#### 2018 Earthquake!

Exercise Review for the Cupertino Disaster Council

> February 21, 2019 Jim Oberhofer



02/21/2019

#### \*\*\* 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.

Courtesy of the U.S. Geological Survey (USGS), 2018 Haywired Scenario



2018 Earthquake: Exercise Review for CDC

#### 2018 Earthquake Exercise December 15, 2018

#### **Objectives**

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- 1. Exercise radio operations on all designated nets.
- 2. Exercise the ARK activation process to Activation Level 2.
- 3. Exercise joint CARES and CERT team deployments.
- 4. Test the End to End Alternate 911 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 Alternate 911 digital (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 Joint CARES/CERT teams deployed for Infrastructure Assessments
  - 2 Shifts

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# **Summary of findings**

#### After Action Report Earthquake 2018

#### What worked

- Good teamwork: CARES & CERT
- 2. Activated 5 of 6 ARK
- 3. Digital messaging
- 4. City-wide radio coverage from the Alternate EOC

#### **Needs improvement**

- 1. Resource management
- 2. Alternate EOC infrastructure



#### 1. Overview

Description:	Infrastructure Safety Assessment Drill
Event Date:	15-Dec-2018
Report Date:	15-Jan-2019
CARES Event:	CUP-18-34T
RACES Event:	CUP-18-34T
Control:	Cupertino ARES/RACES
Report Revision:	1.2, FINAL
Submitted by:	Jim Oberhofer KN6PE

#### Requirements for Reporting<sup>1</sup>

Completing an After-Action Report is part of the required SEMS reporting process. The Emergency Services Act, Section 8607 (f) mandates that the Office of Emergency Services (OES) in cooperation with involved state and local agencies complete an After-Action Report within 120 days after each declared disaster. Section 2450 (a) of the SEMS Regulations states that, "Any city, city and county, or county declaring a local emergency for which the governor proclaims a state of emergency, and any state agency responding to that emergency shall complete and transmit an after-action report to OES within ninety (90) days of the close of the incident period as specified in the California Code of Regulations, Title 19, s2900(q)."

CARES will follow this requirement for reporting the results and recommendations for this Training Event.

i. Introduction and Background

Terms

- AAR<sup>2</sup>: After Action Report: A document intended to capture observations of an exercise and make recommendations for post-exercise improvements. The final AAR and Improvement Plan (IP) are printed and distributed jointly as a single AAR/IP following an exercise.
- AAR/IP: Improvement Plan; Identifies specific corrective actions, assigns them to responsible parties, and establishes targets for their completion.
- Alt911cts: Software App, Alternate 911 Call Taking System; integrates with Outpost PMM.

http://www.caloes.ca.gov/cal-oes-divisions/planning-preparedness/after-action-corrective-action-reporting; http://temp.caloes.ca.gov/PlanningPreparednessSite/Documents/01%202450.pdf https://training\_fema.gov/programs/emischool/el361toolkit/glossary.htm

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# *Obj* **#1:** Exercise Radio Operations on all nets a.k.a.: "support the City's Common Operating Picture"

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 Field PSA Data Recording Process
  - **RESULTS**: worked well
  - **PLAN:** Need to develop this as a fundamental packet capability across all CARES packet ops

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- 3. Operate Message NCS from Comm 469 using an ARP Kit
  - **RESULTS**: worked well

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• **PLAN:** Look at power mgmt; On-going message passing practice

