

Auxiliary Communications Service

South County Operational Area

Field Operations Guide



SONOMA COUNTY



DEPARTMENT OF EMERGENCY MANAGEMENT

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South County Unit Leader and Assistants

Unit Leader	Eric Swanson	WB6MVT	707-762-3118 H	707-478-3408 C	emswanson@comcast.net
Assistant - Petaluma	Peter Parks	KK6HQT	707-217-8234	707-536-3285 C	pete@parksoffroad.com
Assistant - Rohnert Park / Cotati	Mike Grummell	KE6IID	707-529-9132		grummy@pacbell.net
Petaluma EOC	Tony Kamby	KD6WYH			
Cotati EOC	Nick Vicencio	N1NER			
Rohnert Park EOC	Johnathan Brown	AK6VB	707-588-8982		
Sonoma State EOC	{vacant}				
Packet	Johnathan Brown	AK6VB	707-588-8982		
APRS	Ed Jacobson	W1EJ	707-364-4482		woneej@gmail.com
ATV	Johnathan Brown	AK6VB	707-588-8982		

Emergency Activation / Notification Procedure

There are two primary ways ACS activation will occur: County Department of Emergency Management (DEM) through ACS Chief Radio Officer (CRO) to the Unit Leader (UL) / Assistant Unit Leader (AUL); or by a unit of local government to the UL/AUL. When this occurs, the UL/AUL is to notify the Chief Radio Officer or DEM as follows:

1. Notify the Chief Radio Officer, Dan Ethen WA6CRB 707-538-1466 H 707-486-0386 C
 - a. Who is asking for ACS activation
 - b. Why they are calling for the activation
 - c. If additional assistance might be required
2. If CRO cannot be reached, notify the Department of Emergency Management
 - a. During working hours – Chris Godley / Sam Wallis 707-565-1152
 - b. After hours – Sheriff's Dispatch 707-565-2121 ask to page on-call FESD duty officer

Activation of Net Control Station (NCS)

For an event where no NCS is assigned, assume the function until relieved.

Ensure there is an Alternate NCS – FOR BACKUP, and maybe two nets (resource ?)

Announce "This is {call sign}, NCS. This is an alert. This is not a drill. This is an activation of the Sonoma Operational Area ACS Net."

Ask for check-ins.

Emergency Procedures - Standard Operating Procedures

ASSESS: YOUR Family's Safety and Welfare FIRST.

ASSESS: Needs of your Neighbors.

ASSESS: The local Environment. Roads closed, Power Gone, etc.

Listen to 146.910 (-) PL 88.5 repeater for South County (Tactical). (If the repeater goes down, we will use 146.910 simplex).

WAIT to be directed to South County logistics or County Repeaters.

Do NOT self-activate, WAIT to be called.

As activation nears, expect a call on 146.910 (-) PL 88.5 Repeater, (Simplex), or a phone call, or to determine availability.

We might be providing mutual aid to other units depending on their needs.

If activation is necessary, expect a general call on the radio with instructions on the radio (146.910 (-) PL 88.5 repeater or simplex) or a call on the phone.

If you are not comfortable with an assignment, remember, you are a volunteer. It's OK to say NO!

When contacted, find out: Also see Page ??

WHERE you need to go and the best way to get there.

WHEN do you need to be there and for how long?

WHAT you need to bring: HT's, mobiles, HF, ATV, Packet, etc.

Your duties: shadow, radio operator, packet, etc.

If you need to bring food, water, personal items, chairs, sunscreen, etc.

WHO you will report to, and who you are to relieve.

If you will get relief and when.

Operate professionally.

Use your tactical call sign and your FCC call sign at the END of all your messages.

Listen and find out if there is a regular check-in schedule, or just when you have traffic to send.

Prioritize your messages:

EMERGENCY

PRIORITY

ROUTINE

(Let other organizations handle health and welfare messages)

Number all outgoing messages. This helps when receiving replies.

LOG all messages sent and received. (this is a full-time job, which can also be done by a non-ham or new ham).

Keep transmissions short. Listen continuously to Tactical Net.

Observe Radio Traffic Procedure. Send slowly in groups of 5 or fewer words.

