

# **W7PXL**

# **Net Operations**

# **Documentation**

**Last Updated: 07/29/20, 11:05:01 AM**

## Scope

This documentation applies only to the Valley Radio Club of Oregon Net, AKA: W7PXL Net. This document created on 08/17/2018. Last updated: 07/29/20, 03:14:03 PM.

## Overview

This documentation is for both the net control operators, and the net users. It outlines the general operational parameters of when, and how, the net is to be operated, acronyms used, and what to do in the event of emergency traffic. Each section deals with a different aspect of network operations, or timing.

This net is to be called each Tuesday, at 1900 Local time, (7:00 PM), on a frequency of 146.72, with a PL of 100 Hz., using the Valley Radio Club of Oregon repeater. The backup frequency is 146.52 simplex. This net is to be known as the W7PXL Net.

**Section 1:** Net preamble, operations guidelines, and postamble. This sections outlines how the net is to be called, and how users are to check in. The net preamble is to be read at each net startup, the postamble is to be read at each net termination.

**Section 2:** Procedural "what to do if" set of guidelines.

**Section 3:** Phonetic Alphabet to be used during net operations.

**Section 4:** Consists of contact information should you have questions regarding net operations.

**Section 5:** Net fall back procedures.

**Section 6:** Net call roster, reversed.

## Structure

Each section of this document has been broken out to allow for easy printing. The document is stored as a PDF file, so you may specify what pages you want printed or not printed, at print time, on your machine.

## Acronyms Used

<b>W7PXL:</b>	Callsign of Valley Radio Club of Oregon.
<b>NCS:</b>	Net Control Station
<b>ANCS:</b>	Alternate Net Control Stations
<b>QST:</b>	General announcement to all radio amateurs.
<b>QRM:</b>	Man made noise
<b>DQRM:</b>	Man made noise by intent, IE. a jammer.
<b>ITU:</b>	International Telecommunications Union.
<b>MHz.</b>	Megahertz.
<b>PDT:</b>	Pacific Daylight Time.
<b>PST:</b>	Pacific Standard Time.

**Valley Radio Club of Oregon**  
**W7PXL NET Preamble**  
**Section 1**

Good evening, this is [Your name, call & location], net control for this evening's session of the W7PXL Tech Net.

All licensed Amateurs and especially newly licensed Amateurs are encouraged to participate. This net meets weekly, on Tuesdays at 7:00 PM, local time, on a frequency of 146.72 MHz., using a 100 Hz subtone. The alternate frequency is 146.52 MHz., simplex. This is [Your name, call & location]

This net exists to provide a venue for questions and training related to Amateur Radio.

This is a directed net, to break the net, please check-in with your callsign, using ITU phonetics, and your name. Please speak slowly, and clearly, when checking into the net. Once you are checked in you no longer need to use phonetics.

All stations checking into this net are requested, but not required, to remain on frequency until the net has been secured.

This is [Your name, call & location], net control for this evenings session of the W7PXL Net.

Are there any stations with emergency, priority, or health and welfare traffic?

Are there stations with QSTs, bulletins or announcements?

Are there stations requesting an early out?

Does anyone need contact with any station needing to be out early?

Are there any mobiles?

Are there stations on emergency power?

This is, [Your name, call & location], Remember, it's good operating procedure to leave about a half second pause, after keying your radio, before talking.

North Eugene?

South Eugene?

East Eugene?

West Eugene?

Springfield?

Echolink?

Stations outside of Eugene/Springfield area?

Are there any late or missed stations from anywhere?

This is [Your name, call & location]

That said, does anyone have an Amateur Radio related question, if so, please break with your call-sign only.

## NCS FREE ACTION SECTION

1. Don't call on someone who has not volunteered to answer a question, unless that person has let you know in advance, that it is OK to do so. We don't want to embarrass someone by putting them on the spot with a question they can not answer.
2. There may be many people asking to answer the question. Use your judgment on who, and how many people you call to answer a question. There will be some back and forth.
3. Once the question is answered, ask the station who originated the question if their question was answered to their satisfaction, if not, ask again for more info, then have someone answer the question, or you may clarify. Be sure to ID once every 10 minutes, and allow time for the repeater to time out. The repeater must drop carrier to reset the internal timer at least once every few minutes.
4. Ask if anyone wants to cover a short technical topic dealing with Amateur radio?
5. Feel free to cover a technical topic if no one else does...
6. Be sure to ask if there are any BRAGS, or any club business.
7. If people begin operating outside of the net parameters, the NCS may, at his or her discretion, correct that person on air. If you do this, be kind. No one likes being corrected on air, no matter how gentle the correction is. It is always better to show by example, rather than correct someone on air. An example of this might be; if a station has forgotten to use ITU phonetics, don't call out one station, insert a gentle reminder in the net flow that ALL stations should use ITU phonetics during check-in. That sort of correction is always better than a direct call to a station regarding issues during net operation.
8. **If an answer to a question goes on too long, feel free to terminate the discussion with something like this:**

***"In the interest of time, I'm going to move on to the next question. If you have additional feedback or suggestions for the operator asking the question, please contact them off net. Thank you. Next question please."***

***It does not have to be verbatim, just close...***

### POSTAMBLE FOR CLOSING THE NET

Is there any net business before the net is closed?

