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**CHECK BACK FOR UPDATES** [DESTROY ALL PRIOR VERSIONS] **FMT YANKEE 5**

**SHINGLETOWN EMERGENCY RADIO PLAN (SER) (K6PDS – N. Zeliff)**

**Neighborhood Emergency Radio Connections and Plan (NERCAP)**

**-MURS/FRS FREQ. ALLOCATION TABLE BY AREA-**

**THIS IS NOT 911 – IF YOU HAVE AN EMERGENCY CALL 911**

**NEIGHBORHOOD FREQ. COORDINATION AND ALLOCATION FOR NEIGHBORHOODS.**

**[NEEDED TO AVOID INTERFERENCE WITH NEARBY AREAS]**

**PLEASE CALL TO GET YOUR NEIGHBORHOOD INCLUDED IN  
THE TABLE BELOW**

**- CALL NATHAN ZELIFF – 530-474-3267 –**

**PROPAGATION TESTING MUST BE DONE BY EACH NEIGHBORHOOD.**

## **CONCERNS / PROBLEMS AS OF 6/9/2019:**

**1. SOME AREAS / NEIGHBORHOODS ARE SELECTING RADIOS THAT DO NOT ALLOW A PERSON TO MONITOR THE FOLLOWING:**

**CAL FIRE;**

**SHERIFF;**

**NOAA WEATHER;**

**HAM; AND**

**FREQUENCIES OTHER THAN THOSE FOR A SPECIFIC RADIO TYPE.**

**SUCH MAY HAVE GOOD INTENTIONS, BUT THIS CUTS OFF VITAL EMERGENCY COMMUNICATION RESOURCES. HAVE BACK UP RADIOS, BUT DO NOT LIMIT YOUR EMERGENCY OPTIONS! IN AN EMERGENCY EVERY PERSON NEEDS TO HAVE THE CAPABILITY TO MONITOR MULTIPLE FREQUENCIES, INCLUDING THE ABOVE!**

**YOU MAY BE ALONE BECAUSE THE NEIGHBOR YOU WERE “RELYING ON” IS OUT OF TOWN WHEN THE EMERGENCY (FIRE) HITS!**

**2. SOME AREAS MAY BE SELECTING FREQUENCIES RANDOMLY AND NOT ATTEMPTING TO COORDINATE. THIS MAY CAUSE PROBLEMS FOR OTHER AREAS / NEIGHBORHOODS.**

**3. MORE AREAS / NEIGHBORHOODS NEED TO ACTIVELY PARTICIPATE.**

**FREQUENCY NOT  
ASSIGNED  
TO ANY AREA → →**

Channel #5 “**MURS 940**”  
**THIS FREQ. IS for all areas in event of  
emergency. Also, directing traffic at traffic  
accident, etc...**

**Channel # 5:  
151.940 NARR. BAND NO PL**

## **MURS/FRS FREQUENCY COORDINATION AND ALLOCATION TABLE SHOWING FREQUENCY FOR AREA / NEIGHBORHOOD AREAS.**

Each participating Area Neighborhood is to have the following:

1. Alert / Emergency Communications Frequency-  
**THIS IS YOUR “ALERT / EMERGENCY FREQUENCY”.**
2. Operations Frequency-  
**THIS IS YOUR “OPS FREQUENCY”.**

THE **ALERT FREQUENCY** USE IS **RESTRICTED** TO THE FOLLOWING ONLY:  
[this FREQUENCY is to have NO TRAFFIC during periods of NO EMERGENCY/PRIORITY]