Wait for an acknowledgment before proceeding. Do not spell unless asked to.

Documents And Paperwork

ACS ID card

Ham Operators License (COPY)

Driver's License

Vehicle Registration and Insurance

OPERATOR MANUALS FOR YOUR RADIOS!

Pens, Pencils, sharpeners, erasers
Clipboard with Notepaper
Message Forms (ICS 213) 10 copies
Activity Log (ICS 214)
City and County Maps
Phone lists
3x5 Cards, Permanent Marker, Push Pins
Waterproof Carrying Case

Emergency Frequencies

County

1. 146.730 MHz (-) PL 88.5	County Tactical + Central ACS	Sonoma Mtn
2. 145.350 MHz (-) PL 88.5	County Resource + North ACS	Sonoma Mtn
3. 144.910 / 223.660 / 145.730 MHz	Packet	
4. 443.475 MHz (+) PL 110.9	Sonoma County-local	
5. 224.820 MHz (-) PL 103.5	ACS County Leadership (Leader 1)	Sonoma Mtn
6. 147.180 MHz (+) PL 151.4	Cal Fire / VIP	St. Helena
7. 145.390 MHz (-) PL 88.5	Cal Fire / VIP	St. Helena
8. 147.060 MHz (+) PL 100.0	Bay Area Hospital Net	Mt. Diablo

South County Unit

1. 146.910 MHz (-) PL 88.5	SMRS (Linked To Coast & N. 101 To Eureka)	Sonoma Mountain
2. 146.910 MHz Simplex	Tactical Backup	
3. 146.550 MHz Simplex	Alternate Tactical (SX-1)	
4. 147.405 MHz Simplex	EOC Intercom (SX-4)	
5. 147.495 MHz Simplex	Logistics Prime (SX 2)	
6. 223.460 MHz Simplex	ATV	
7. 146.460 MHz Simplex	ATV (SX- 3)	
8. 146.535 MHz Simplex	Staging [Logistics (SX-5)]	
9. 146.475 MHz Simplex	Rohnert Park C.E.R.T. (SX-6)	
10. 224.820 MHz (-) PL 103.5	County Leadership (Leader 2)	
11. 224.960 MHz (-) PL 103.5	South County Leadership (Leader 1)	
12. 441.675 MHz (+) PL 107.2	Win System (Linked System) Out Of Area	

Other ACS and RACES Units

1. 147.315 MHz (+) PL 88.5	Sebastopol (SCRA)	
2. 147.435 MHz Simplex	Sebastopol	
3. 145.190 MHz (-) PL 88.5 147.540sx/440.775 (+)	Russian River Area	Mt. Jackson
4. 145.350 MHz (-) PL 88.5 146.415sx /223.400sx/223.400sx	Central County ACS	
5. 146.205 MHz (+) PL 88.5 147.480sx 146.565sx 223.480sx	Sonoma Valley ACS	
6. 147.825 MHz (-) PL 103.5/147.945 (-) /146.610/147.570/147.585	Coast ACS	
7. 146.205 MHz (+) PL107.2/146.670 (-) PL 88.5/147.975 (-) PL 88.5/146.415	Bodega Bay ACS	
8. 146.730 MHz (-) PL 88.5 146.460sx/223.400sx	North County ACS	
9. 146.700 MHz (+) PL 203.5(179.9/167.9)	Marin County Races/ARES	Novato
10. 145.130 MHz (-) PL 103.5	Mendocino County Races/ARES	Willits
11. 147.975 MHz (-) PL 88.5	Bodega Bay And Coast	
12. 7245 kHz / 1960 kHz LSB	Sonoma County/Coast ACS Day	
13. 3915 kHz LSB	Sonoma County ACS Night	
14. 146.205 MHz (+) PL 107.2	Bodega Bay Fire	
15. 3928 kHz LSB	Mendocino/Sonoma Coast HF Net Night	

