

ICS 202 INCIDENT OBJECTIVES SCCo RACES/ACS	1. INCIDENT NAME RACES/ACS Communications Drill Rev C	2. DATE 8/27/2022	3. TIME 0900-1300						
4. OPERATIONAL PERIOD 1000 - 1200		5. MISSION NUMBER N/A							
<p>6. Drill Objectives</p> <p>Primary Objectives:</p> <ol style="list-style-type: none"> 1. Conduct a drill that exercises County Resource Net at Level 1, Level 2, and Level 3 as an “arm chair” exercise for field communicators and City EOC participants. Staff the County Radio Room. For Level 1, give participants a mechanism to practice matching a damage observation to a M-M number. 2. Within the first fifteen minutes, County OES receives a first snapshot of county impact collected from individual M-M reports and any MM rollups from participating cities. 3. Staff the County EOC radio room and operate at a minimum the Resource, Packet, and Command Nets, additionally operating the Message Net if sufficient staffing is available. 4. Use AlertSCC to alert all those with a County DSW registration about the simulated event. <p>Secondary Objectives:</p> <ol style="list-style-type: none"> 1. Practice receiving mutual aid requests at the County EOC and how to manage assignments and dispatch. <p>Ground Rules: No travel is required for field participants. City EOCs may (optionally) simulate activation (e.g. from the EC’s or AEC’s home) or (preferred) may activate to participate the County Nets. County EOC radio room participants will need to travel and arrive in time for the briefing at 0900.</p> <p>Drill Scenario: Santa Clara County experiences an earthquake event at approximately 1000 on Saturday, 8/27/2022. Fortunately, the Resource Net repeaters were linked for a prior county-staff event. A County ADEC alerts all operators about the simulated earthquake, and a County NCO initiates the Resource Net at 1000. An aftershock is conveniently received 20 minutes later. Field participants (re)select their MM level for reporting during each interval. After the aftershock, one or two cities announce their EOC’s are activated and the Resource Net transitions to Level 2. At 1040, information collection stops and the net transitions to Level 3. For the remainder of the drill, simulated requests for resources, assignments, mobilization, and simulated health and welfare checks are made until 1200. County to City EOC continues on the Message Net, Command Net, and Packet net. The net is closed at 1200 and the drill is over.</p>									
<p>7. WEATHER FORECAST FOR PERIOD</p> <p>The average weather for the County in August ranges from a low of 60°F to a high of 82°F. It is often overcast, particularly in the morning, and precipitation is minimal. There is a small chance for wildfire smoke, depending on current conditions in California as a whole.</p>									
<p>8. GENERAL SAFETY MESSAGE</p> <p>Field participants are not required to travel for this event and should participate in a safe environment. County EOC participants are required to travel and arrive at the County EOC by 0900 and return home after the drill is over. All travel must be conducted in a safe and law-abiding manner.</p>									
<p>9. ATTACHMENTS (mark if attached)</p>									
<table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> ICS 204 Assignment List (comms)</td> <td><input type="checkbox"/> ICS 201 Incident Briefing (RACES)</td> </tr> <tr> <td><input type="checkbox"/> ICS 211A Check In List</td> <td><input type="checkbox"/> ICS 205 RACES Radio Communications Plan</td> </tr> <tr> <td><input type="checkbox"/> ICS 214 Unit Log</td> <td><input type="checkbox"/> Other: Grid Square Map</td> </tr> </table>				<input type="checkbox"/> ICS 204 Assignment List (comms)	<input type="checkbox"/> ICS 201 Incident Briefing (RACES)	<input type="checkbox"/> ICS 211A Check In List	<input type="checkbox"/> ICS 205 RACES Radio Communications Plan	<input type="checkbox"/> ICS 214 Unit Log	<input type="checkbox"/> Other: Grid Square Map
<input type="checkbox"/> ICS 204 Assignment List (comms)	<input type="checkbox"/> ICS 201 Incident Briefing (RACES)								
<input type="checkbox"/> ICS 211A Check In List	<input type="checkbox"/> ICS 205 RACES Radio Communications Plan								
<input type="checkbox"/> ICS 214 Unit Log	<input type="checkbox"/> Other: Grid Square Map								
<p>10. ADDITIONAL REMARKS</p>									
<p>Detailed plan is attached.</p>									
<p>ICS 202 SCCo RACES</p>	<p>11. PREPARED BY (Incident Commander) Jeff Grafton, AJ6XZ</p>	<p>12. APPROVED BY (District Emergency Coordinator) Tim Howard, KE6TIM</p>							