# Incoming field observation data

Preliminary Safety Assessment roll-up

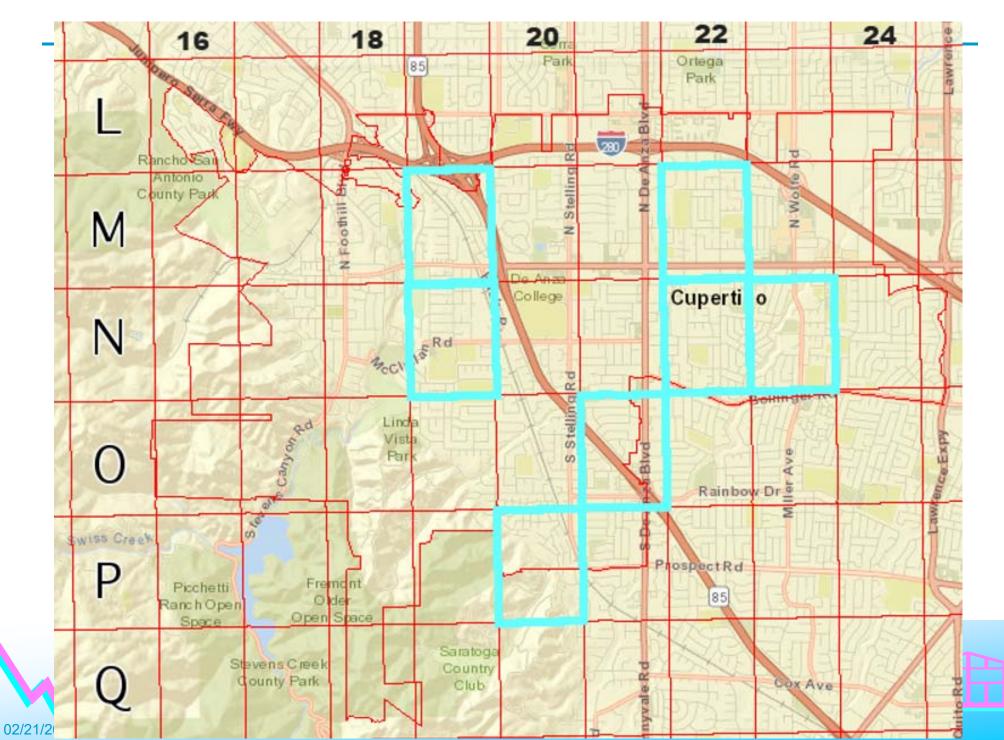
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I6CC	10	81	2 M19	21	3	0	0	0	8	3	1	0	0	0	1	0	0	6
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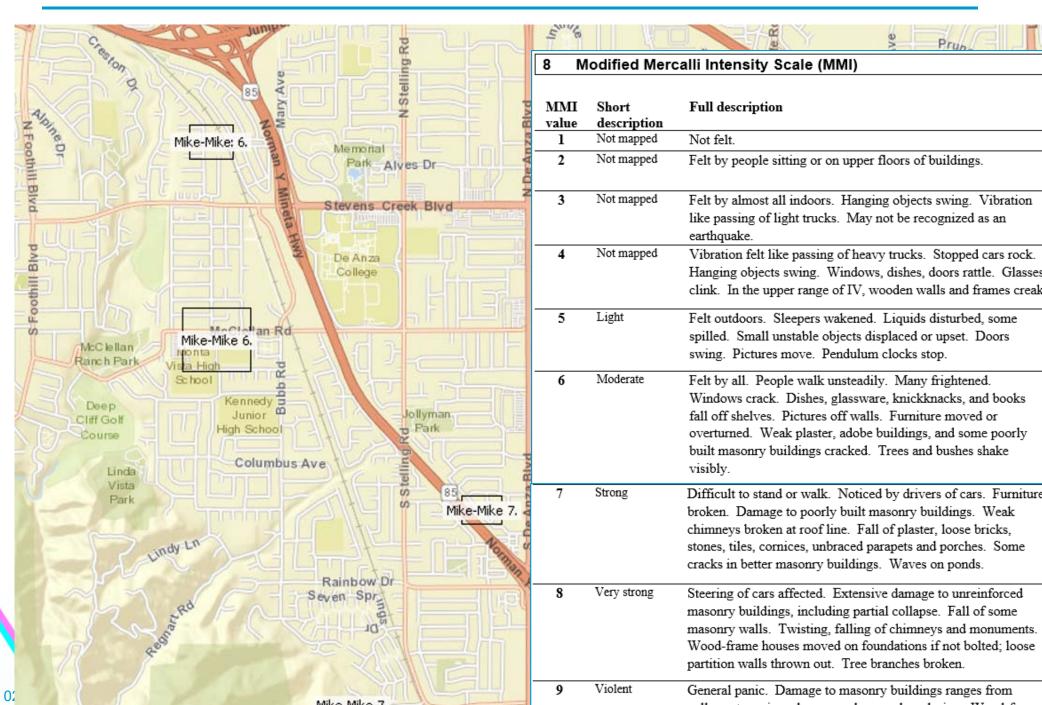
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# **Mapping Cupertino**