1. **EMERGENCY / PRIORITY – FIRE / SMOKE COLUMN IN AREA**
  - MIKE MIKE 4 EARTHQUAKE OR ABOVE
  - VOLCANIC ACTIVITY
  - COMMUNICATIONS BLACKOUT
  - FLYING EMBERS IN AREA
  - SMOKE ODOR IN AREA
  - POWER LINES DOWN
  - GAS LEAK IN HOME
2. **EMERGENCY – IMMEDIATE EVACUATION ORDER FROM SHERIFF.**
3. **EMERGENCY MEDICAL SITUATION.**
4. **PRIORITY – EVACUATION WARNING FROM SHERIFF.**
5. **EMERGENCY / PRIORITY COMMUNICATIONS DURING AN EMERGENCY SITUATION - EXAMPLES:**
  - A. **WELFARE CHECK ON PERSONS DURING EMERGENCY SITUATIONS (ABOVE).**
  - B. **TRAFFIC FLOW (ROADS OBSTRUCTED ETC...) DURING EMERGENCY SITUATIONS (ABOVE).**
  - C. **AREA RESOURCE UTILIZATION (E.G., IMMEDIATE NEED FOR CHAIN SAWS, TOW VEHICLES, GENERATORS, FOOD, WATER, MEDICAL, ETC...) DURING EMERGENCY SITUATIONS, ETC...**
  - D. **SITUATION REPORTS DURING EMERGENCY / PRIORITY SITUATIONS, USE FORMAT TANGO 9M**
6. **OTHER EMERGENCY / PRIORITY SITUATIONS.**

THE **OPS FREQUENCY** IS FOR AREA OPERATIONS & INCLUDES THE FOLLOWING:

[this FREQUENCY may have TRAFFIC during periods of NO EMERGENCY/NO PRIORITY]

1. COORDINATING AREA RESOURCES DURING AN EMERGENCY.
2. STATIONS DIRECTING VEHICLE TRAFFIC AND COORDINATING ACTIVITIES DURING AN EMERGENCY.
3. **COMMUNICATIONS THAT ARE NOT EMERGENCY OR PRIORITY – BUT ARE IMPORTANT AS TO THE AREA NEIGHBORHOOD (E.G., SUSPICIOUS VEHICLE (DO NOT ENGAGE – REPORT TO 911) DURING NON EMERGENCY / NON PRIORITY PERIODS).**
4. **SMOKE CHECK REPORTS (USE FORMAT TANGO 4).**
5. **FIRE WATCH BREVITY CODES (SEE Format Mike 7).**

**THE ALERT FREQUENCY AND OPS FREQUENCY ARE NOT TO BE USED FOR CHIT CHAT. SUCH WILL DESTROY THE EMERGENCY MONITORING PURPOSE OF THE PLAN. FOR CHIT CHAT GO TO NON PLAN ERS FREQUENCY >> 462.7250 NB ( NO CTCS IN or OUT)**

AREA / NEIGHBORHOOD		AREA / NEIGHBORHOOD - FREQUENCY ALLOCATIONS			
AREA	AREA TACTICAL	ALERT / EMERGENCY COMMS FREQ. E.G., "VILLAGE ALERT FREQ"		OPERATIONS FREQUENCY E.G., "VILLAGE OPS FREQ"	
"INWOOD" Sect 23 T31N R1W	"INWOOD"	CH #1 FOR SCAN MONITORING 151.880 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR COMMS 151.880 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR SCAN MONITORING 462.6000 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR COMMS 462.6000 NB CTCS <u>OUT ONLY</u> 136.50
CORTLAND PINES Sect 26 T31N R1W	"CORTLAND"	CH #1 FOR SCAN MONITORING 154.570 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR COMMS 154.570 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR SCAN MONITORING 462.6750 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR COMMS 462.6750 NB CTCS <u>OUT ONLY</u> 136.50
SHASTA FOREST VILLAGE Sect 31 T31N R1E  As of 6/6/2019 this is the ONLY Neighborhood reporting into the SER Ham Net.	"VILLAGE __[YOUR NAME]__" E.G., "THIS IS VILLAGE JIM"	CH #1 FOR SCAN MONITORING 154.600 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR COMMS 154.600 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR SCAN MONITORING 462.5500 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR COMMS 462.5500 NB CTCS <u>OUT ONLY</u> 136.50

