

Infrastructure Safety Assessment Process Overview, Part 2

2 May 2013

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Cupertino ARES/RACES



The City's response priorities

- Address immediate life safety problems.
- Assess the integrity of and stabilize Cupertino's critical infrastructure.
 - Water
 - Sanitary
 - Access
- Perform search and rescue, health and welfare, establish shelters.
- Execute recovery operations.



Earthquake Scenario

Initial Response Assignments

City Staff	<ul style="list-style-type: none">• Inspect City facilities• Staff the EOC
County Fire	<ul style="list-style-type: none">• Fire suppression• Search and Rescue
County Sheriff	<ul style="list-style-type: none">• Public Safety• Law and Order
CERT, MRC	<ul style="list-style-type: none">• CERT operations (SAR, medical, care and shelter, etc.) and support for:<ul style="list-style-type: none">– Organized neighborhoods– Area Ark ICS, response
CARES	<ul style="list-style-type: none">• Preliminary Safety Assessment• Emergency field communications support• Infrastructure Safety Assessment



Earthquake Scenario

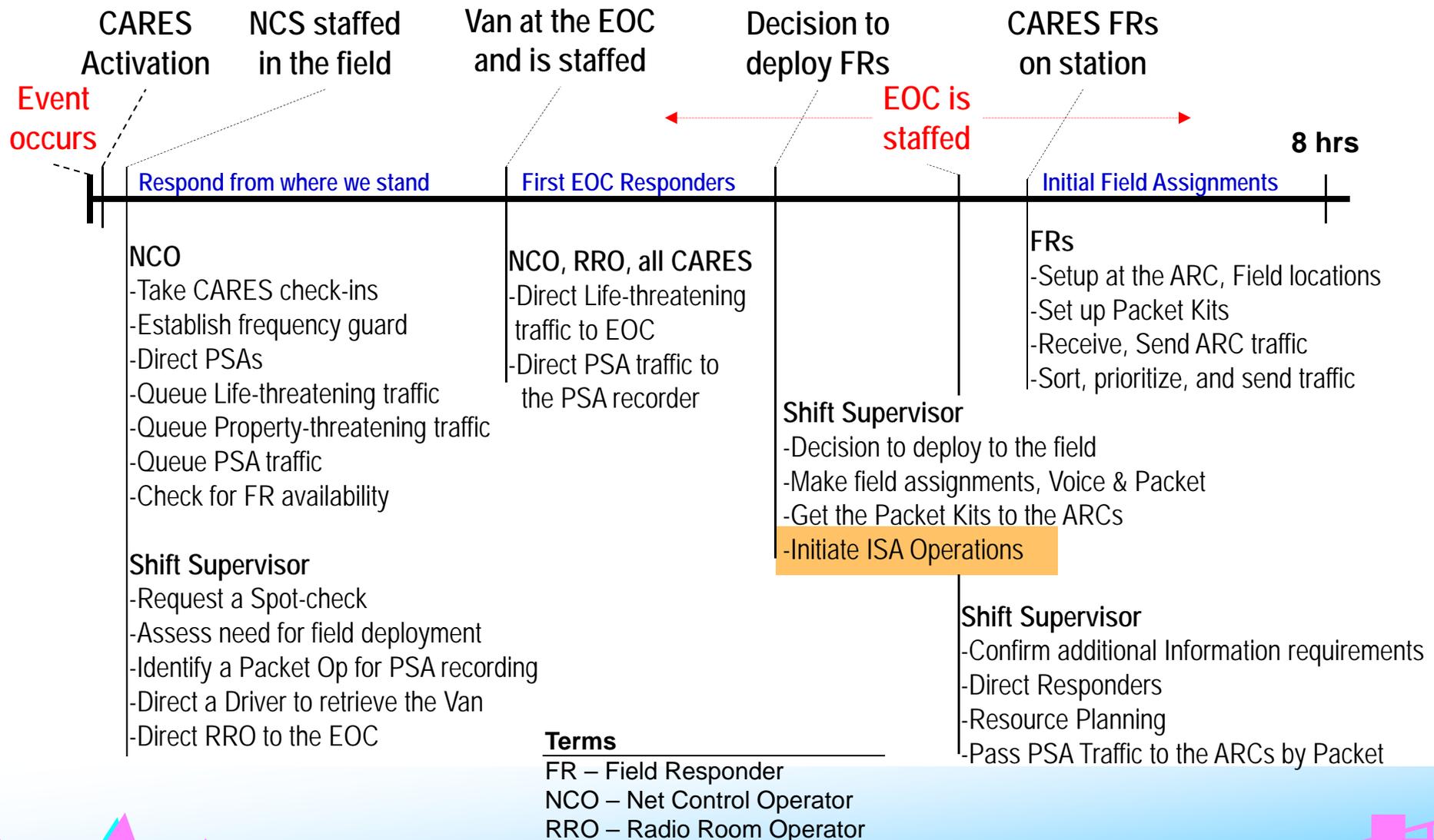
CARES response assignments

1. Preliminary Safety Assessment	CARES collects and reports information about the state of the city immediately after a city-wide emergency or disaster occurred.
2. Field Response	CARES members respond and operate at a field assignment during a declared emergency.
3. Infrastructure Safety Assessment	CARES observes and reports on selected Cupertino critical facilities that are deemed to be important to the City or other Agencies.



