

**WWRA OPS COMMITTEE ARCHIVE 19 (12 November 2006- 28 July 2008)**  
**CURRENT PRIORITY ACTION ITEM – ACTION ITEM--INDEFINITE HOLD – COMPLETED ITEM**

2006 2008	Task	Order Status	Op Status	Work	Equipment	REMARKS	OPS Comm	Target Due Date
11/12/06	06221	-	Yes	Echolink code access allows access from VHF side. The coding programming needs to facilitate access from the UHF side only. This will most likely be done in re-writing the programming under Command 130.	Controller	Note: This feature has already been done for accessing the voice weather report separately on UHF and VHF repeaters.	B G	TBD
3/23/07	07228	Related to 06221	No	3/23/07 – Need to program Command 130 in VHF repeater to not allow a user to accidentally bring up the Echolink on UHF from the VHF side.	Controller	Programming of controller.	E B G	TBD
1/11/08	08239	-	No	1/10/08 – At 1730 and 2040, 2130 today we had what appeared to be a powerful jammer knocking out signals on the VHF repeater input. 3/21/08 – Brought Motorola Communications analyzer down from hill to work on TxID.	VHF Repeater Jammer		B G	Fingerprinted COMPLETED
2/1/08	08240	-	No	2/1/08 – Weather voice reporting timer seems to be drifting for no apparent reason. It has been reset over the last several months but the timing that affects the follow-on thank you message by allowing it to announce when it should not. 3/12/08 – It would appear that losing the barometer reading allows the final thank you announcement. 7/1/08 – Discovered by trial and error that the length of the voice report changes with description of weather and/or the loss of i.e., the barometer reading allowing a second end voice announcement thanking the user for using Weather Vox. This ended our concerns for the varying audio.	Weather Vox		G E	COMPLETED 7/27/08
3/30/08	08241	-	Yes	3/24/08 – KPC 9612 stopped operating after a remote connection was made. Setup backup TNC until hill trip could be made to change out with second KPC-9612. 3/31/08 – Changed out with newly programmed TNC leaving off UIDIG1 and UNPROTO to observe APRS transmissions.	KPC-9612		G	COMPLETED 3 HOURS 3/31/08
5/10/08	08242	-	Yes	5/10/08 – Reprogrammed regular TNC with Wide2-2 and swapped out taking the backup TNC offline.	KPC – 9612		G	COMPLETED 1 HOUR 5/10/08

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5/10/08	08243	Shipped 5/15/08 Returned 6/20/08	No	<p>5/10/08 – VHF repeater went offline at 7:54AM. Worked on hill all afternoon swapping out PA-100 amplifiers Unit A and B, corrected the problem temporarily but after an extended transmission the signals deteriorated. Turned off VHF repeater and will return later.</p> <p>5/13/08 – Checked out coaxes and both PA-100 amplifiers but no power coming out of VHF transmitter. Placed ALTERNATE VHF REPEATER online and brought VHF repeater down from hill for further testing.</p> <p>5/14/08 – The repeater would work and then after a short period it would quit. The problem appeared at times to be in the final. It would not completely shutdown but lacked the power to initiate the amplifier. After several attempts it remained an intermittent issue. Checked out VHF repeater with communications analyzer and could not get any power out of the final.</p> <p>5/15/08 - Shipped via UPS back to ACS.</p> <p>6/2/08 – Checked with ACS three times over the past two weeks. They are having the same issues with intermittent shutting down. The repeater will work for a couple of days then shutdown. They keep hoping it will break so they can fix it. They changed out two drivers and thought it was fixed but no luck as of 6/2/08. We will check again on 6/4/08.</p> <p>6/4/08 – ACS running more tests. Narrowed it down to the final board exciter a third time. Need until next week around June 9<sup>th</sup>. May have to replace board.</p> <p>6/9/08 – VHF repeater fixed and will be shipped in a few days.</p> <p>6/21/08 – Bench tested. Transmitter 7.62 watts. ACS installed 4 new capacitors including Q10 in the final that we suspected being burned out.</p> <p>6/24/08 – Installed after rewiring to new 12VDC electrical distribution panel. Installed 23VDC cabling and hooked up to PA-100. Not online yet.</p> <p>6/25/08 – Made two hill trips bringing the VHF repeater down to check. Transmitting 8.6 watts. Returned to hill to operate without PA-100. Would not operate. Suspect port 3 in controller may have been damaged or not working properly. Connected to port 5 for further testing. Not online yet.</p> <p>6/29/08 - Re-soldered some external wiring on repeater to controller harness and this seem to fix the problem. Left PA-100 disconnected until we install a separate circuit using a relay to trigger the amplifier.</p> <p>6/29-30/08 – Port 3 controller would not work so we shifted VHF to Port 5 and re-programmed controller.</p>	VHF Repeater	<p><b>NOTE:</b> Intermittent problem has taken time to nail down by both WWRA volunteers and the manufacturers technicians. It has been subsequently found that we lost Port 3 in the controller in addition to the VHF repeater requiring us to shift to Port 5.</p>	G J E B	<p><b>Hill trip 4 Hours 5/10/08</b></p> <p><b>Hill trip 12 Hours 5/13/08</b></p> <p><b>2 Hours 5/15/08 Bench time</b></p> <p><b>Bench time .5 Hour 6/21/08</b></p> <p><b>Hill trip 14 Hours 6/24/08</b></p> <p><b>(2) Hill trips 10 hours 6/25/08</b></p> <p><b>Hill trip 5 hours 6/29/08</b></p> <p><b>Programming 8 Hours 6/30/08</b></p> <p><b>COMPLETED</b></p>

