

VERSION 09 /09 / 2016 (K6PDS REVISED WORKING DRAFT) PUBLIC DISTRIBUTION 73 K6PDS
SHINGLETOWN EMERGENCY RADIO. (SOURCE: SHASTA EMERGENCY RADIO NETS / SOKERRT NET/ SCRIPT)
LEVEL 1 - INFORMATION GATHERING SMOKE ALERT PROCEDURE
FOR CURRENT COPY GO TO: <http://www.shastadefense.com/ShastaEmergencyRadio.htm>
FIELD TEAM OUTLINE in process. TONE SOURCE FOR RPTRs added.
THIS IS NOT 911 – IF YOU HAVE AN EMERGENCY DIAL 911

FORMAT SCRIPT 030–SMOKE ALERT OUTLINE

*****NOTE: IF this is a DRILL – be sure and state - “This is a drill – there is no emergency”
during exercise!!**

**NOTE: PROCEDURE BELOW IS GENERALLY FOR ACTIVATING SMOKE ALERT WHEN YOU
SMELL SMOKE FROM A PREVIOUSLY UNKNOWN SOURCE.**

**HOWEVER, IF YOU SEE A FIRE, AND ARE UNABLE TO REPORT IT USING A TELEPHONE /
CELL PHONE, THEN USE THE SMOKE ALERT TONE AND ADVISE “EMERGENCY –
STRUCTURE FIRE / VEGITATION FIRE, ETC... – ANY STATION PLEASE CALL NOW” – ASK
THE STATION RESPONDING TO IMMEDIATELY RELAY THE CALL TO 911 (GIVING THE
INFORMATION ON FORMAT TANGO 4. If someone not on frequency, then YOU ROLL
THROUGH THE FREQUENCY PLAN (I.E., 146.760 – PL 107.2 RPTR ; 146.640 - PL 88.5 RPTR;
146.505 SIMPLX; ALERT FREQ. FOXTROT 1) UNTIL YOUR REACH SOMEONE TO ANSWER
YOUR CALL!**

**ALL STATIONS USE FORMAT TANGO 4 TO RECORD SMOKE REPORTS
A-FMT Script 031 – Smoke Alert Map Symbols**

**Format Mike 5 – Alert Frequency – restricted distribution.
Format Mike 6 – Field – restricted distribution.**

**NOTE: IF SOMEONE KNOWS THE LOCATION OF A FIRE, THEN NET CONTROL / RELAY
CONTROL TAKES THE INFORMATION AT ANY POINT IN PROCESS – USE COMMON SENSE.**

STEPS TO BE COMPLETED BY NET CONTROL AND RELAY STATIONS

Steps 1 through 9 To be done for all Nets

Steps 10 through 13 are to be done for SIMPLEX Nets Only

Step 14 is for REPEATER Nets Only

Steps 15 through 19 To be done for all Nets.

CHECK OFF - WHEN EACH STEP DONE

- STEP 1.** NET CONTROL STATION (NCS) - BEFORE STARTING, CONFIRM AVAILABILITY OF FREQUENCY FOR NET AND SELECT THE FREQUENCY. **COMPLETE BELOW TABLE AND REFER TO IT DURING SMOKE REPORT NET.**

MASTER TABLE – REFER TO DURING NETS.

FREQUENCY SELECTION FOR SMOKE CHECK NET AND TONES YOU CAN USE [MAKE SURE FREQUENCY AVAILABLE / RPTR WORKING, ETC...] [PICK WHAT WORKS ON YOUR RADIO FOR THE SPECIFIED FREQUENCY]						
Your Radio Ch. ID.	CHECK BOX FOR FREQ. YOU CHOOSE FOR NET!		FREQUENCY	DEPEND ON FREQUENCY YOU SELECT		
	✓ if USED FOR SMOKE NET	✓ if NOT USED FOR NET		DTMF [SEND #9 #1 SEQUENCE] [SEND 4 TO 5 TONE BURSTS] 1 SECOND EACH	1750 Hz Tone [SEND 4 TO 5 TONE BURSTS] 1 SECOND EACH	ALERT TONE RECORDING, OR DEVICE [SEND 4 TO 5 TONE BURSTS] 1 SECOND EACH
	NO	✓	FOXTROT 1 For ALERT ONLY	YES	YES	YES
			146.760 - PL107.2 RPTR Alpha 1	NO	YES	YES
			146.640 - PL 88.5 RPTR Alpha 2	NO	YES	YES
			146.505 SIMPLX Alpha 3	YES	YES	YES