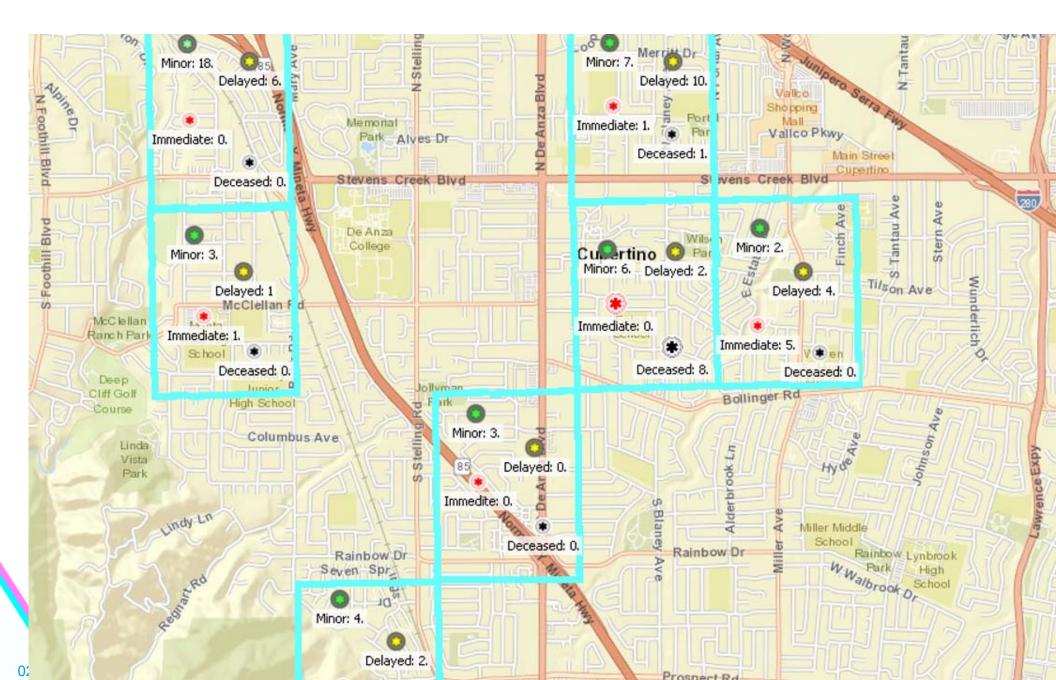


# Mike-Mike report rollup

(Modified Mercalli Intensity scale, a seismic intensity scale)



# Injury report roll-up



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

#### 1. ARK activation Process to Level 2

- **RESULTS**: worked well
- PLAN: Get a copy of the ARK Activation Handbook out to all CCC members