1 Drill Objectives

1.1 Primary Objectives

Conduct a drill that exercises County Resource Net at Level 1, Level 2, and Level 3 as an “arm chair” exercise for field and City EOC participants. Staff the County Radio Room.

Participating cities can check into the Resource Net to activate Level 2 status as well as make simulated mutual aid resource requests for F3, F2, N3, N2, P3, and P2 resources to the County EOC to support Level 3 simulated assignments. Otherwise, city activation and mutual aid requests will be simulated by the County EOC.

Within the first fifteen minutes, County OES should receive a snapshot of impacted cities based on individual Mike-Mike reports and city Mike-Mike rollups.

The AlertSCC system shall be used to alert everyone with a County DSW registration about the simulated earthquake.

1.2 Secondary Objectives

Practice receiving mutual aid requests at the County EOC and how to assign and dispatch resources accordingly.

2 Drill Scenario

A major earthquake event is felt county-wide at approximately 1000. Fortunately, the Resource Net repeaters are linked from a prior event.

0955	n/a	An AlertSCC message is sent to everyone with a County DSW registration informing them about the simulated earthquake that has just occurred and asking for Mike-Mike reports.
1000	Phase A	County commences the drill and activates Resource Net Level 1 and begins taking information reports. Field participants respond as per self-selection instructions for Phase A responses.
1020	Phase B	Information report taking continues. Field participants respond as per self-selection instructions for Phase B responses. One or more City EOC will check-in and the net transfers to Level 2. Any city hams will be directed to leave the Resource Net and contact their City EOC radio room as per instructions.
1040	Phase C	Resource Net transitions to Level 3. County EOC begins survey of available communicators. Simulated Mutual Aid requests will come in. Assignments will be made. Activated/dispatched communicators will simulate resource tracking procedures.
1200	n/a	Drill ends.

3 Participation Expectations and Credential Evaluations and Credit

All Santa Clara County radio operators are expected to perform their duties according to the **Santa Clara County ARES/RACES Performance Standards and Best Practices** ("the Performance Standards").

County staff will be focused entirely on the drill and unfortunately, will not have the available bandwidth/resources for evaluations and there will not be any extra evaluators available for field evaluations.

As in past county drills, Credential credit will only be available for County EOC participants.

3.1 Positions / Participations Summary

This exercise is open to all Santa Clara County ARES/RACES radio communicators.

The following table summarizes the participant requirements and expectations for the drill.

Position	Quantity (min-max)	Minimum Requirements
IC Staff	2-4	An ICS 204 is not being used for this event.
Net Control Operator Resource Net	1-4	N2 or previous event Resource Net Level 3 operator experience
Net Control Operator Message Net	1-4	N3 or N2
Net Control Operator Packet Net	1-2	P3 or P2
Field Responder	5-20	C4 preparedness, however all interested hams are most welcome.

4 Drill Implementation

4.1 Overview

4.2 Operational Period Summary

The following table enumerates an expected drill operational schedule. Deviations from this schedule will be based on operational needs at the actual event.

TIME	ITEM
1000-1200	Overall drill operational period
Breakdown:	
0900	County drill staff have arrived at County EOC and receive briefing
0915-1000	All participants prepare for the drill commencement
0955	AlertSCC message sent to all registered operators about simulated earthquake
1000-1020	Drill Phase A
1020-1040	Drill Phase B
1040-1200	Drill Phase C
1200-1300	Debrief for County EOC participants

4.3 Operational Requirements by Participant Role

4.3.1 Field Communicator

Please read this entire document.