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5/13/08	08244	-	Yes	5/13/08 – Changed weather vox barometer to inches of mercury reporting. Dip Switches 1 and 6 are now on.	Weather Vox	Barometer reporting was changed to inches of mercury by turning dip switch 6 to the ON position.	G J	Hill trip .5 Hours <b>COMPLETED</b>
6/2/08	08245	-	Yes	6/2/08 – Lost barometer readings on both control keyboards. Need to replace batteries and re-boot. 6/24/08 – Put new batteries in both APRS & WxVox control modules and reset barometers. APRS barometer worked for 7 hours. 6/25/08 – Reset APRS barometer.	Weather Control Modules		G	6/24/08 .5 Hours 6/25/08 .5 hours <b>COMPLETED</b>
6/8/08	08246	-	No	6/8/08 – UHF repeater has been quitting intermittently during transmission. About 5 minutes into use it would start a motor boating sound or transmit just data sounds. This has been ongoing for about 1 week. It initially would clear up and be useable after being not used for a period of time. We will leave it on to see if returns but suspect coax issues. It will respond to codes and announces time without a problem. If it gets abused or becomes a problem it will be turned off. 6/24/08 – Checked out UHF repeater. It would work, quit and then work again. Working when we left hill so we will check it again next trip. 6/25/08 – UHF repeater worked sporadically. 06/29/08 - Removed UHF amplifier and re-soldered some external wiring on repeater to controller harness and this seem to fix the problem.	UHF Repeater	NOTE: With the VHF repeater in for repair we will wait until it is back online before getting into troubleshooting the UHF repeater.	G B	Hill trip 6/24/08 Checked Coax 2 Hours  Hill trip 6/29/08 5 hours <b>COMPLETED</b>
7/3/08	08248	Ordered	No	06/29/08 – Discovered that Port 3 on RLC 2 Deluxe controller was not working so we shifted VHF repeater over to Port 5. 7/3/08 – The current plan is to order the necessary part 2N7000 transistor to fix Port 3 but not do it until a later date since we have spare ports. We have Port 6 which is not in use at this time.	RLC-2 Deluxe Controller PORT 3	NOTE: Part 2N7000 will be stored on hill for later installation. The whole repeater system will have to be shut down in order to perform this task.	G B	TBD
6/29/08	08247	-	No	06/29/08 - Removed UHF amplifier and re-soldered some external wiring on repeater to controller harness and this seem to fix the problem.	UHF Amplifier C100D10 Amplifier	Henry C100D10	G B	Hill trip 6/29/08 .5 hours
7/3/08	08250		No	7/3/08 – Install relay to energize amplifier when PTT is activated. 7/26/08 – Installed UHF amplifier direct to 12VDC power supply as previously done.	UHF Henry C100D10 Amplifier	NOTE: Installation of RELAY is necessary to isolate the circuit which is activated by the repeater PTT.	G E	Hill trip 7/26/08 4 Hours <b>COMPLETED</b>
7/3/08	08251		No	7/3/08 – Install relay to energize amplifier when PTT is activated. 7/27/08 – Installed PA-100 UNIT B hooking 12VDC power direct from switch on Distribution Panel.	VHF ACS PA-100 Amplifier	NOTE: Installation of RELAY is necessary to isolate the circuit which is activated by the repeater PTT.	G E	Hill trip 7/26/08 4 Hours <b>COMPLETED</b>
7/28/08	08260	-	-	7/28/08 – Turned “default” courtesy tone back on for VHF repeater. This tone has a softer sound and less likely to be played with by abusers.	VHF Repeater Courtesy Tone	Note: Courtesy tone on VHF repeater became a toy for some users so it was turned OFF for a period of time.	G	7/28/08 <b>COMPLETED</b>