Cupertino ARK Activation Handbook

**Cupertino Citizen Corps** 

December 2018







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

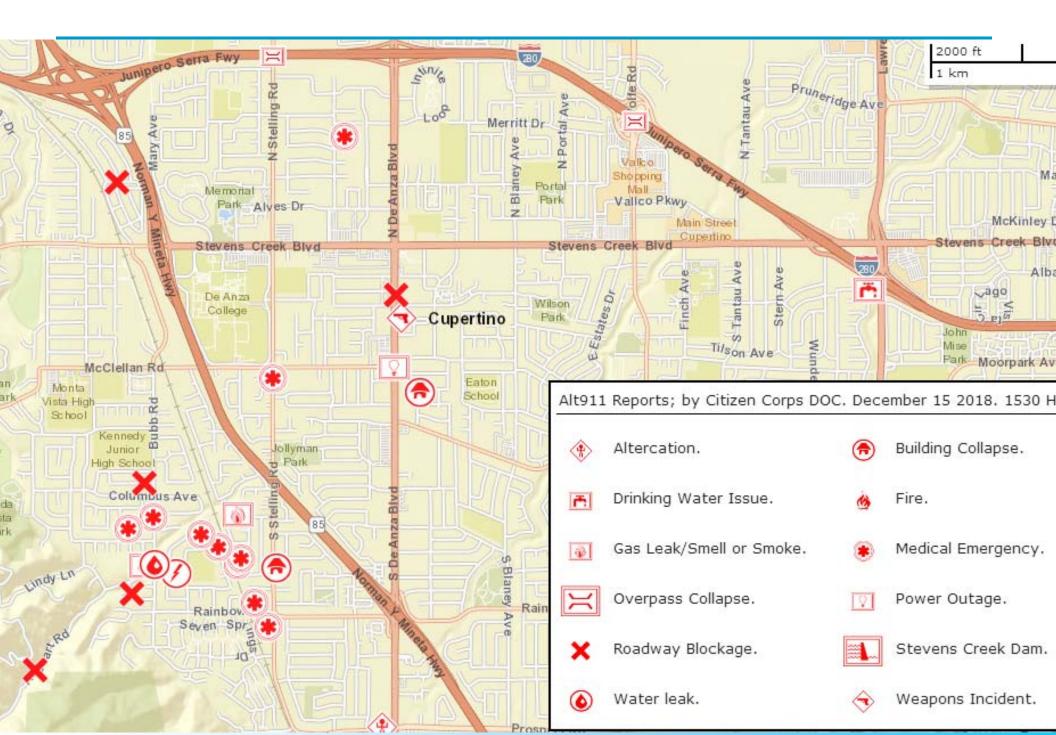
- 1. Pass Alternate 911 messages from field
  - **RESULTS**: worked well; feedback was very positive
  - PLAN: compile, implement software enhancement list; define the training for dealing with community members looking for help
- 2. Staff County Comm
  - **RESULTS**: Not Tested; equipment and access resolution pending
  - **PLAN**: Work with County Comm and County RACES to resolve



# Taking a 911 message in the field...

Alt911 - New report						-		<				
New Report		Event ID: CVC18304.1	10	elete	Save	Submit	Close	e				
What are you reporting? Fell C	Out Of A Tree	L/U Name		iy Good	man			-				
MED	FIRE LAW LGOV	Addres	s: Same	e Addre	ss			-				
L/U Location, Address: 1018		Phone	e: 408-4	435-541	11							
City: Cupe												
Other Location Details Quin	an Rec Center											
Last seen: 15 Minute	5							-				
Details: voungster	was playing in a tree, lost his footing	g. His name is	Jeffery				\$\lambda \lambda \l	-	а	nd deli	ivering	
MEDICAL   FIRE   LAW	/   LOCAL GOV							it			Comm	
Age:	10									<b>y</b>		
Gender:	male	MED Location: 10185 N Stelling Road					ng Roa	ad, Cupertino			Unit	
	○No @Yes ○No @Yes	LAW	Pri:	St	SB:	Addr Addr:: Map:						
		MED	CD:	Zone:	EMD:	MPDS:		RP: Benny Goodm	nan		Rp Phone: 408-435-5411	
		FIRE	LVL:	CD:	Run Cd:	Sta:	F-Jur:	RP Addr: Same Addres	s		Crit:	
		LG	LVL:		1	Ву:		Vehc		Lic:	Ls:	
		At: By: C4/955				Petale: Fell Out Of A Tree youngster was playing in a tree, lost his footing. His name is Jeffery AGE: 10, C+ B+ Last Seen:15 Minutes Call Loc:Cupertino Civic Center						
		At: 10-22 At: Dryrun:		By: By:								
$\sim$	2018 Earthquake:	At: Date & TOC 18103	1 1615			Dev/DSN: KN6PE		Backed in By:	Mutaid RZ:	Freq Assign:	Event #: CVC18304.116	

### 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



### For more information...

After Action Report, other event docs

www.cupertinoares.org > Exercises & Events

#### **Cupertino ARES/RACES**

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

#### 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

**Cupertino ARES/RACES** 

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### Thank you Any Questions?





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