Local Frequencies To Monitor

1. 740 kHz AM KCBS
2. 106.9 MHz FM KCBS
3. 1350 kHz AM KSRO
4. 460.075 MHz / 460.350 MHz Petaluma Police
5. 154.100 MHz Rohnert Park Police And Fire
6. 151.100 MHz Rohnert Park Police And Fire-2
7. 453.900 MHz Sonoma State Police
8. 460.225 MHz Cotati Police
9. 154.310 MHz REDCOM - County Fire-dispatch
10. 154.175 MHz REDCOM - County Fire-control 4 Zones 3/9
11. 154.205 MHz REDCOM - Tac Zone 9
12. 154.025 MHz Petaluma Fire Command Zone 9
13. 155.100 MHz Ambulance Dispatch
14. 155.355 MHz Ambulance To Hospital (Faster)
15. 44.800 / 42.480 MHz CHP
16. 151.4975 MHz County Health Net
17. 7230 kHz / 3992 kHz / 1987 kHz State OES Day/Night
18. 453.725 MHz Sonoma County Sheriff
19. 151.460 MHz / 151.300 MHz Air Cal Fire Dispatch
20. 453.025 MHz Sheriff 6
21. 162.475 MHz NOAA Weather (Sonoma Mountain)
22. 462.5625 MHz FRS Ch 1
23. 27.065 MHz CB Ch 9
24. 158.190 MHz PG&E

Radio Gear

Basic

2 Meter HT with antenna
Gain antenna-J Pole or Magnet Mount (1/2 or 5/8 ~) + adaptors
Extra Batteries (never too many) with charger or cigarette lighter adaptor
Headphones-Speaker Microphone-Earphone
User's Manual
Coax cable with adaptors
Solar panel/charger

Mobile

Mobile 2 Meter radio, 70 CM (440MHz), and other bands are helpful
Power supply with patch cords
Magnet mount antenna with metallic plate (trash can lid or similar)
Multiple outlet power strip and extension cord
Coax cable and adaptors
Headphones, microphones, and Spare Fuses
User's Manual

Supplemental Equipment

Other band HT's (220/70cm)
AM/FM radio with batteries and AC adaptor
Scanner
Digital Setup

- Packet TNC
- laptop
- 2 Meter radio
- 220 radio
- antenna
- WinLink
- FT8

ATV Equipment
HF radio

- antenna
- power supply or battery

APRS setup

Personal Response Kit

WATER 3 gallons (Gallon a day)

Ready to eat food and snacks 3 days worth

Prescription medicines, Pain medication, sore throat lozenges

Sunscreen, insect repellent, chapstick, TECNU for poison oak.

Eyeglasses, sunglasses

Flashlight, lantern, extra batteries.

First Aid Kit with antihistamine

Trauma Kit

Extra clothing(underwear/socks), rain gear, boots, gloves, heavy jacket

ID CARD, vest, hat

Toiletries, baby wipes, TP, Large plastic trash bags, soap, toothbrush, 2 large towels

Sleeping bag, pillows, folding chair, mess kit, tent, cot or mattress, camp stove

Waterproof matches, lighter

Pocket Tool, Swiss Army knife

Ziplock bags

Cup-lid, water jug

100' Nylon cord or PARACORD, Aluminum Foil, Tarp

Sewing kit, safety pins

Rolls of quarters / Dollar bills (for phone calls, vending machines, etc.)

Wristwatch with alarm

Whistle, portable small mirror

Vehicle

Tool box-complete, including a hammer, various screwdrivers, wire cutters, and wire strippers.

Electrical and Duct tape

Jumper cables

Highway flares, light sticks

Large flashlight, area light

Fire extinguisher

Tire jack, ax, folding shovel, rope (100 ft), spare fuses, bucket, hose clamps

FULL TANK OF GAS (Always have at least ½ tank at all times, when disaster strikes gas stations will not be open!)

Operational Procedures

Know how to operate your radio. Bring manual or “Nifty Notes” for others.

LISTEN, LISTEN, LISTEN, before talking.

Listen for your tactical call sign and answer promptly.

Don't leave a net without notifying net control.

USE PLAIN ENGLISH (No CW or CB jargon).

ASK SIMPLE QUESTIONS THAT REQUIRE SHORT SIMPLE ANSWERS

(YES, NO, I DON'T KNOW).

WAIT 5 SECONDS BEFORE RESPONDING ON REPEATERS OR Simplex TO

ALLOW OTHERS TO BREAK IN.

