

**WWRA OPS COMMITTEE TASK TRACKING (1 February 2005- 16 December 2009)****CURRENT PRIORITY ACTION ITEM – ACTION ITEM – INDEFINITE HOLD – COMPLETED ITEM**

2005 2008	Task	Order Status	Op Status	Work	Equipment	REMARKS	OPS Com m	Target Due Date
2/1/05	05194	-	Yes	Cabinet wiring harnesses need to be overhauled and refurbished.	Controller Repeater Cabinets		G M	Long Term Project
5/14/05	05201	Ordered 5/20/05 Received 6/2/05	Yes	Since we expect to be in the same location at the site we decided to get the materials and make up some new coax runs from repeater cabinet to cavity cabinet thereby eliminating many of the connectors, and associated potential problems that they present, installed with the current installation. 5/20/05 – Ordered 6 Male N-connectors 12/28/06 – We had to shut down the UHF repeater due to some RF leaking which was blanking out the VHF repeater. Ran checks with Byrd wattmeter [21 watts forward power 0 reflective power] and checked all connections in the cabinet and RF leak disappeared.	Coaxes Between Repeater & Cavity Cabinets	6/13/06 – While visiting the site the area in the transmitter room that we were offered to move to be being taken over and new racks for a new tenant are being installed. We are happy we stayed where we are presently located. Note: Work on 12/28/06 visit emphasizes the need to change out much of the old coax and replace connectors.	G B	<b>Coax Connector Work TBD</b>  <b>Hill Trip 12/28/06 3.5 Hours</b>
5/26/06	06209	-	Yes	5/26/06 – Set Squelch LOOSE. 6/23/07 – Set Squelch LOOSE.	VHF UHF Repeaters	NOTE: This is an ongoing operations policy until a decision to set squelch tight is made.	B G E J	<b>5/26/06 .25 hour</b>
9/19/06	06219	-	Yes	Alternate VHF repeater needs circuit to operate the PA 100 amplifier when it is keyed up. 6/15/07 – This circuit was briefly discussed and Jim, N6ECV said he would build this circuit. Jim and George could do this on a separate trip.	Alternate VHF	Note: This circuit needs to be built.	J	<b>TBD</b>
4/12/07	07229	-	No	4/12/07 – Programming of “please identify” announcement on UHF repeater is required. This assignment was volunteered by Jim, N6ECV to accomplish.	UHF Repeater	Programming of controller.	J	<b>TBD</b>
6/24/07	07232	Related to task 05194	No	6/23/07 – After encountering several problems with loose 12VDC connections and wiring that has been poorly configured since before 1999 discussions led to procuring a distribution panel and re-wiring entire cabinet. 6/25/07 – Talked to Port Townsend Marine Electric about building a 12VDC electrical distribution box. 8/21/07 – Installed Electrical Distribution panel. 8/27/07 - Wired main power with #10 gauge. 8/27/07 - Wired UHF Control Link.	12VDC Electrical Distribution Panel & Repeater Cabinet Wiring	<b>Note:</b> 8/20/07 - After installation of panel it will be several trips to install new wiring runs and hook up all equipment to this panel.	G J B	<b>Installed 8/20/07 Hill trip 6 hours</b>  <b>8/27/07 Hill trip 4 hours</b>

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6/25/07	07233	Ordered	No	6/25/07 – Ops committee responsible for maintaining repeater decided to pursue procuring a backup Astron power supply since we thought we had lost our only one during field day hill visit. We need to get information from data plate on next hill visit. 6/29/07 – Power supply is an ASTRON 50M rack mounted unit.	Backup 12VDC Power Supply		B G	Procurement TBD
3/17/06	06205	Ordered 3/17 Received 5/5/06	-	<ol style="list-style-type: none"> <li>3/17/05 Ops Committee decided to order a variable power supply (VPS). The VPS provides approximately 28 VDC to the VHF transmitter final stage. That stage is what provides drive to the PA-100.</li> <li>5/20/06 - Installed VPS on hill with no appreciable change in power because PA 100 was not working.</li> <li>5/20/06 - Brought PA 100 down from hill to check out. See work on PA 100 Unit B completed.</li> <li>6/15/07 – Ops Committee meeting with Jim, N6ECV, Bill, N7YT and George, N7GME. Discussed at some length the gains and issues associated with driving up the power to 80 watts on VHF repeater. We have to closely monitor the power output of the UHF repeater since the VPS brings up the output of both repeaters.</li> <li>6/23/07 – Too busy checking out wiring issues so did not attempt to increase power. Will attempt at later date.</li> </ol>	Variable Power Supply (VPS)	Note: Currently the VHF repeater is coordinated at 100 Watts but is operating at 40W. <b>5/20/07 SEE NOTES on PA-100 units A and B</b> installations.  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p style="text-align: center;"><b>VHF</b> Unit A 40w - 3.9a Unit B 30w - 2.5a <b>UHF</b> Unit A No reading Unit B 58w – 2.5a <i>5/20/07</i></p> </div>	B G J	<b>5/20/06</b> <b>8 hours</b>  <b>5/20/07</b> <b>4 hours</b>
7/3/08	08249	Ordered 7/3/08	Yes	7/3/08 – One pin on Molex connector on PA-100 broke so we ordered a replacement and some spares.	PA-100 Molex Connector		G	Next Hill Trip
7/3/08	08252		Yes	Adjust audio lever on VHF RECEIVE Port 5 audio level.	Port 5 Audio Level		B G	TBD