Hearing nothing further, I wish to thank all stations for their participation and help. Thanks to those stations who stood by to give us a clear operating frequency and thanks to the stations who answered questions.

This is [Your name, call & location], securing the W7PXL Net net at [time PST or PDT]. The frequency is now open for general Amateur use.

## Net Procedures Notes

### Section 2

#### Late NCS:

In the event a NCS is late by more than two minutes, the ANCS, (Alternate Net Control Station), should take the net. Once the ANCS has taken the net, the ANCS should finish the net. Passing control back to the NCS will only confuse folks checking in.

#### NCS goes dark:

If the NCS has a radio failure, or for some reason can not continue the net, the ANCS, (Alternate Net Control Station), should pick up the net as best as possible.

#### No NCS:

If you are a NCS, (Net Control Station), for this net, but not scheduled, and hear no NCS, or ANCS, (Alternate Net Control Station), if you can, take the net.

#### No ANCS:

If you are the NCS, and there is no ANCS, assign one after check-ins.

#### NCS disappears in the middle of a net:

In the event the NCS has a radio failure, the ANCS should be following along with sufficient information so as to be able to take over the net at any time.

#### DQRM:

DQRM is Deliberate QRM. If this happens DO NOT discuss or mention it on the air. That only makes things worse. Do your best to keep the net going. If it is not feasible to keep the net running, then the NCS may terminate the net.

#### Emergency traffic:

All stations are to cease transmission if this comes about. The NCS will handle the emergency traffic as he/she sees fit. The NCS is in charge, and no station is to transmit unless requested to by the NCS. **Put your microphone on the desk, then listen to the NCS for further instructions.**

#### Answering questions:

The NCS may feel free to answer questions if they know the answer, or they may ask if someone knows the answer and wants to share that answer.

I would suggest asking if anyone wants to answer a question as opposed to calling on someone without warning. The idea is to **NOT** embarrass someone by asking them a question they don't know the answer to in public.

#### Repeater Timeout:

In the event the repeater times out, the NCS will wait for it to come back, then explain to the net what happened. That way people realize what happened, and can avoid it in the future.

#### Repeater Failure:

The net will be moved to 146.52, and continue. The net control may or may not call role again. The Net Control Station, (NCS), will inform either Matt, or Scott, of the repeater failure.

#### NCS Reporting:

The NCS is to report the number of check-ins, and anything the NCS feels needs reporting to the Net Manager upon net termination via email. These numbers will be reported at the following meeting. Send reports to: dave@nk7z.net

## Net Procedures Notes Section 2

### **Suspected unlicensed station attempting check in:**

In the event there is a question regarding the license status of any station attempting to check into the net, the net control is to ignore that station and make the following announcement to all net.

***"It is the policy of the Valley Radio Club, and this net, that all stations must hold a currently valid amateur license as shown in the FCC ULS database. No station will be checked in to this net if the FCC ULS does not indicate a valid Amateur License."***

The NCS is to then move on with the net as normal. If the person continues to attempt check-in, the net is to be closed and ended ASAP, using the following procedure.

***"This session of the W7PXL Tech net is ending early. Thank you all for participating."***

If you can locate a control operator, or the repeater trustee, notify them via telephone of why you closed the net.

### **Other NCS notes:**

The NCS should be able to switch between the Repeater standard pair of frequencies, and a reversed pair of frequencies easily in the event of a repeater failure. I will update the frequency load on the web page to have a reversed pair next to .72.

