



North Valley Animal Disaster Group Standard Operating Guidelines

Title: RADIO

Objective: To provide clear and precise direction on the proper use of radios

Description:

- Refer to FIREScope for clear-text vocabulary
- Family Radios will not be used behind the fire line
- Location tracking and encryption will be utilized whenever possible
- It is standard procedure to contact the Division Group Supervisor and request permission to enter their Division, unless prior agreements have been reached
- Follow all FCC rules and regulations
- It is advised that all field operatives have separate radio scanning capability

Related Documents Attached:

- 10-code & 11 Code
- California Penal Code
- Clear Text Terminology
- Animal Acronyms
- Glossary of Radio Terms
- Law Enforcement Acronyms
- Phonetic Alphabet
- California Vehicle Code
- Butte County Tone Map

10 Codes

10-1 Receiving Poorly
10-2 Receiving well
10-3 Radio Check
10-4 Message Received
10-6 Busy
10-7 Out of Service
10-8 In Service
10-9 Repeat Last Message
10-10 Off Duty
10-11 Send Back up
10-13 Emergency Back Up
10-15 Prisoner
10-15X Female Prisoner
10-18 Report Information Needed
10-19 Go to Station
10-20 Location
10-21 Phone Call
10-22 Cancel Last Message
10-23 Stand By
10-27 Check License Status
10-28 Check Registration Status
10-29 Check For Warrants / Wants
10-33 EMERGENCY RADIO TRAFFIC ONLY
10-34 Cancel 10-33
10-36 Confidential Information Follows
10-36 A USE CAUTION Suspect has AIDS or other dangerous disease
10-36 M Suspect Has A Misdemeanor Warrant
10-36 F Suspect Has Felony Warrant
10-97 Arriving at Assignment
10-98 Assignment Complete

11 Codes

11-10 Take a Report
11-19 In route to Station
11-41 Ambulance Needed
11-44 Dead Body (either human or animal)
11-55 Suspicious Vehicle
11-57 Suspicious Person
11-48 Provide Transportation
11-80 Accident with Major Injuries
11-81 Accident with Minor Injury
11-82 Accident with Property Damage
11-83 Accident No Details
11-85 Tow Truck Needed
11-98 Meet Officer
11-99 OFFICER IN DANGER, NEED HELP NOW!!!

-----X Signifies a Female Is Involved

These codes are supplied for general interest and while working Mutual Aid. Use Clear Text at all times!

Code 1	Respond at your convenience
Code 2	Priority respond immediately
Code 3	Emergency respond with lights and siren
Code 4	No further assistance needed
Code 5	Stake Out
Code 6	Coffee Break
Code 7	Meal Break
Code 8	Officer's Residence
Code 9	Officer needs immediate backup
Code 33	Emergency radio traffic only
Code Blue	Heart Attack
Beat	Area patrol officer assigned to patrol and answer calls for service
Cite	Citation (ticket)
Crank	Term for Methamphetamine (a.k.a. meth, speed, ice)
Hook	Tow Truck
K-9	Dog
Land Shark	Guard Dog
Wire	Concealed microphone

148(a)(1) Delaying the duties of a peace officer, or EMT
148.9 Providing false information to any peace officer
187 Murder
191.5 Gross vehicular manslaughter
192 Manslaughter
207 Kidnapping
211 Robbery
215 Carjacking
240 Assault
242 Battery
243(e)(1) Committing battery against a person that lives with you.
245 Assault with a deadly weapon
246 Discharge of a firearm at an inhabited dwelling. (Drive-by shooting)
261 Rape
261.5 Unlawful sexual intercourse with a minor
273.5 Domestic violence
415 Disturbing the peace / Fighting
422 Making threats to commit G.B.H., or death
451 Arson
459 Burglary
470 Forgery
487 Grand theft (Theft of money or property more then \$400.00)
488 Petty theft (Theft of money or property of \$399.99 or less)
594 Vandalism
601 Missing person / runaway (This is a Welfare and Institutions Code)
602 Trespassing
647(f) Public intoxication
653m Making obscene or threatening phone calls.
51-50 Person with a mental disability
12020 Possession of illegal weapon
12025 Concealed weapon