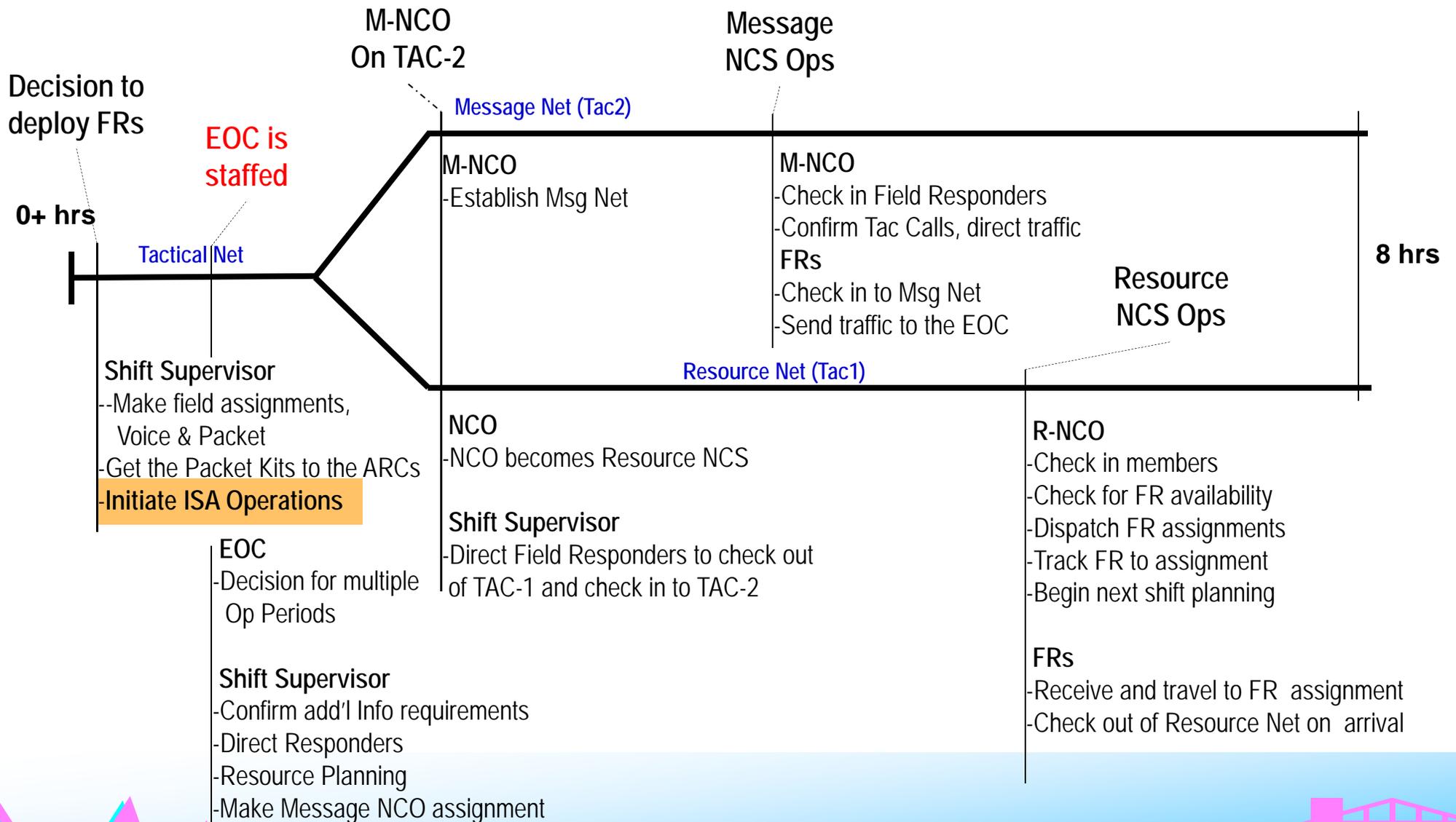
Field Operations

Initial Response Operations



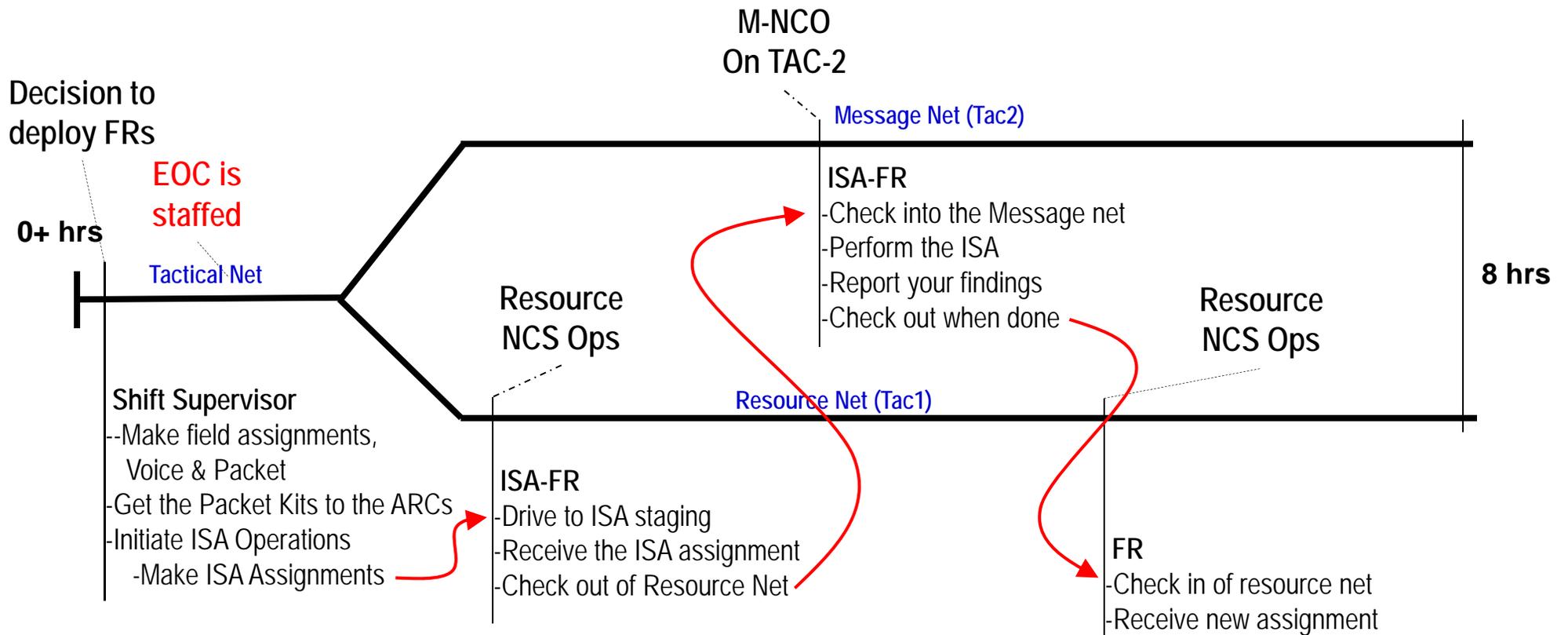
Field Operations

Extended Response Ops – Resource Management



Field Operations

Extended Response Ops – ISA Operations



The ISA process

1. Receive your ISA Assignment Sheets.
2. With your buddy, proceed to each ISA location.
3. On arrival, inspect the ISA asset per the assignment sheet.
4. Record your findings.
5. Report to the EOC the results of your assessment.
6. When done, proceed to the next ISA location.
7. If this was your last assignment, check out of the Message Net and back into the Resource Net.



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ISA Management

Field View

2. ISA Control Log

- Enter the IDs of the ISA Assignments that you were given.
- Fill in all fields.
- For conditions that are not normal, describe the problem; take pictures if you have a camera available.

Cupertino Amateur Radio Emergency Service
PART 5 Checklists

Standard Operating Procedures

ICS xxx ISA CONTROL LOG				
1. ISA Assignment Set:		2. Date Setup		
5		November 1, 2006		

ISA Assignment ID	3. Assigned to:	4. Assigned Date/Time	5. Condition (OK/Discrepancy)	6. Reported Date/Time
1. TRANS-93				
2. TRANS-94				
3. SAN-45				
4. WATER-120				
5.				
6.				
7.				
8.				
9.				
10.				

