plan

---

1. Test initial Demob plan with a focus on forms completeness
  - **RESULTS:** For the first time, worked OK.
  - **PLAN:** (i) continue to emphasize the importance, completeness, and legibility of the event documentation,  
(ii) determine the type and degree of documentation required



# After Action Report, other event docs

[www.cupertinoares.org](http://www.cupertinoares.org) > Exercises & Events

## Cupertino ARES/RACES

*Providing emergency and public service communications for the City of Cupertino, California*

**Welcome!**

- Home
- About us
- Operations
- Training
- Exercises & Events**
- Docs & References
- Resources
- Projects
- Cupertino Citizen

### Exercises

[Introduction](#) | [Activations](#) | [Exercises](#) | [Public Service Events](#) | [All Events](#)

---

**CUP-18-34T, 2018 Earthquake Comm Exercise**  
15 Dec 2018. Citizen Corps Exercise: open ARKS to Activation Level 2; staff 2 Op Periods, Alt911 Message passing to County Comm.  
[Forms Overview](#) | [ARK Overview](#) | [Intro to Alt911](#) | [911 Message Form](#) | [Drill Prep](#) | [Exercise Plan](#) | [Incident Action Plan](#) | [After Action Report](#) |

**CUP-18-27T, 4th of July Event Support**  
4 Jul 2018. CARES provides volunteer coordination and communications during the event with the 4th of July fireworks event.

Up

7 P  
This  
on  
Ear  
Qu  
9:0

9 P  
Em  
Sat  
12:  
Cup  
De



# What's next?

---



# Thank you

*Any Questions?*

---