Clear Text Terminology

Unreadable	signal received is not clear
Loud and Clear	self explanatory
Affirmative	yes
Negative	no
Respond, Responding	proceeding to an emergency (ex: Engine 4 Responding)
Enroute	proceeding to non-emergency location (ex: Engine 4 enroute Chico)
In Service	proceeding to function (ex: Engine 4 in service for training)
Status	What is your status? What are you doing?
Available	released from current assignment, ready for new assignment.
Available at Scene	committed to incident, available if new emergency dispatched
Committed	not available for dispatch
In Quarters	arrived at, normally followed by location
At Scene	arrived at incident (not on scene)
Out of Service	mechanically out of service
Uncovered	not in service due to lack of personnel
Emergency Traffic	Attention, I have emergency information
Emergency Traffic Only	used by Dispatch to gain control of the frequency
Resume Normal Traffic	cancels "Emergency Traffic Only" declaration
Break	used to switch units you are talking with while not releasing the microphone, or to momentary release the microphone, but still retain the frequency
Can Handle	no other resources are needed (ex: Engine 4 can handle)
Clear	releasing the frequency, finished talking
Copy, copies	acknowledge message received
Disregard	self explanatory
Fire Under Control	self explanatory
Location	What is your location?
Repeat	repeat last transmission
Report on Conditions	what is going on?
Stand By	self explanatory
Stop Transmitting	self explanatory

Do not use: "Roger", "10-4", "Wilco", "5 by 5", or "Out"

Animal Acronyms

AC	Animal Control
ACO	Animal Control Officer
AHA	American Humane Association
AH&FSS	Animal Health and Food Safety Services
ARC	American Red Cross
ARRL	Radio Relay League
AVMA	American Veterinary Association
ASPCA	American Society for the Prevention of Animal Cruelty
BCAC	Butte County Animal Control
BCACAB	Butte County Animal Control Advisory Board
BCSCR	Butte County Sheriff's Communications Reserve
BCFSC	Butte County Fire Safe Council
BCHC	Sutter/Buttes Back Country Horseman of California
BCSO	Butte County Sheriff's Office (Sometimes abbreviated to SO)
BCS&R	Butte County Search and Rescue
Cal-Fire	California Department of Forestry and Fire Protection
CAP	Civil Air Patrol
CARDA	California Rescue Dog Association
CARES	California Animal Emergency Response System
CART	County Animal Response Team
CDF	California Department of Forestry and Fire Protection (old)
CDF&G	California Department of Fish and Game
CDFA	California Department of Food and Agriculture
CEA	Chico Equestrian Association
CERT	Certified Emergency Response Teams
CFD	City of Chico Fire Department
CHP	California Highway Patrol
CSHA	California State Horsemen's Association
CSTI	California Specialized Training Institute
CSUC	California State University Chico
CVMA	California Veterinary Medical Association
DART	Drowning Accident Rescue Team
DART	Disaster Animal Response Team
DOC	Department Operations Center (ex: Public Health)
DSW	Disaster Service Worker
DSWVP	Disaster Service Worker Volunteer Program
EARS	Emergency Animal Rescue Services (UAN)
ECC	Emergency Command Center (Cal-Fire in Butte County)
EOC	Emergency Operating Center
EMS	Emergency Medical Services
ESN	Emergency Service Number
ESO	Emergency Service Officer