For field communicators this will be an “arm chair” exercise. There will be no need to move from your location to participate in this drill. We are going to simulate an earthquake, followed by an aftershock, followed by looking for and asking for available operators with County DSW registration able for a (simulated) dispatch for mutual aid.

First:

1. As this is a drill, please check with your city EC to see how they want you to initially participate. Please follow the instructions provided by your EC. For example:
 - a. If your city wants you to “contact the city first” for this or any other self-alerting event, you should check in with your city at the start of the event. After your city releases you, then please come and participate in the Resource Net.
 - b. If your city wants you to check in on the County Resource Net for a Mike-Mike report first, make it so, then switch to your city as appropriate. After your city releases you, then please come back to participate in the continuing Resource Net.
2. If you are outside of Santa Clara County, or if your city is not organizing to participate in this drill, then please tune to the Resource Net just before 10:00 and listen for instructions. For this drill, you can participate at the county level (from home), even if your city is not participating, by providing Mike-Mike reports and simulated mutual aid deployments.

Second: Reminder - please follow Net Control instructions as they are stated during the drill. As with a real earthquake event, this may turn out to be a very busy net. The general flow of the exercise as follows:

1. Phase A: Net Control will announce just before opening the net: “The drill is active, Santa Clara County has just experienced a county-wide simulated major earthquake” or similar message. Follow instructions below for reporting your observation.
2. Phase B: An aftershock is felt approximately 20 minutes later (i.e., ~10:20). Expect Net Control to announce: “The drill has entered Phase B: the county has just experienced another simulated significant aftershock. Please recheck your observations and report accordingly when asked to do so”. Based on message load, not all M-M reports from the previous phase may be serviced. If you are pending to give an M-M report for Phase A, please reset to a new observation following the instructions below for reporting a second observation.
 - a. NOTE: some cities will start announcing their EOC and local net activation. When the first city reports, Net Control will announce the transition of the Resource Net to Level 2. If your city announces its activation, please leave the Resource Net and go the announced frequency for your city and participate locally. When you are released from your city, please come back and join the Resource Net.
3. Phase C: At 10:40 Net Control will announce the transition to a Level 3 Resource Net for the drill. Simulated City to SCCo RACES Mutual Aid requests will have been received at the County EOC and it is time to survey available communicators and proceed accordingly. Expect to communicate your availability for mutual aid assignment when directed by Net Control.
 - a. NOTE: any amateur radio operator with a County DSW registration may participate in Level 3 availability response, however a preference may be given to available credentialed operators with a MAC endorsement with matching qualifications for the mutual aid request assignment. If you are activated for a drill assignment, you will simply perform the travel portion of the assignment from your chair, simulating your travel, health and welfare checks, etc., including arrival at the destination at the appropriate ETA time.

b. Homework assignment:

- i. Please have your paper or offline map available so that you can get an accurate route from your location to the street address given in your activation/dispatch instructions. The street address will be real and may be anywhere in Santa Clara County.
 - ii. If you are using a phone app for your map resource (e.g. Google Maps), please prepare for this drill by updating your offline areas prior to the event. During the event, please put your phone in airplane mode and turn off WiFi. Practice for a real event dispatch: phones and Internet services may be out.
 - iii. Please have ready or print out the Mike-Mike “Table of Observations” document found at: https://www.scc-ares-races.org/drills/drill_2022-08-27/SCCo_Drill_20220827_Table_of_Observations.pdf
 - c. Enter the address of your destination and give a travel time ETA to Net Control if asked. Use the time given to you directly by the phone app or your estimated time using another map resource.
 - d. Try to give accurate odometer readings, as well as street/intersection location when you “pull over to a safe location” to give your routine health and welfare check information. Note: follow Net Control instructions for timing and safety.
4. End of Drill. The drill will be over at 1200. Some participants may have reached their simulated assigned destinations, some may be in simulated travel, some may have not received an assignment. At this point, we’re done.

NOTE: The last hour will likely be quite busy. Please be patient and understanding that Net Control may be dealing with a heavy message load and due to prioritizing responses (triage) they may not get to everyone.

Thank you for participating in the drill!!