[See Note: 1 (Activation); NOTE 2 (IF REPEATER IS NOT WORKING – REVERSE) ; and NOTES 5, 6, 7].

CONTROL STATIONS:				
CALL SIGN	NCS	TACTICAL "NET CONTROL"	-----	-----
-----	RELAY STATIONS	-----	-----	SUB RELAYS
CALL SIGN	LOCATION	TACTICAL (eg., "viola relay")		CHECK HAD IF SUB RELAYS

STEP 2. NCS ACTIVATES THE SMOKE ALERT NET AS FOLLOWS:

MAKE BELOW ANNOUNCEMENT ON ALL OF THE FOLLOWING FREQUENCIES:

Your Radio Ch. ID.	✓ CHECK OFF WHEN DONE:
	ALERT FREQ. FOXTROT 1
	146.760 - PL107.2 RPTR Alpha 1
	146.640 - PL 88.5 RPTR Alpha 2
	146.505 SIMPLX Alpha 3

THE ANNOUNCEMENT YOU ARE TO MAKE IS AS FOLLOWS

[STATE 1 TIME ON EACH OF ABOVE FREQUENCIES]:

FIRST YOU SEND TONE - SEE ABOVE TABLE

NEXT YOU SAY: [IF DRILL SAY - 'THIS IS A DRILL'] - then say
• "Smoke Alert Activated Station Operators OBTAIN SMOKE REPORT DATA FOR YOUR LOCATION. GO TO THE DESIGNATED NET FREQUENCY OF

[INSERT - SMOKE CHECK FREQUENCY]

and wait for Net Control or Relay Station [your call sign} CLEAR".

STEP 3. NCS QSY to Smoke Check Frequency.

STEP 4. WITHIN 2 MINUTES OF ALERT ACTIVATION [See Note 3].

ANY STATION OPERATOR STARTS the NET IF NCS DOESN'T SHOW UP.

- Ask – Does any Station See a Fire or Smoke / any relay
- Advise All Stations to stand by.

[Set up relay stations and stand by message (below) BEFORE taking smoke reports]

STEP 5. NCS ASKS ANY STATIONS who are the farthest out (and/or best coverage, etc...), with STRONG signal(s) TO ACT AS A RELAY STATION(s) for Net Control.

[YOU MIGHT ASK FOR ANY STATIONS IN THE VIOLA AREA / AIRPORT ROAD AREA, ETC... GOAL = ALL AREAS COVERED]

STEP 6. NCS ASSIGNS TACTICAL CALL SIGNS TO RELAY STATION(S).
E.G., “viola relay”, “Mccomber Relay”, “Redding Relay”, etc...)

STEP 7. Stand By MESSAGE [See Note 6]:

NCS ADVISES ALL STATIONS TO STAND BY FOR RELAY STATIONS.

NCS Requests EACH SPECIFIC RELAY STATION To (NOTE: EACH RELAY STATION DOES THIS AT A DIFFERENT TIME to avoid interference):

ANNOUNCE ON SMOKE CHECK FREQUENCY (and YOU ARE ON IT)

The Standy By Message – sample exchange:

• NC : “__ viola__ RELAY, NET CONTROL”

RELAY: “GO AHEAD”

NC : “PLEASE ADVISE ALL STATIONS THAT DO NOT COPY NET CONTROL OR OTHER RELAY STATION, THAT SMOKE REPORT NET IN PROGRESS AND TO STAND BY, over”

RELAY: “NET CONTROL, __ VIOLA __ RELAY, WILCO, OUT”

RELAY: “THIS IS [_e.g., “Viola”____ RELAY], SMOKE REPORT NET IN PROGRESS. ALL STATIONS NOT COPYING NET CONTROL OR OTHER RELAY STATION PLEASE STAND BY”. “Back to Net Control” “_viola__ RELAY OUT”] “[CALL SIGN].