FCC	Federal Communications Commission
FRS	Family Radio Service
FEMA	Federal Emergency Management Agency
FTC	City of Chico Fire Training Center
GEARS	Golden Empire Amateur Radio Society
GIS	Geographical Information System
GRMS	General Mobile Radio Service
HSUS	Humane Society of the United States
HT	Handheld Transceiver (handheld two-way radio)
IAP	Incident Action Plan
IC	Incident Commander
ICP	Incident Command Post
ICS	Incident Command System
IFAW	International Fund for Animal Welfare
IO	Information Officer (same as PIO)
LAST	Locate, Assess, Stabilize, Transport
LCES	Lookout, Communications, Escape Route, Safety Zone
LKP	Last Known Position
MAU	Lake Oroville Mounted Assistance Unit
Mobile	Vehicle Two-way Radio
NART	National Animal Response Team
NCO	Net Control Operator
NEMS	National Emergency Management System
NIMS	National Incident Management System
NGO	Non-Governmental Organization
NVADG	North Valley Animal Disaster Group
NVVMA	North Valley Veterinary Medical Association
OA	Operational Area
OARS	Oroville Amateur Radio Society
OEM	Office of Emergency Management (often synonymous with OES)
OES	Office of Emergency Services
OFD	Oroville Fire Department
Ops	Operations
PASH	Paradise Animal Shelter Helpers
PAWS	Promotion of Animal Welfare
PETA	People for the Ethical Treatment of Animals
PFD	Paradise Fire Department
PHA	Paradise Horseman's Association
PLB	Personal Locator Beacon
PLS	Place Last Seen
POA	Probability of Area
POD	Probability of Detection
PIO	Public Information Officer
PSAP	Public Safety Answering Point

PTT	Push to Talk
RACES	Radio Amateur Communications Emergency System
REOC	Regional Emergency Operations Center
RIMS	Response Information Management System
RP	Reporting Party
SART	State Animal Response Team
SAR	Search and Rescue
SCBA	Self Contained Breathing Apparatus
SCR	Sheriff's Communications Reserve
SEMS	Standardized Emergency Management System
SOC	State Operations Center
SOG	Standard Operating Guidelines
SOP	Standard Operating Procedures (Sometimes abbreviated as OP)
UAN	United Animal Nations
USAR	Urban Search and Rescue
VMAT	Veterinary Medical Assistance Team
VOX	Voice Activated
YSDADA	Yuba/Sutter Domestic Animal Disaster Assistance

Glossary of Radio Terms

ARES (Amateur Radio Emergency Service): ARES is a public-service organization of the ARRL.

ARRL (The American Radio Relay League): The National Association for Amateur Radio in the US. Golden Empire Amateur Radio Society (GEARS) is the local chapter.

Band: A band is a section of the Radio spectrum. Bands have been allocated for police, fire and ambulance services. Bands are often described by using an approximate wavelength for example the 144-148 MHz Amateur band is approximately 2 meters in wavelength so it is called the 2 meter band.

Currently:	Wide Band	25 Hertz
In 2007:	Narrow Band	12.5 Hertz
In 2013:	“Project 25”	6.25 Hertz

The RADIO determines whether you are transmitting Narrow Band, not the frequency!

Bandwidth: Frequency needed for particular type of emission.

Battery Pack: Generic term for portable power supply for radios.

Rechargeable: Ni-Cd (Nickel-Cadmium) or Ni-MH (Nickel-Metal Hydride)

Clamshell: term for the King Radio battery pack that holds 9 AA batteries

Battery Saver: Minimizes power consumption for extra talk-time.

Call sign: Sequence of letter and numbers used to identify radio operators and issued by the FCC.

Carrier: An unmodulated transmitted signal.

Carrier frequency offset (Carrier Shift): Distance between mark and space of the carrier for RTTY or similar communications.

Channel: Sequence of memory positions where frequency and related information is stored.

CTCSS (Continuous Tone Coded Squelch System): Adds a continuous sub-audible low frequency tone to the transmitted carrier. Receivers set for the same low frequency tone can decode signal. This is also known as Private Line or Channel Guard depending upon radio manufacturer. This is a simple tone system that minimizes disturbance from co-channel sharers, as only calls intended for your group are heard. This greatly reduces operator fatigue and confusion arising from irrelevant messages. The Private Line (PL) tone can be different on each channel, giving extra communications flexibility.