NET CONTROL SHOULD ID THE NET AND THEIR CALL SIGN REGULARLY.

PAY ATTENTION TO WHAT NCS IS SAYING.

Stay off tactical channels for personal messages, jokes, etc.

Keep transmissions as brief as possible, Don't make unnecessary transmissions.

Know how to interrupt the net with the words “EMERGENCY TRAFFIC” if necessary.

Use short simple phrases. 5 words per line spoken slowly at copy and writing speed.

TALK SLOWLY AND DISTINCTLY.

DO NOT ALTER A MESSAGE. YOU ARE NOT AN EDITOR, PASS MESSAGE

EXACTLY AS WRITTEN.

BE EXTREMELY CAUTIOUS ABOUT WHAT YOU SAY, THE MEDIA IS LISTENING!

Don't guess or speculate. It's OK to say “I don't know”.

Answer questions directly, don't explain unless asked.

Allow 3rd parties to use your radio, while you monitor activity.

Shield the microphone from the wind when speaking.

If the repeater fails use Simplex output unless directed elsewhere IF STATION GOES DOWN,

THINK ABOUT ALTERNATIVES. DIFFERENT RADIOS, DIFFERENT BANDS,

UHF, FRS, CB CHANNEL 19, ETC.

There should be TWO operators at every station. One handles traffic, and the other takes notes, logs, and keeps area quiet.

TRADE-OFF FREQUENTLY.

Use headphones or earphones unless others need to listen in

Use a telephone or packet for sensitive messages (deaths, injuries, etc.)

Log all calls on the Activity log

DON'T PANIC! KEEP YOUR VOICE CALM! SAFETY FIRST

Check for electrical hazards.

Clearly mark all antennas, feed lines, guys, and trip hazards with colored tape.

WHAT OTHER SAFETY CONSIDERATIONS ARE CLOSE BY?

Cover positive terminals of large batteries, generators, etc. with insulation/tape.

Employ ANDERSON POWERPOLES as power connectors.

Cover all connectors, electrical, and RF with plastic weather sealant tape if outside.

CHECK FOR SUFFICIENT STATION GROUNDS.

Have a copy of your team's OPS PLAN, and FOG Manual.

AND a list of frequencies for you to use based on the Leader's COMM PLAN.

Copy of your License, and Maps?

Waterproof container (Large Ziplock?) for above.

Large garbage bag for picking up your trash, or use as an extra raincoat?!

Prowords

ADDRESS GROUP	Name, Title, Location. "end of address"
AFFIRMATIVE	Yes, or correct
BREAK	Start and end of the text, or for a pause
CORRECTION	I made a mistake, going back to the last word.
DRILL	For exercise only "THIS IS A DRILL MESSAGE"
EMERGENCY	Highest precedence LIFE/DEATH/MAJOR INJURIES messages
END OF MESSAGE	Said after name in the signature
FIGURES, FIGURES GROUP	Numbers following
I SPELL	ITU Phonics
NEGATIVE	No
OVER	End of my transmission, awaiting response
POINT	Decimal point
PRIORITY	Second highest message precedence
RELAY	Transmit traffic to another station
ROGER	Received and understood
ROUTINE	Lowest message precedence
SAY AGAIN	Repeat
SIGNATURE	Sender of the message "SIGNED"
SPEAK SLOWER	I can't copy that fast
STAND BY	Wait
TEXT	Body of message
UNKNOWN STATION	Please Identify
WELFARE TRAFFIC	Routine traffic about families -usually done by other services
WORD AFTER	To clarify text
WRONG	Incorrect

REMEMBER TO SEND ONLY AS FAST AS YOU CAN WRITE!