<b>AREA</b>	<b>AREA TACTICAL</b>	<b>ALERT / EMERGENCY COMMS FREQ.</b>		<b>OPERATIONS FREQUENCY</b>	
		E.G., "VILLAGE ALERT FREQ"		E.G., "VILLAGE OPS FREQ"	
WOODRIDGE LAKE	"WOODRIDGE__"	CH #1 FOR <b>SCAN MONITORING</b> 462.6625 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR <b>COMMS</b> 462.6625 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR <b>SCAN MONITORING</b> 462.6000 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR <b>COMMS</b> 462.6000 NB CTCS <u>OUT ONLY</u> 136.50
WILSON HILL (South of Grace lake exit)	"WILSON HILL __"	CH #1 FOR <b>SCAN MONITORING</b> 462.6875 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR <b>COMMS</b> 462.6875 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR <b>SCAN MONITORING</b> 462.7000 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR <b>COMMS</b> 462.7000 NB CTCS <u>OUT ONLY</u> 136.50
CIRCLE K	"CIRCLE K ____"	CH #1 FOR <b>SCAN MONITORING</b> 154.570 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR <b>COMMS</b> 154.570 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR <b>SCAN MONITORING</b> 462.5750 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR <b>COMMS</b> 462.5750 NB CTCS <u>OUT ONLY</u> 136.50
STARLIGHT PINES Sect 19 T31N R2E	"STARLIGHT ____"	CH #1 FOR <b>SCAN MONITORING</b> 154.600 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR <b>COMMS</b> 154.600 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR <b>SCAN MONITORING</b> 462.5500 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR <b>COMMS</b> 462.5500 NB CTCS <u>OUT ONLY</u> 136.50
BIBLE BELT Sect 10 T31N R2E	"BIBLE BELT__"	CH #1 FOR <b>SCAN MONITORING</b> 462.5625 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR <b>COMMS</b> 462.5625 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR <b>SCAN MONITORING</b> 462.6750 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR <b>COMMS</b> 462.6750 NB CTCS <u>OUT ONLY</u> 136.50
Mountain Cabin Sites Subd. Sect 21 T31N R2E	"EMIGRANT ____"	CH #1 FOR <b>SCAN MONITORING</b> 462.6875 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR <b>COMMS</b> 462.6875 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR <b>SCAN MONITORING</b> 462.7000 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR <b>COMMS</b> 462.7000 NB CTCS <u>OUT ONLY</u> 136.50

<b>AREA</b>	<b>AREA TACTICAL</b>	<b>ALERT / EMERGENCY COMMS FREQ.</b>		<b>OPERATIONS FREQUENCY</b>	
		E.G., "VILLAGE ALERT FREQ"		E.G., "VILLAGE OPS FREQ"	
CAMP MCCUMBER & BATTLE CREEK Sect 15 T31N R2E	"BATTLE CREEK _"	CH #1 FOR SCAN MONITORING 151.880 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR COMMS 151.880 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR SCAN MONITORING 462.6000 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR COMMS 462.6000 NB CTCS <u>OUT ONLY</u> 136.50
LONG HAY FLAT / WILD TURKEY	"HAY FLAT"	CH #1 FOR SCAN MONITORING 154.570 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR COMMS 154.570 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR SCAN MONITORING 462.6500 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR COMMS 462.6500 NB CTCS <u>OUT ONLY</u> 136.50
SCHARSCH	"SHCARSCH ___"	CH #1 FOR SCAN MONITORING 151.820 NB CTCS <u>IN/OUT</u> 136.50	CH #2 FOR COMMS 151.820 NB CTCS <u>OUT ONLY</u> 136.50	CH #3 FOR SCAN MONITORING 462.6250 NB CTCS <u>IN/OUT</u> 136.50	CH #4 FOR COMMS 462.6250 NB CTCS <u>OUT ONLY</u> 136.50

**ALL OF ABOVE ARE PENDING PROPAGATION TESTING BY NEIGHBORHOODS. NEIGHBORHOODS MUST DO TESTING.**

**NOTES AS TO DESIGNATIONS OF CH #1 / CH #2 ; AND CH #3 / CH #4:**

**CH #1 (ABOVE CHART) is for Scan Monitoring. The purpose is to increase Area / Neighborhood monitoring (with a goal of 24/7 monitoring by Areas / Neighborhoods. Thus, the R-CTCS seeks to limit what you "hear on the radio" to only those alert communications related to your Area / Neighborhood. Thus, you should not hear miscellaneous radio traffic from those not participating in the emergency communications plan. However, a risk is that someone who has an emergency message may not be heard because their radio doesn't contain the T-CTCS coding to open up the squelch on Area / Neighborhood radios programmed with the R-CTCS coding. Ch #3 duplicates this process for the Ops Frequency.**