DTCS (Digital Tone Coded Squelch): A Selective call system

DTMF (Dual Tone Multi-Frequency): Used for transmit/receive numeric information such as phone number, PIN, remote radio control commands etc.

Duplex: An operation mode in which the transmit and receive frequencies are different.

Frequency: The number of repetitions that a wave makes per second. In Radio usage this refers to the frequency of the wave that acts as a carrier for the audio (the sound you can hear) signal. The measurement units of frequency are cycles per second, which are known as Hertz.

Interoperability: The ability of two or more different frequencies, bands, systems or components to exchange information and to use the information that has been exchanged.

Memory bank: A set of memory channels organized into a group.

PTT: (Push To Talk)

Priority Channel Scan: User-programmable Priority Channel Scan gives the radio operator the ability to program a list of channels to be scanned, from the keypad. Two channels of increased importance, for example a security and Community Repeater channel, may be designated as priority 1 and priority 2 channels within the scan list, and monitored more frequently.

Radio Designator: Title used while using the radio. Either issued permanently or temporarily during an assignment.

RX (Receive)

Repeater Operation: A non-audible calling tone is automatically emitted from the radio of the transmitter alerting the repeater of a call. The repeater then resends your message on a different frequency, usually at a higher power. Repeaters are usually located on tall prominent points. The term "hit the repeater" or "open the repeater" is used to signify that you have activated the repeater.

Scan: Continually sweeping frequencies looking for signals. The user can program a series of channels into predefined scan lists. Channels can also have priority levels assigned to them. This means that important messages can be received even if the user is engaged on another conversation.

Simplex: An operation mode where the transmit and receive frequency is the same.

TOT (Time Out Timer): Time limiting function for continued repeater or other operations.

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VFO (Variable Frequency Oscillator): An operation mode in which operator can change frequency freely.

VHF: Very High Frequency includes the 144.000 - 148.000 MHz ranges. (30–300 MHz ranges signal.)

UHF: Ultra High Frequency includes the 430 - 450 MHz ranges.

VOX (Voice Operated transmission): A function that automatically puts the transmitter in transmit when the operator talks into a microphone.

Wavelength: The length of a wave from one crest to the next usually measured in meters. In Radio usage this refers to the wavelength of the wave that acts as a carrier for the audio (the sound you can hear) signal.

Law Enforcement Acronyms

A.D.W. Assault with A Deadly Weapon
A.K.A. Also Known As
A.O.D. Assist Another Department
B.A. Burglar Alarm
B.A.C. Blood Alcohol Content
B & E Breaking and Entering (Not Normally Used anymore, see Burglary)
B.O.L. Be On the Lookout (for), also B.O.L.O.
C.A.D. Computer Aided Dispatching
C.C.W. Carry Concealed Weapon (permit)
C.H.P. California Highway Patrol ("Chippy")
C.L.E.T.S. California Law Enforcement Telecommunication System (Statewide computer data base to check for active warrants, stolen property, license status, and restraining orders.)
C.O.N. Call of Nature (bathroom break)
C.V.C. California Vehicle Code (V.C.)
C.P. Command Post
C.R.A.S.H. Community Resources Against Street Hoodlums (former LAPD anti-gang team)
C.Y.A. California Youth Authority / Cover your @\$
D.O.A. Dead On Arrival
D.O.B. Date of Birth
D.O.J. Department of Justice
D.L. Driver's License
D.P.S. Department of Public Safety
D.U.I. Driving Under the Influence
D.W.I. Driving while intoxicated (no longer used see DUI)
E.M.T. Emergency Medical Technician (Paramedic)
E.O.W. End of Watch (date of death or off duty)
E.P.O. Emergency Protection Order (Emergency Restraining Order)
E.T.A. Estimated Time of Arrival
F.I. Field Interview / Field Interrogation
F.L.I.R. Forward Looking InfraRed (A device used to "see" heat rather than light)
F.S.T. Field Sobriety Test
F.T.A. Failure to Appear (in court)
F.Y.I. For Your Information
G.B.H. Great Bodily Harm
G.B.I. Great Bodily Injury
G.O.A. Gone On Arrival
G.S.W. Gun Shot Wound
G.T.A. Grand Theft Auto (Not used officially anymore. See 10851 CVC)
H.B.D. Has Been Drinking (alcohol)
H & S Illegal Narcotics / Drugs (refers to the Health and Safety portion of California Law)
I.C.C. Incident Command Center
M.O. Method of Operation (the way a person usually does things)
M.V.A. Motor Vehicle Accident