7. Discrepancy (List ISA Assignment, description of deviation)

ICS XXX	PREPARED BY	APPROVED BY	DATE	TIME
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Rev x.x November 2006

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Message Handling

What it sounds like - Sending an ISA Report, no problems

KG6TEU: “Net Control, this is KG6TEU with ISA Traffic for the EOC”

NCS: *KG6TEU acknowledged. EOC, are you ready to copy ISA traffic?*

EOC: “EOC is ready”

NCS: *KG6TEU, your message number is 35. Send your traffic to the EOC.*

KG6TEU: “EOC, This is KG6TEU with ISA Traffic, message #35. Break”

EOC: “OK, Continue”

KG6TEU: “Asset is SAN-53B. Break” (*be prepared to spell phonetically if asked*)

EOC: “OK, Continue”

KG6TEU: “Conditions are Normal. End of Message. This is KG6TEU”

EOC: “Acknowledged. This is EOC, K6FJC back to net.”

NCS: *This is KD6TQJ, Net Control for the Cupertino Emergency Net.*

NOTE: If there is no problem, then this is essentially all you need to say. Do not reply with what is *RIGHT* with the asset.



Message Handling

What it sounds like - Sending an ISA Report, with problems

KG6TEU: “Net Control, this is KG6TEU with ISA Traffic for the EOC”

NCS: *KG6TEU acknowledged. EOC, are you ready to copy ISA traffic?*

EOC: “EOC is ready”

NCS: *KG6TEU, your message number is 36. Send your traffic to the EOC.*

KG6TEU: “EOC, This is KG6TEU with ISA Traffic, message #36. Break”

EOC: “OK, Continue”

KG6TEU: “Asset is SJW – T7. Break” (be prepared to spell phonetically if asked)

EOC: “OK, Continue”

KG6TEU: “Water flowing on the ground. Break”

EOC: “OK, Continue”

KG6TEU: “Visible damage to Tank and piping. End of Message. This is KG6TEU”

EOC: “Acknowledged. This is EOC, K6FJC back to net.”

NCS: *This is KD6TQJ, Net Control for the Cupertino Emergency Net.*

NOTE: Be succinct with your message. If asked for more details, this it is OK to elaborate. This can then be more of a dialog than part of the message.



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ISA Assignment Requirements

1. This is a mandatory buddy assignment – no one goes alone.
2. Requires the usual field deployment kit, plus ...
 - City Map
 - Water
 - Binoculars
 - GPS
 - Digital Camera
 - FRS
 - Hiking shoes
 - Hip boots (a requirement for one assignment)



ISA Do's and Don'ts

1. Ensure you do have your City Volunteer (CARES) ID with you.
2. Wear your CARES Vest to clearly identify you.
3. Drive carefully. A city or drill activation does not exempt any of the rules of the road for us.
4. When arriving at an ISA site, pull to the side of, or off the road and out of the main stream of traffic; park safely.
5. If you have to walk on private property, be polite to any resident you may encounter; explain who you are and what you are doing. If asked to leave, then leave; let the EOC know the situation.



ISA Cautions

1. Know your limitations.
2. Physical exertion may be required (climbing hills).
3. ***Proceed with Caution***: some sites may be slippery when wet (moss).
4. Driving in some areas of the city may result in loss of contact with the EOC. Periodically check in with Net Control.



May'13 Field/ISA Deployment Drill

Drill Objectives:

- Foster coordination between CCC members.
- Test the Infrastructure Safety Assessment (ISA) Process.
- Update the ISA Assignment sheets as necessary.
- Test the Resource Net concepts and procedures*
- Use standard ICS and/or Cupertino OES documentation.



May'13 Field/ISA Deployment Drill

Scenario:

- The Bay Area experienced a 7.5 earthquake 3 hours ago. Moderate damage was reported throughout the City.
- You have just finished your Preliminary Safety Assessment and sent your PSA reports to the EOC.
- CARES Emergency Net and has been staffed for 3 hours.
- Message NCO just came up on TAC-2.
- CARES Shift Supervisor just announced that ISAs need to be performed.



Infrastructure Safety Assessment

ISA Drill

When: Saturday, 18-May, 8:00am to 12:00pm

Where: Start from your home

Who: All CARES members, one NCO, one RRO, SS

What:

- This is a “drive-around-the-city” drill.
- Everyone will have a Buddy

How:

- The earthquake occurred at 5:00am, 3 hours ago.
- Net is called at 8:00a, take check-ins.
- You just finished (simulating) sending in your PSA traffic.
- Determine who is available as a Field Responder.
- When directed, proceed to **ISA Staging**.
- Secure the drill at 11:00am.
- Return to the EOC for a debrief.



While you are out there...

1. It is OK to mark up the ISA Assignment sheets.
2. Please Update ISA Assignment Sheets with City Grid markers. Some have the old Chamber of Commerce designators.
3. We do not have all the Lat/Long coordinates; please update if possible.
4. Check for changes in the directions, markers, signage, picture accuracy, etc., that can help you get to and describe the ISA site.
5. Return all documentation and ISA Assignment sheets on your return.



Thank you

Any Questions?



Cupertino ARES/RACES

CARES Event Timeline