4.3.1.1 Reporting Your Observations

Resource Net participants in Phases A and B will be asked to communicate a Mike-Mike report, more formally known as the Modified Mercalli Scale. You can view what we use in Santa Clara County at: <http://www.scc-ares-races.org/MMScale.html>. (This should also be part of your Go-Kit!)

The severity of Mike-Mike level will be simulated based on your FCC call sign and your middle name as follows:

1. For Phase A: select the **last** letter of your FCC call sign
2. For Phase B: select the **last** letter of your middle name. (If you have no middle name, use your first name.)

For the selected letter, send a Mike-Mike report suited for the observations found in the following table. Use your best estimate.

If your letter is:	Your observation is:
A	Things were rattling on the shelves in my home. I noticed a door sway and hanging pictures moved a little bit.
B	My windows at home were rattling loudly.
C	I heard what sounded like a large heavy truck passing by outside.

D	Glasses fell over in my kitchen cabinets.
E	I had to hold on to a door frame to keep my balance.
F	I walked outside and saw that some bricks fell off the neighbor's chimney.
G	I was driving on U.S. Highway 101 and the overpass at Lawrence lost some concrete that fell into the road.
H	The floor and walls shook, but nothing else.
I	Some books fell off a shelf.
J	One of my bookshelves fell over.
K	The new building construction across the street collapsed.
L	My wall mirror almost fell off the wall.
M	A lot of water in the swimming pool washed up over the sides.
N	The front porch of my neighbor's house is now slanted and tilted.
O	A bunch of car alarms have gone off in the neighborhood, but not much else.
P	I thought I was going to loose my heirloom porcelain, but it stayed on the shelf just fine.
Q	The open door to the garage slammed shut.
R	I fell over and couldn't get up for awhile until the shaking stopped.
S	I was driving and a portion of the pedestrian walking bridge in Cupertino over RT 280 collapsed.
T	The bed shook for a little bit, but that was it.
U	Some small items fell off the bookshelf in my home office.
V	The TV fell off its stand and broke its screen.
W	I was up at Steven's Creek reservoir and after the shaking stopped, I noticed a bunch of dirt had fallen off the face. There appears what might be a large crack forming.
X	The hanging kitchen lights sure swayed a lot with this one, nothing else. A short but bumpy ride.
Y	My stereo speakers and stands fell over and broke.
Z	My old dog went and hid under the kitchen table because the wooden fence in the back yard fell over and made a terrible noise, along with all the shaking.

4.3.2 City EOCs

Please read this entire document.

Cities in the county will optionally participate in this drill, but participation is highly encouraged. It is up to each participating city to arrange activities for their own ham radio communicators outside of what has been provided above.

Phase A

Participating cities should ensure that a snapshot of their city is received by County OES within the first fifteen minutes of the drill.

- If the city normally asks their operators to participate directly on the County Resource Net for Level 1 reports, there are no special requirements for Phase A.

- If the city normally asks operators to check in with their city first, then please communicate a drill simulated roll-up of a Mike-Mike report summary for your city during the first 15 minutes of the Level 1 Resource Net; i.e., by 10:15 to Net Control using the Resource Net.
 - How each city compiles/accumulates its numbers is up to each city; e.g. a real drill survey of your operators or a simulated roll-up numbers.
 - The roll-up can be sent over voice to the Resource Net or via Packet at the discretion of the city, based on how busy the Resource Net is.

Phases B and C

Participating cities are encouraged to activate their real or simulated EOC radio room (e.g., from the EC's home or other location that can participate in the County Nets).

Upon activation:

- **Check in** on the Command Net, Packet Net, and Message Net (if active)
- **Check in** on the Resource Net during Phase B (i.e. before 1040) and announce the "drill activation of your City EOC" and tell us what frequency (in MHz, PL tone, etc.) that operators should tune to. The first city doing this will cause the Resource Net to transition to a Level 2 net. We will then direct all radio operators for each announcing city to leave the Resource Net and contact the City EOC as you have indicated.
- Via Packet:
 - By **11:15**, send a **SCCo RACES Mutual Aid Request** form to the County EOC requesting a simulated, but near actual request for mutual aid communicators. We may use your mutual aid request for organizing the drill dispatch portion of the Level 3 Resource Net. See the next section for more information.
 - Send an **SCCo OA Jurisdiction Status** message for a simulated drill incident in your city. Please be realistic and report an incident that might occur during a major earthquake.
- Release your operators with County DSW (ideally those credentialed with MAC endorsements) to participate in the County Level 3 Resource Net.
- Check out of each net before you close down.