NC: “ROGER”

STEP 8. RELAY STATIONS SMOKE ALERT ACTIVATION [see Notes 5, 7]:

NCS – ADVISE ALL STATIONS TO STAND BY.

**NCS REQUESTS EACH RELAY STATION
[IN ROTATION to avoid interference]
TO MAKE SMOKE ALERT ACTIVATION ON THE
NON USED 3 FREQUENCIES:**

Explanation:	Your Radio Ch. ID.	✓ CHECK OFF WHEN DONE:
Freq. NOT USED FOR NET		ALERT FREQ. FOXTROT 1
2 OF THESE WILL NOT BE USED FOR NET		146.760 - PL107.2 RPTR Alpha 1
		146.640 - PL 88.5 RPTR Alpha 2
		146.505 SIMPLX Alpha 3

Relay station(s) to do Tone and Message on:

- **ALERT FREQUENCY** and
- **The TWO (2) NOT USED FREQUENCIES.**

WHAT RELAY STATIONS ARE TO SAY – [1 time on each Freq.]:

FIRST YOU SEND TONE - SEE ABOVE TABLE (at page 2)

NEXT YOU SAY: [IF DRILL SAY – ‘THIS IS A DRILL’]:

- **“Smoke Alert Activated, Station Operators OBTAIN SMOKE REPORT DATA FOR YOUR LOCATION. GO TO THE DESIGNATED NET FREQUENCY OF [INSERT - SMOKE CHECK FREQUENCY]**

and wait for Net Control or Relay Station [your call sign] CLEAR”.

DURING ABOVE, NCS CONDUCTS SMOKE CHECKS FOR ALL STATIONS THAT CAN COPY NCS WHILE ABOVE STEP IS BEING DONE BY RELAY STATIONS, [SINCE RELAY STATIONS ARE ON DIFFERENT FREQUENCIES].

At such time as a field team may be necessary to look for smoke in a particular sector, NCS ESTABLISHES FIELD OPERATION NET(S) (SEE END OF SCRIPT FOR STEPS.

STEP 9. When RELAY STATION(S) DONE, THEY QSY TO SMOKE CHECK FREQUENCY , CHECK BACK WITH NCS (DO ASAP) AND ADVISE

“SMOKE ALERT ACTIVATION MESSAGES COMPLETED. (see Note 5).

[STEPS 10 THROUGH 13 - USE ONLY IF NET ON *SIMPLEX 146.505*]

STEP 10. If NET on SIMPLEX (i.e., 146.505) NCS is to:

NCS CONTINUES TAKING SMOKE REPORTS FROM STATIONS THAT CAN COPY NCS [see Drafters Note 4]

**(AND AT EVERY 2 MINUTES) (USE TIMER) [See Note 6]:
NCS Requests EACH RELAY STATION (AT DIFFERENT TIME) To:
ANNOUNCE ON SMOKE CHECK FREQUENCY the STAND BY Message:**

The Standy By Message – sample exchange:

•NCS : “__ viola__ RELAY, NET CONTROL”

RELAY: “GO AHEAD”

NCS : “PLEASE ADVISE ALL STATIONS THAT DO NOT COPY NET CONTROL OR OTHER RELAY STATION, THAT SMOKE REPORT NET IN PROGRESS AND TO STAND BY, over”

RELAY: “NET CONTROL, __ VIOLA __ RELAY, WILCO, OUT”

RELAY: “THIS IS [_e.g., “Viola”__ RELAY], SMOKE REPORT NET IN PROGRESS. ALL STATIONS NOT COPYING NET CONTROL OR OTHER RELAY STATION PLEASE STAND BY”.

“**Back to Net Control**” “_viola_ RELAY OUT”] “[CALL SIGN].