ITU Phonetic Alphabet

A	Alpha
B	Bravo
C	Charlie
D	Delta
E	Echo
F	Foxtrot
G	Golf
H	Hotel
I	India
J	Juliet
K	Kilo
L	Lima
M	Mike
N	November
O	Oscar
P	Papa
Q	Quebec
R	Romeo
S	Sierra
T	Tango
U	Uniform
V	Victor
W	Whiskey
X	Xray
Y	Yankee
Z	Zulu

Potential Assignments - South County

Petaluma

Petaluma EOC (Petaluma PD)	969 Petaluma Blvd. North	N38 24.256 W122 63.664
Petaluma Community Center	320 N. McDowell	N38 15.168 W122 37.808
Petaluma Fire Station #1	198 D Street	N38 14.006 W122 38.191
Petaluma Fire Station #2	1001 N. McDowell	N38 15.995 W122 39.452
Petaluma Fire Station #3	831 S. McDowell	N38 14.531 W122 36.767
Petaluma Valley Hospital	400 N. McDowell	N38 15.243 W122 37.899
Petaluma High School	291 Fair Street	N38 13.648 W122 38.796
Petaluma School District Office	200 Douglas	N38 13.758 W122 38.647
Petaluma Airport	601 Sky Ranch Drive	N38 15.464 W122 36.432
Petaluma Marina	781 Baywood Drive	N38 13.915 W122 36.854
Casa Grande High School	333 Casa Grande Road	N38 14.566 W122 35.870
Petaluma National Guard Armory	590 Vallejo Street	N38 14.247 W122 37.669
Kaiser Petaluma Med Office	3900 Lakeville Highway	N38 13.790 W122 35.008
Petaluma Senior Citizens Center	211 Novak Drive	N38 15.175 W122 37.638
Petaluma Corporation Yard	840 Hopper Street	N38 14.039 W122 37.497
Petaluma Sewer Treatment Plant	3890 Cypress Dr.	N38 13.583 W122 35.161
Petaluma City Hall	27 Howard Street	N38 13.913 W122 38.654
Petaluma Jr. High	700 Bantam Way	N38 13.945 W122 39.464
Kenilworth Jr. High	800 Riesling Road	N38 16.447 W122 38.488
Petaluma Bus Yard	993 Lindberg Lane	N38 14.390 W122 37.328
Sonoma-Marin Fairgrounds	175 Fairgrounds Dr.	N38 14.563 W122 37.751
Veterans Memorial Building	1094 Petaluma Blvd. S.	N38 13.606 W122 37.413
Petaluma Salvation Army	721 S. McDowell	N38 14.650 W122 36.919

Cotati

Cotati Eoc (Cotati PD)	203 W. Sierra Ave.	N38 19.393 W122 42.530
Cotati Vets Building	8505 Park Ave.	N38 19.342 W122 42.137
Cotati City Hall	201 W. Sierra Ave.	N38 19.414 W122 42.522
Cotati Corporate Yard	1 Trebino Rd	N38 20.315 W122 43.025
Rancho Adobe Fire #1	1 East Cotati Ave., Cotati	N38 19.617 W122 42.380
Rancho Adobe Fire #2	11000 Main Street, Penngrove	N38 17.712 W122 40.012
Rancho Adobe Fire #3	99 Liberty Road, Petaluma	N38 16.864 W122 42.325

Rohnert Park

Rohnert Park EOC (Rohnert Park PD)	500 City Center Dr.	N38 20.993 W122 42.210
Rohnert Park Community Center	5401 Snyder Lane	N38 20.671 W122 42.180
Rancho Cotati High School	5450 Snyder Lane	N38 20.467 W122 41.095
Rohnert Park Fire North	5200 Country Club Dr.	N38 21.690 W122 41.622
Rohnert Park Fire South	1316 Maurice Ave.	N38 20.102 W122 41.072
Rohnert Park Urgent Care Center	1450 Medical Center Dr.	N38 20.854 W122 40.889
Rohnert Park City Hall	130 Avram Dr.	N38 20.558 W122 42.585
Rohnert Park Senior Citizens Center	6800 Hunter Dr.	N38 20.707 W122 42.473
Rohnert Park Corporate Yard	Enterprise Dr.	N38 20.699 W122 42.043
Sonoma State EOC (Sonoma State PD)	1801 E. Cotati Ave.	N38 20.329 W122 40.710
Sonoma Mountain Village Main Gate	Valley House Dr.	N38 19.289 W122 40.622