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7/26/08	08259	Shipped 8/12/08 Returned 8/30/08  Shipped 9/8/08  Received 10/1/08	No	7/12/08 – Lost weather reporting on APRS. 7/26/08 – During hill trip discovered that U2000 unit that supplies weather data to TNC was not functioning. 9/1/08 – Repaired by Peet Bros. & reinstalled. 9/3/08 – Worked for 48 hours and then stopped. 9/6/08 – Installed N7GME spare unit. It worked for about an hour and stopped. 9/7/08 – After inspection it was determined that the two units were being powered by the original 9VDC power supply. With both units plugged into this supply the displays would fade indicating loss of power. 10/3/08 – Installed repaired module and after discussions with Peet Bros. Troubleshoot for ground. It appears that there is a ground in the Aux 2 connection in the splitter box. Damaged the U 2000 providing data to the weather vox so it is being shipped back for repair. APRS weather data is now working but Wx Vox is down. Ordered a replacement splitter box and a sensor box. 4/25/09 – Installed two new junction boxes and new U 2000 module #2 for weather voice reporting [WxVox] . System is working however weather voice reporting is starting in middle of report. Need to look at programming. Landline connection interrupted so will make second hill trip. 4/29/09 – RESET weather vox by unplugging 12VDC power connector, RJ-11 telephone connector and U2000 weather RJ-11. Weather Vox returned to normal operation.	APRS U-2000 Weather Module  WxVox U 2000 Weather Module	Note: After reading Peet Bros. Web site regarding power supplies it was determined that 12VDC from power panel should be run direct to units.  Note: Replaced broken and missing wind speed cups on anemometer. All other weather instruments on roof were okay.	G	<b>9/1/08 Hill trip 2 Hours</b>  <b>9/6/08 Hill trip 2 Hours</b>  <b>9/7/08 Hill trip 2 Hours</b>  <b>10/3/08 Hill trip 4 Hours</b>  <b>4/25/09 5 hours</b>  <b>4/29/09 3 Hours</b>  <b>COMPLETED</b>
5/1/09	09260		No	5/1/09 – Clipping of audio takes place during some transmissions on UHF. This may be an audio adjustment in controller.	UHF Repeater		G B	<b>Determined NOT To Be the UHF Repeater COMPLETED</b>

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5/4/09	09261	Ordered 6/2/09 Received 6/8/09	Yes	5/14/09 – Weather Vox is reporting abnormally high temperatures 6/1/09 – Found external temperature probe had wires on roof of building that were crimped by metal flashing at corner were shorting out. Disconnected from Aux 2 Input on junction box and ordered new 100' wire with probe. 6/9/09 – Installed new temp probe with new cable.	Weather Vox		G	<b>6/1/09 1.5 Hours</b>  <b>6/9/09 1 Hour</b>  <b>COMPLETED</b>
5/5/09	09262		Yes	5/5/09 – Cannot connect to controller via landline. 6/1/09 – Found broken wire on DB-25 connector on back of modem. Repaired and placed back in service.	RLC-2 Deluxe Controller		G	<b>6/1/09 1 Hour</b>  <b>COMPLETED</b>
6/1/09	09263	6/23/09 Delivered to Engraver	No	6/1/09 – Traced out previously installed cable connection to PA-100 keying voltage with switch located on electrical distribution panel. Brought nameplate down for engraving. 6/23/09 – Picked up example plate for engraver to make up new PA 100 KEYING VOLTAGE plate.	PA-100		G	<b>6/1/09 .5 Hour</b> <b>6/23/09 .5 Hour</b>
6/1/09	09264		No	6/1/09 – Reprogrammed backup APRS TNC to allow Icon to remain on screen without breaks in display times on screen. Brought down original TNC for reprogramming and will return to hill on next visit. 6/9/09 – Installed newly programmed TNC and it is working properly sending out weather and position data.	KPC-9612	Note: It was noted that the digipeater is not relaying although the settings are correct. The receiver is suspected in the Alinco DR-140 VHF transmitter. Will check on next hill trip.	G	<b>6/1/09 1 Hour</b>  <b>6/9/09 1 Hour</b>  <b>COMPLETED</b>
6/2/09	09265		No	6/2/09 – Reprogrammed controller to allow any changes to controller be announced on UHF repeater.	RLC-2 Deluxe Controller		B G	<b>6/2/09 1 Hour</b>  <b>COMPLETED</b>
6/9/09	09266		No	6/9/09 – APRS digipeater is not relaying. Need to check VHF receiver. 6/23/09 – Adjusted volume and digipeater started relaying.	APRS Digipeater		G	<b>6/23/09 .5 Hour</b>  <b>COMPLETED</b>
7/9/09	09267		No	7/9/09 – Removed RLC-2 controller from site for programming.	RRLC-2 Controller	Note: It is planned to fix Port 3 on RLC-2 Deluxe controller after programming of RLC-2 using it to maintain repeater system during repair.	G B	<b>7/9/09 1 hour</b>

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7/9/09	09268	Ordered 11/13/09 Received 12/15/09	Yes	7/9/09 – DVR-8 did not have indicator lights on when seen on hill. When tested later it did not work. Will check next hill trip. 11/12/09 – DVR 8 power light was on when checked. Testing determined that new DVR 8 was needed as replacement. 12/16/09 – Installed DVR 8 replacement serial number 2005 and will test remotely.	DVR-8		G	<b>7/9/09 .5 hour 11/12/09 3 hours 12/16/09 2 hours</b>
7/9/09	09269		No	7/9/09 – Installed PA-100 keying voltage placard on electric distribution panel.	Electric Dist. Panel		G	<b>7/9/09 .5 hour</b>
12/16/09	09270		No	12/16/09 – Reset Barometer for APRS transmitter. Has been OOC for approximately 2 weeks.	U-2000		G	<b>12/16/09 .5 hours</b>