NCS: “ROGER”

STEP 11. RELAY STATION(S) TAKE SMOKE REPORTS [See and Note 4].

NCS, REQUESTS EACH RELAY STATION (AT DIFFERENT TIMES) TO Request SMOKE REPORTS FROM ANY STATION WHICH WAS NOT ACKNOWLEDGED BY NET CONTROL OR ANY RELAY STATION:

• **Sample Exchange:**

NCS : “All stations, stand by for Relay Station.

___viola___ relay, Net Control.

RELAY STATION: “go ahead”

NCS : “please REQUEST SMOKE REPORTS FROM ANY STATION NOT
ACKNOWLEDGED BY NET CONTROL OR ANY RELAY STATION,
AND
THEN RELAY TO NET CONTROL, OVER”

RELAY STATION: “Net Control, ___ viola ___ relay. WILCO, OUT.

Relay station then TAKES SMOKE REPORTS ...
SEE: FORMAT SCRIPT - TRAINING SCRIPT 201- SMOKE REPORTS
[RELAY OF SMOKE REPORTS]

EACH RELAY STATION RECORDS THE REPORTS ON FORMAT TANGO 4.

During RELAY SEGMENT,

• EACH RELAY STATION is to **ASK** for relays from stations which have made reports to that RELAY STATION as to any station they are aware of that was not acknowledged by Net Control or any Relay Station.

• Example: - “ARE THERE ANY SMOKE REPORT RELAYS from stations not acknowledged by Net Control or Relay Station?”

• [NOTE: RECORD EACH SUB RELAY (e.g., w6XYZ relayed through yb7abc) ON FORMAT TANGO 4 SO THAT WHEN THE RELAY STATIONS CLOSE DOWN, THE SUB RELAY STATION MAY BE ADVISED OF NET CLOSING through its sub relay]

STEP 12. RELAY OF SMOKE REPORTS TO NCS:

EACH RELAY STATION WILL RELAY ITS SMOKE REPORTS [and “relays through”] TO NET CONTROL.

STEP 13. NCS REQUESTS THAT EACH RELAY STATION SUB RELAY STATION CLOSE DOWN -

[And to relay to sub relay stations that the Smoke Net is Closed].

• EACH RELAY STATION CLOSSES DOWN AND ADVISES NCS THAT IT HAS CLOSED DOWN ALL

SUB RELAYS AND
CLOSED DOWN AS RELAY STATION.

• e.g., “NET CONTROL, ___ VIOLA ___ RELAY AND ALL SUB RELAYS HAVE CLOSED. [CALL SIGN] OUT.”

[*STEP 14 - USE ONLY IF NET ON REPEATER *]

STEP 14. If NET on REPEATER FREQ

(I.E., 146.760 – pl 107.2 OR 146.640 – pl 88.5):

NCS CONTINUES WITH REQUESTING SMOKE REPORTS FROM STATIONS.
[See Drafter's Note 4]

NCS, REQUESTS EACH RELAY STATION (AT DIFFERENT TIMES) TO Request SMOKE REPORTS FROM ANY STATION WHICH WAS NOT ACKNOWLEDGED BY NET CONTROL OR ANY RELAY STATION:

• **Sample Exchange:**

NCS : "All stations, stand by for Relay Station.

___viola___ relay, Net Control.

RELAY STATION: "go ahead"

NCS : "please REQUEST SMOKE REPORTS FROM ANY STATION NOT
ACKNOWLEDGED BY NET CONTROL OR ANY RELAY STATION,

AND

THEN RELAY TO NET CONTROL, OVER"

RELAY STATION: "Net Control, ___ viola ___ relay. WILCO, OUT.

Relay station then TAKES SMOKE REPORTS ...
SEE: FORMAT SCRIPT - TRAINING SCRIPT 201- SMOKE REPORTS
[RELAY OF SMOKE REPORTS]

EACH RELAY STATION RECORDS THE REPORTS ON FORMAT TANGO 4.
AND
RELAYS REPORTS TO NCS.