**Phonetic Alphabet  
Section 3**

<b>A</b>	<b>Alfa</b>	<b>AL FAH</b>
<b>B</b>	<b>Bravo</b>	<b>BRAH VOH</b>
<b>C</b>	<b>Charlie</b>	<b>CHAR LEE or SHAR LEE</b>
<b>D</b>	<b>Delta</b>	<b>DELL TAH</b>
<b>E</b>	<b>Echo</b>	<b>ECK OH</b>
<b>F</b>	<b>Foxtrot</b>	<b>FOKS TROT</b>
<b>G</b>	<b>Golf</b>	<b>GOLF</b>
<b>H</b>	<b>Hotel</b>	<b>HOH TELL</b>
<b>I</b>	<b>India</b>	<b>IN DEE AH</b>
<b>J</b>	<b>Juliette</b>	<b>JEW LEE ETT</b>
<b>K</b>	<b>Kilo</b>	<b>KEY LOH</b>
<b>L</b>	<b>Lima</b>	<b>LEE MAH</b>
<b>M</b>	<b>Mike</b>	<b>MIKE</b>
<b>N</b>	<b>November</b>	<b>NO VEM BER</b>
<b>O</b>	<b>Oscar</b>	<b>OSS CAH</b>
<b>P</b>	<b>Papa</b>	<b>PAH PAH</b>
<b>Q</b>	<b>Quebec</b>	<b>KEH BECK</b>
<b>R</b>	<b>Romeo</b>	<b>ROW ME OH</b>
<b>S</b>	<b>Sierra</b>	<b>SEE AIR RAH</b>
<b>T</b>	<b>Tango</b>	<b>TANG GO</b>
<b>U</b>	<b>Uniform</b>	<b>YOU NEE FORM</b>
<b>V</b>	<b>Victor</b>	<b>VIK TAH</b>
<b>W</b>	<b>Whiskey</b>	<b>WISS KEY</b>
<b>X</b>	<b>X-ray</b>	<b>ECKS RAY</b>
<b>Y</b>	<b>Yankee</b>	<b>YANG KEY</b>
<b>Z</b>	<b>Zulu</b>	<b>ZOO LOO</b>

## Contact Information Section 4

### Contact Information:

#### Net manager:

Dave Cole

NK7Z

#### Repeater Trustee:

Scott Rosenfeld

N7JI

Repeater problems, etc. for hardware issues.

#### Repeater Technical Contact, and control operator:

Matt Dillon

W7ARD

Same functions as Trustee.

## Net Fallback Operational Plan Section 5

### Overview:

In the event of a repeater failure, the net will move to 146.52. In order to move the users from 146.72 to 146.52, the NCS stations should have the reverse of the repeater programmed into their radios. This means being able to listen on 146.12, and transmit on 146.72. This will allow the NCS station to both hear and be heard by other stations without anyone but the NCS having to change his or her radio.

In the event of a repeater failure, the NCS should switch his or her radio around to be transmitting on 146.72, and listening on 146.12, and then announce the repeater has failed, and the net is moving to the alternate frequency of 146.52 simplex. This should be announced at least twice. The NCS should designate a station to remain on frequency, in reverse mode, announcing the move to .52 for 10 minutes.

### Specifics:

Upon discovery of repeater failure, the NCS, should immediately announce the following on 146.72:

**ALL STATIONS THIS NET, THIS IS [Your name, call & location], THE 146.72 REPEATER HAS FAILED. I SAY AGAIN, THE 146.72 REPEATER HAS FAILED. ALL STATIONS ARE DIRECTED TO MOVE TO THE NET BACKUP FREQUENCY OF 146.52 SIMPLEX. I SAY AGAIN, ALL STATIONS ARE DIRECTED TO MOVE TO NET BACKUP FREQUENCY OF 146.52 SIMPLEX. ONCE THERE WAIT FOR A NET CONTROL STATION TO RESTART THE NET, I SAY AGAIN ONCE THERE WAIT FOR A NET CONTROL STATION TO RESTART THE NET.**

The NCS should then ask if there is another NCS station available to monitor 146.12, and transmit on 146.72. If so, ask that station to stand by on the repeater frequency and direct any people wishing to check in to the net to the backup frequency of 146.52 simplex. The NCS should then move to the backup frequency and call the net to order. The station remaining on 146.12/72 should direct all stations who are attempting to check into the net to the net backup frequency of 146.52 simplex.

### Once the NCS is on the backup frequency:

Once the NCS is on 146.52, the NCS should begin roll call again as if the net is starting anew. This is done to assess who has moved, and how the NCS can hear each station. Run down the normal roll call as you would as if the repeater were working.

At the end of each check in area, (North, South, Santa Clara, etc.), select a station, and ask that station to make a net call for that area, a NCS station is preferred here but not mandatory. This will allow that station to daisy chain in stations the NCS is unable to hear.

### Hints:

1. It is important in a repeater failure to keep careful notes as to who your relay stations are/were. You will need them again later.
2. The net may become confused if you become confused, so be careful to only transmit when you are ready, and know what you are going to say.
3. Do not be afraid to call for all stations to stand by if need be.
4. Continue with net operations.