**CH #2 (IS THE SAME FREQUENCY AS CH #1 - BUT “CTCS – IN” IS REMOVED:**

**THIS CHANNEL is for Emergency Communications AFTER an emergency alert has been sent on Ch #1. Stations should switch from Ch #1 to Ch #2.**

**By going to Ch #2, you should now be able to hear all stations transmitting on the frequency (if stations are within transmit / receive range), even if the transmitting station is not toned with the Area/Neighborhood Transmit CTCS code. The purpose is to allow all transmitting stations to be heard during an emergency situation (including those radio stations who have remained on Ch. #1, and also including those radio stations which have no T-CTCS programmed for the frequency, and/or have the wrong T-CTCS programmed. If however, a radio has the wrong R-CTCS programmed in it, then such station will not hear Area/Neighborhood communications on either Ch1 or Ch 2. Ch #4 duplicates this process for the Ops Frequency. If stations choose, they can Scan monitor Ch #2 (on a 24/7 basis), but this most likely will result in hearing miscellaneous communications (potentially at all hours of the day and/or night) which have no relationship to the emergency communications for your Area / Neighborhood.**

**Additionally, if an Area / Neighborhood decides that it doesn't want to use any R-CTCS and/or T-CTCS, such decision is up to each Area / Neighborhood. You should let Your Area Coordinator and all others in the community know. If you don't advise other Area / Neighborhoods of your modification, then others will not be able to and/or may not be able to communicate with your Area / Neighborhood on your Area / Neighborhood Frequencies.**

## **WARNING**

**EACH AREA / NEIBGHBORHOOD IS RESPONSIBLE FOR ITS OWN TESTING TO MAKE SURE THAT ALL AREA / NEIGHBORHOOD STATIONS CAN BE HEARD AND COMMUNICATE.**

**IF YOU ARE NOT TESTING, THEN YOU ARE AT RISK OF COMMUNICATIONS FAILURE.**

**IF AREAS / NEIGHBORHOODS (AND EACH RESIDENT) NEGLECT TO PERFORM THE TESTING AND TAKE ANY NECESSARY REMEDIAL ACTIONS, THEN COMMUNICATIONS DURING AN EMERGENCY MAY FAIL. ULTIMATELY IS UP TO EACH INDIVIDUAL STATION OPERATOR TO MAKE HIS/HER RADIO STATION SUFFICIENT FOR EMERGENCY COMMUNICATIONS. DON'T WAIT UNTIL THERE IS AN EMERGENCY!**

**HAVE BACK UP RADIO(S)**

**HAVE BACK UP POWER SUPPLIES: BATTERIES / GENERATORS / SOLAR, ETC...**

**PLEASE CALL 474-3267 WITH YOUR TEST RESULTS.**

**NOTE: YOU MAY HEAR COMMUNICATIONS NOT ASSOCIATED WITH THE SHINGLETOWN EMERGENCY RADIO NETS ON THESE FREQUENCIES. WE DON'T CONTROL THE FREQUENCIES AND OTHERS MAY BE USING THEM.**

**WARNING: YOU MUST RECEIVE A "ROGER" TO CONFIRM THAT YOUR RADIO TRANSMIT WAS RECEIVED AND NOT BLOCKED BY "HIDDEN" INTERFERENCE.**

**HOPEFULLY, ALL PERSONS USING THE FREQUENCIES WILL RECOGNIZE THE SEVERE FIRE DANGER WE ARE FACING AND WILL GIVE PRIORITY TO THE EMERGENCY COMMUNICATIONS PLAN THAT IS BEING USED.**

**THANK YOU TO: W6BEN, W6IO, WB6CAN, KB6BZL, TOM TWIST, AND OTHERS WHO HAVE ASSISTED IN ABOVE.**

**K6PDS 73**

**MULTI-USE RADIO SYSTEM (MURS) / FAMILY RADIO SERVICE (FRS)**