NCS REQUESTS ANY RELAYS [See Drafter's Note 4]

NCS REQUESTS EACH RELAY STATION TO CLOSE DOWN.
And to relay to any sub relay stations that the Smoke Net is Closed.

EACH RELAY STATION CLOSES DOWN AND
ADVISES NCS THAT IT HAS CLOSED DOWN ALL

SUB RELAYS AND

CLOSED DOWN AS RELAY STATION.

• e.g., "NET CONTROL, ___ VIOLA ___ RELAY AND ALL SUB RELAYS HAVE
CLOSED. [CALL SIGN] OUT.

FOR SIMPLEX OR REPEATER, CONTINUE BELOW

STEP 15. NCS CLOSES THE SMOKE REPORT NET.

STEP 16. NCS REVIEWS ALL SMOKE REPORTS.

[NCS MAY WANT TO CONTACT ANOTHER KNOWLEGABLE STATION TO DISCUSS
REPORTS TO FORM A CONSENSUS OF RESULTS].

STEP 17. NCS POSTS ALL REPORTS TO MAP.

STEP 18. NCS CALLS 911 – ADVISES SMOKE REPORT INFORMATION IS AVAILABLE
AND REQUESTS CALL BACK.

STEP 19. NCS DELIVERS [OR HAS ANOTHER STATION OPERATOR DELIVER] THE
MAP TO LOCAL CAL FIRE STATION.

NOTE: THIS MAY REQUIRE RELAY OF ALL REPORTS TO ANOTHER OPERATOR WHO THEN
POSTS TO MAP AND DELIVERS MAP. Example: NECESSARY WHEN HARD ROAD BLOCK
BETWEEN NET CONTROL AND CAL FIRE STATION.

IT IS SUGGESTED THAT STATIONS MONITORING ALSO MAP THE REPORTS TO SAVE TIME IN
CASE ANOTHER STATION IS REQUESTED TO DELIVERY MAP TO CAL FIRE.

FIELD OPERATION NET - TO DO.

TO INSERT OUTLINE OF STEPS – below rough draft

Rough draft of points.

-area of interest

-ask for stations to act as Field and Truck

-assign field ops net frequencies (channel ID only over air)

-have field ops QSY and start field net

Field Net:

ETA of Truck []

**When arrive location, smoke report, direction of travel, start OD miles (last
3 digits.), time.**

When Truck moves “ truck ... moving, out”

At new location – OD reading, smoke report, time

Field records information.

**Field relays information to Net Control (will merely make call into NET
Control at any time)**

If Truck takes another road

“Truck [] changing direction, street X street, direction travel, OD miles, time

If not able to make radio contact go back to last position had contact.

Truck to check into Field at least every 10 minutes (or more often if necessary).

If see fire call 911 (if can) if can't get relay , then advise Net Control.

Truck returning to home base – ETA,

When arrive – advise of arrive “all secure” “operation concluded”, time.

Field closes net, returns frequency to normal use.

Field reports into Net Control.

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-End of Script- Drafting Notes Follow

DRAFTING NOTES:

1. SMOKE ALERT ACTIVATION:

- (SEE FORMAT MIKE 5 – CRITERIA, ETC...):

- (SEE FORMAT SCRIPT–ALERT FREQUENCY: SMOKE ALERT PROCEDURE SHINGLETOWN AREA

Tones are sent first. That way operator is not fumbling between voice, tone and back to voice.

Also, message is stated 1 time. Say slowly in order to catch stations scanning. If station didn't copy entire message, operators are to automatically go through the Frequency Plan and find the Smoke Net.

2. IF A REPEATER IS NOT WORKING (E.G., NO TAIL, OR REPEAER IS SENDING OUT A CONSTANT AND/OR PULSING TRANSMISSION – THEN GO TO REVERSE ON THAT REPEATER AND MAKE THE ABOVE STATEMENT. On 760 repeater, you may need to use TSQ of 146.20 to reach radios with TSQ on input (such radios only hear transmissions from repeater due to the TSQ). YOU ARE NOW USING SIMPLEX AND OTHER STATIONS MONITORING THAT REPEATER (IF THEY ARE IN SIMPLEX RANGE) MAY HEAR YOU ON THE REPEATER OUTPUT FREQUENCY).