Thank you in advance for participating!

4.3.2.1 Mutual Aid Request format details

Use the SCCo RACES Mutual Aid Request Form to send a mutual aid request, preferably via packet. An example form is available at https://www.scc-ares-races.org/drills/drill_2022-08-27/Example_SCCo_CityRequestForMutualAid.pdf.

Follow the instructions to fill out **all required fields**. Use realistic values for each field.

For **resources requested**, please limit to no more than 3-4 persons total, allocated across C4, F3, F2, N3, N2, P3, and P2.

For the **reporting location**, include the real name of a facility or venue in your city, along with a real street address in your city.

Be sure to include the phrase "Drill Traffic" somewhere in your form.

4.3.3 County Radio Room Net Control Operator and staff

Please read this entire document.

Resource Net Control positions will be an N2 radio operator and N2 scribe, established on a rotating basis of approximately 30 minutes per seat. Shifts may be adjusted based on the availability of personnel or message load. Message Net and Command Net operators may be N3 or N2, or other radio room staff. Packet Net operators will be P3 or P2.

Operators without the required credentials may fill positions with approval by the DEC/CRO. All County operators must have County DSW.

For Resource Net, be prepared with your scripts. In addition to the scripts, for this drill:

- Just before or at 10:00 announce drill use of the repeater, that the drill has entered Phase A and is a Level 1 Resource Net. "Santa Clara County has just experienced a simulated county-wide earthquake for this drill".
NOTE: city EOCs participating will send in a city roll-up M-M report by 10:15.
- At 10:20, regardless of current message handling, announce that the drill has transitioned to Phase B, "the county has experienced a simulated drill aftershock". Restart your triage, skip any pending message requests.
- Upon receipt of first city EOC check-in and frequency information, announce that the drill has transitioned to a Level 2 Resource net. Advise listeners that if they are a member of City "X" (where city "X" has checked in) that they should leave this net and tune to their city net (at frequency, etc.), do this for each city (one or more times). Continue to collect M-M reports.
- At 10:40, announce transition to a Level 3 Resource Net. Announce that M-M reports will no longer be needed or taken.
 - NOTE: given the load experienced during the Level 1 portion of the Resource Net, we will get an idea of how many field communicators are participating. It may be very prudent when asking for availability to prioritize requests for credentialed operators, particularly those with a MAC endorsement, before other ham radio operators.
- When appropriate, survey for "available to dispatch" ham radio operators who have County DSW. For credentialed operators, collect any credentials. If not credentialed, ask for what they consider their capabilities.

NOTE: remember triaging of M-M reports for effective handing during Level 1 and Level 2.

During Phase C, we will be receiving (or simulating) City Mutual Aid Requests. Resource Net control operators will need to follow shift supervisor/IC directions for announcing a mutual aid need and assigning operators for dispatch. **This will be a learning experience!**

Expect that as Net Control you will have mostly surveyed the listening and available radio operators by type for fulfilling availability for a dispatch. When assigned follow normal activation and dispatch conversation; e.g. fill out the dispatch form for each request. Health and welfare, as well as traveling distance will be simulated by each dispatched radio operator for this drill.

NOTE: we will have non-credentialed operators participating. Respect their availability and capability reports, but remind them that they must have County DSW to provide mutual aid. Assign and process for mutual aid requests as directed by Shift Supervisor/IC.

NOTE: due to equipment relocation, W6ASH may not be available for linking to the other Resource Net repeaters. In such a scenario, we will only use AA6BT and N6NAC for the Resource Net, but will attempt to make announcements on W6ASH informing operators to switch to one of the other repeaters. If staffing allows, we may also have a separate Net Control operating the Resource Net on W6ASH.