Other EOC Locations Within Sonoma County

Sonoma County EOC	600 Administration Drive, Santa Rosa
Windsor EOC (Windsor FPD)	8200 Old Redwood Highway, Windsor
Healdsburg EOC (Healdsburg FD)	601 Healdsburg Ave., Healdsburg
Graton Fire Station EOC (Graton FPD)	3750 Highway 116, Graton
Sebastopol EOC (Sebastopol PD)	6850 Laguna Park Way, Sebastopol
Sonoma EOC (Sonoma PD)	175 First Street West, Sonoma
Bodega Bay Area Command Post	510 Calif. Highway 1
Cloverdale EOC (Cloverdale FD)	415 South Cloverdale Blvd, Cloverdale
Santa Rosa EOC	35 Stony Point Road - Field Ops Bldg.
Santa Rosa Junior College EOC	1501 Mendocino Ave - Pedroncelli Center (Armory Dr.)

ACS Message Form (ICS 213)

1. **TO:** (Name and position)
2. **SUBJECT:** (What it's about)
3. **PRECEDENCE:**
 - Emergency (Life/Death Or Major Injuries May Or Have Occurred)
 - Priority (VERY IMPORTANT-Need right away or soon-help/supplies, etc.)
 - Welfare (Most health and welfare handled by other agencies-perhaps welfare of ACS personnel)
 - Routine (Shift relief-supplies-resource traffic)
4. **TIME/DATE:**
5. **MESSAGE NUMBER:** Consecutively number messages **Tx**=TRANSMIT **Rx**=RECEIVE
6. **OPERATORS INITIALS/CALL:**
- MESSAGE:** TEXT
7. **NAME AND TITLE:** (Who originated this message)
8. **LOCATION:** (Where they are located)
- REPLY:** (TO MESSAGE) -TEXT
9. **REPLY FROM:** (Name-Location-and Position of Person responding)
10. **DATE:** (DATE of reply)

Sonoma Op Area	1. TO: _____ (Name and Position)	4. TIME/DATE: _____
ACS	2. SUBJECT: _____	5. MESSAGE #: _____ Tx Rx
Message Form	3. PRECEDENCE: Emergency Priority Welfare Routine	6. OPERATOR-S INITIALS/CALL: _____
M	_____	
E	_____	
S	_____	
S	_____	
A	_____	
G	_____	
E	_____	
FROM:	7. NAME/TITLE: _____	8. LOCATION: _____
R	_____	
E	_____	
P	_____	
L	_____	
Y	_____	
9. REPLY FROM (Name/Position/Location): _____		10. DATE: _____

Anderson Powerpole – Universal Connectors

ANDERSON POWERPOLES are wide on top with a smaller connector lip on the bottom.

They should be wired side to side with RED to the LEFT and BLACK to the RIGHT when facing their front.

The front is where they interconnect, not where their wires are inserted.

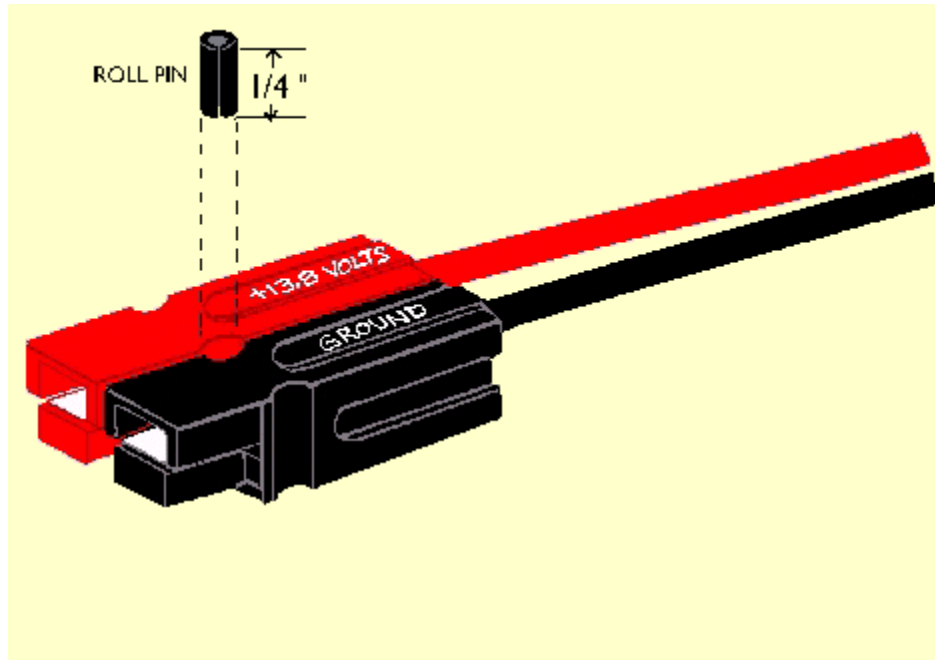
This makes all 12-volt interconnections standard for compatibility and interchangeability.