DO NOT CONDUCT A NET ON A NON WORKING REPEATER – USE FORMAT NOVEMBER BLOCK 1 (I.E., GO TO THE OTHER DESIGNATED WORKING REPEATER OR SIMPLEX FREQUENCY 146.505).]

3. At minimum, make a QST as to SMOKE REPORT NET ACTIVATED and request stations to stand by and make observations at their location. IF NET CONTROL NOT ON FREQUENCY WITHIN 2 MINUTES – SOMEONE STARTS THE NET. “Regular” Net Controls may later take control, if necessary – but someone must START and ESTABLISH RELAY STATIONS AND CONTINUE WITH THIS CHECK LIST.

[see FORMAT SCRIPT - TRAINING SCRIPT 101- SMOKE REPORTS [for intake of smoke reports]

4. [SEE FORMAT SCRIPT - TRAINING SCRIPT 101- SMOKE REPORTS [for intake of smoke reports]

[SEE: FORMAT SCRIPT- RAINING SCRIPT 201- SMOKE REPORTS [RELAY OF SMOKE REPORTS]

5. DRAFTER'S NOTE 5: SET UP AT LEAST ONE RELAY STATION (FOR BOTH SIMPLEX AND REPEATERS). IT IS TRUE THAT WITH REPEATERS, RELAY IS GENERALLY NOT NECESSARY. HOWEVER, THE FACT IS THAT IF A STATION INITIATING THE ALERT HAS A POOR LOCATION RELATIVE TO THE REPEATER, NOTIFICATION THROUGH THAT REPEATER MAY NOT BE HEARD AND/OR NOT READABLE. IN SUCH SITUATION, ANOTHER STATION SHOULD ASSUME NET CONTROL. ALSO, SOMEONE MAY NOT HAVE OFFSET IN RADIO AND IS THUS TRANSMITTING ON THE REPEATER OUTPUT (SIMPLEX) AND TRYING TO GIVE SMOKE REPORT. During drill (6/2016) this occurred, and Relay station picked up a station that NCS didn't hear because the station was not going through the repeater. Further, the primary station may have its radio stop working and/or dead battery.

THE GOAL IS TO GET EVERYONE TO THE DESIGNATED FREQUENCY. SO, WE DO WHAT WE HAVE TO – EVEN THOUGH OPINIONS MAY VARY. THE SOLUTION IS TO JOIN IN, MONITOR AND HELP OUT WHEN SMOKE IS DETECTED. ALSO, FOR REPEATER NET, YOU CAN VIEW THE RELAY STATION AS A BACKUP NET CONTROL.

IF USING SIMPLEX, YOU MAY REQUIRE MULTIPLE RELAY STATIONS. WITH REPEATERS – POSSIBLY ONLY ONE OTHER STATION WILL BE NEEDED].

6. This lets people who can't hear Net Control know that Smoke Net is in process, AND avoid "dead air" where operators don't know if anything is in process.

7. DRAFTER'S NOTE 7: The PURPOSE is to pick up all ALL STATIONS THAT WERE MONITORING THE ALERT FREQUENCY THAT COULDN'T HEAR NET CONTROL when initial ALERT was issued on FOXTROT 1 because of relative station location; AND also stations who were monitoring other Format November , Block 1 Ham frequencies.

8. For Field Teams: Group leads - see Format Mike 6 (restricted distribution).

9. FCC Rules:

“ § 97.403 Safety of life and protection of property. No provision of these rules prevents the use by an amateur station of any means of radio communication at its disposal to provide essential communication needs in connection with the immediate safety of human life and immediate protection of property when normal communication systems are not available.

§ 97.405 Station in distress. (a) No provision of these rules prevents the use by an amateur station in distress of any means at its disposal to attract attention, make known its condition and location, and obtain assistance.”

Please follow the plan and procedures. Have suggestions? please call 474-3267

73 K6PDS

END