N.C.I.C. National Crime Information Center (Computer database similar to CLETS except it is on the nationwide level)
O.C. Oleoresin Capsicum (pepper spray)
O.I.C. Officer In Charge
P.A.S. Preliminary Alcohol Screener
P.C. Penal Code / Probable Cause
P.I.T. Maneuver Pursuit Intervention Technique
P.N.O. Planned Non Operation (of motor vehicle)
P.O.P. Team Problem Orientated Policing (Usually an anti-gang team)
R.O. Registered Owner
R.P. Reporting Person
S.W.A.T. Special Weapons And Tactics
T.A. Traffic Accident
T.C. Traffic Collision
UTL Unable to Locate
V.C. Vehicle Code (CVC)

Phonetic Alphabet

NATO, International, Aviation, Fire

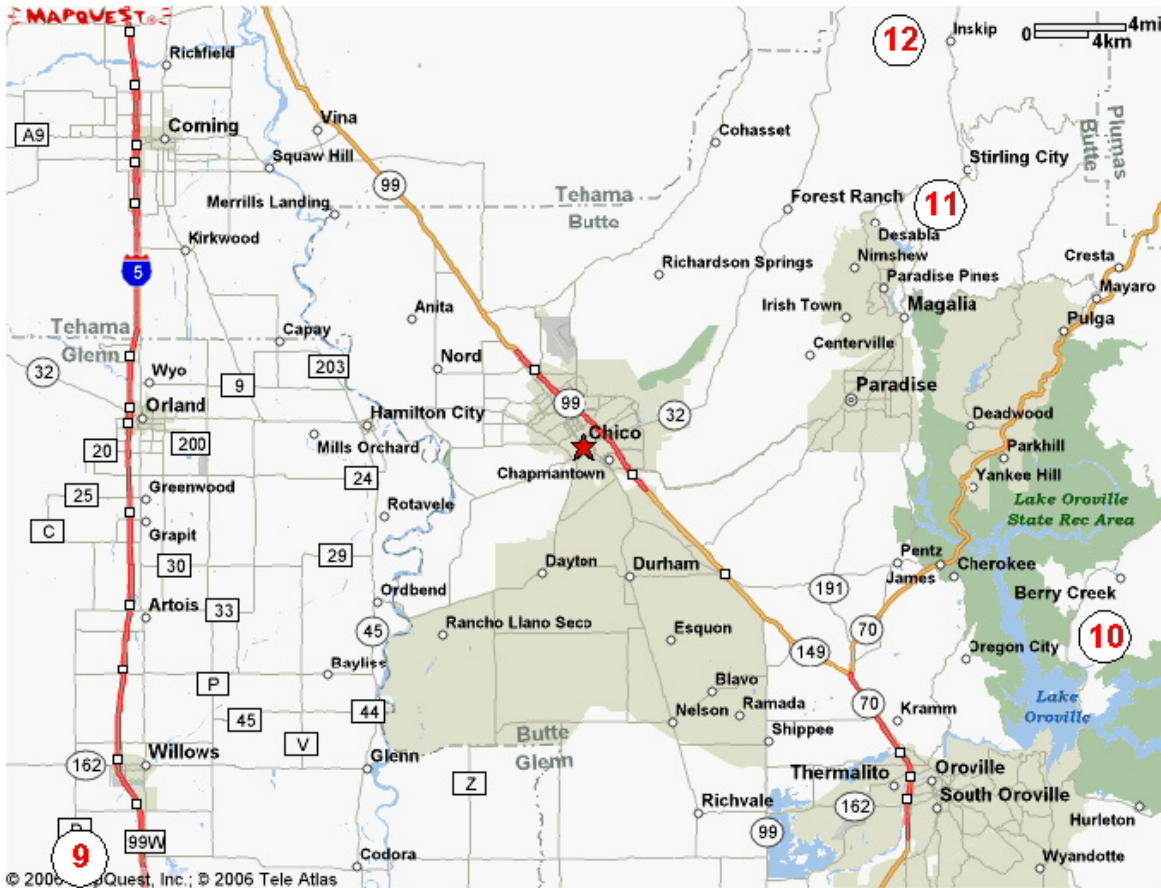
A – Alpha	0 - Zero
B – Bravo	1 - Wun (One)
C - Charlie	2 - Two
D – Delta	3 - Tree (Three)
E - Echo	4 - Fower (Four)
F - Foxtrot	5 - Five
G - Golf	6 - Six
H - Hotel	7 - Seven
I - India	8 - Ait (Eight)
J - Juliet	9 - Niner (Nine)
K – Kilo	
L - Lima	
M - Mike	
N - November	
O - Oscar	
P - Papa	
Q - Quebec	
R - Romeo	
S - Sierra	
T - Tango	
U – Uniform	
V - Victor	
W - Whiskey	
X - X-ray	
Y - Yankee	
Z – Zulu	