ALWAYS VERIFY POLARITY BEFORE CONNECTING TO RADIO AND POWER SUPPLIES.

RED goes to the POSITIVE side of the battery, BLACK to the negative side.

ALL radios SHOULD have adequate inline FUSES.

Remember “RIGHT-RED-REAR-DOWN”.



ACS Assignment Form

ACS Assignment Form

Operator Name/Callsign: _____ ACS Unit: _____

Incident Name: _____ Call Date/Time: _____

Dispatched by: _____ Reporting Date/Time: _____

Reporting Location: _____

Incident Number (if any): _____ Request/Mission # (if any): _____

Route Information: _____

En route Frequency/PL: _____ Incident Frequency/PL: _____

Report to (Unit Leader/Supervisor): _____ Shift Time: _____

Tactical Call: _____

Assignment Title/Description: (Radio Operator, EOC Staff, Net Control, Shadow, etc.): _____

Date/Time Left: _____ Beginning Mileage: _____

Date/Time Returned: _____ Ending Mileage: _____

Notes: _____

Other Frequencies

Possible ACS UHF

1.	443.4750	448.4750	K6LNK	Geyserville	CARLA	Coordinated o110.9el local
2.	440.4500	445.4500	K6EAR	Santa Rosa	EARA	Coordinated o88.5
3.	441.3000	446.3000	KV6A	Santa Rosa	SKM	Coordinated o88.5lrs
4.	441.3750	446.3750	W6SON	Santa Rosa	SCRA	Coordinated o114.8es
5.	441.1000	446.1000	WA6FUL	Sebastopol	WA6FUL	Coordinated o192.8ers
6.	441.3750	446.3750	W6SON	Sebastopol	SCRA	Coordinated o88.5ers
7.	443.4250	448.4250	WA6FUL	Sebastopol	Seb CERT	Coordinated o114.8elrs
8.	444.8250	449.8250	WA6TIP	Sebastopol	WA6TIP	Coordinated o131.8
9.	444.9000	449.9000	KF6SZA	Santa Rosa	KF6SZA	Not Coordinated #o88.5es
10.	441.9000	446.9000	W6CO	Calistoga	SARS	Coordinated o151.4ersx
11.	444.1750	449.1750	N6TKW	Calistoga	NARC	Coordinated o151.4el
12.	443.2500	448.2500	K6GWE	Mill Valley	ACS	Coordinated o179.9erx
13.	443.5250	448.5250	K6GWE	San Rafael	ACS	Coordinated o82.5er

Leadership

1. 224.820 R County Leadership
2. 224.960 R Local Leadership
3. 146.910 R TAC prime

Tactical

EOC – 2 OPERATORS

1. 146.730 R TAC PRIME [BACKUPS =(146.910 SX) (146.550SX)]
2. 147.910 R SC TAC PRIME
3. 146.730 R (if requested by county or local leadership)

Logistics Net

1. 145.535 R county logistics (if requested by county or local leadership)
2. 147.495 SX SC Logistics
3. 146.535 SX SC Staging

ATV

1. 223.460 SX
2. 146.460 SX

County

1. 453.025 Sheriff 6 (Kenwood TK-880 Radio)
2. 39.78 R Inter-city LBRICKS Rptr 1 (Alinco DR-6110)

Notes and Special Features:

- # Uncoordinated system
- o Open system
- c Closed system
- e Emergency power
- l Linked or crossband system
- r RACES affiliated
- s ARES affiliated
- x Wide area coverage system