California Vehicle Code

2800.1 Evading peace officer
4000(A) No evidence of vehicle registration
10851 Vehicle theft
12500(a) Driving without a valid license
12500(b) Driving a motorcycle without proper license
12951 Driving without license in possession
14601(a) Driving with a suspended license
16028 Failure to provide proof of insurance
20001 Hit and run with death or injury
20002 Hit and run with property damage
21212 Bicycle rider under 18 required to wear approved helmet
21461 Must obey sign
21462 Failure to obey posted sign
21806 Drivers must yield right of way to emergency vehicle with emergency light activated.
22348(b) Exceeding 100 MPH
22349 Exceeding maximum posted speed limit
22350 Exceeding safe speed for conditions / posted
22400 Driving so slowly as to block normal flow of traffic
22450 Must stop at stop sign
23103 Reckless Driving
23109(c) Exhibition of speed or power
23116 No passengers allowed in cargo area of open pick up truck, unless properly restrained
23117 Animals must be restrained in cargo area of pickup truck.
23136 Minor driving with BAC greater than .01 percent measured by a PAS
23140 Minor driving with a BAC greater than .05 percent

23152 Driving under the influence of drugs or alcohol
23153 Driving under the influence of drugs or alcohol and causing injury, or death
24400 Headlight out
24409(a) Must dim high beams to on coming traffic
24600 Must have (2) RED taillights one on right and one of left. (Not allowed to have clear lens with red bulb)
24603 Must have (2) RED brake lights activated when brake pedal is pressed.
26710 Windshield must be free from obstructions (cracks, hanging ornaments etc.)
27007 Forbidden to have audio sound level able to be heard more then 50 feet from vehicle. (Emergency vehicles exempt)
27315 Mandatory seatbelt law

Butte County Radio Repeater Tones



- 9** Mount Saint John: Tone 9 (100.0)
- 10** Sunset Hill: Tone 10 (107.2)
- 11** Bald Mnt: Tone 11 (114.8)
- 12** Colby Mountain: Tone 12 (127.3)