

# WCRWG Status Report: 2017-02-28

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## **Notes and Updates since last report**

1. Two maintenance sessions were performed at the Hawequas site on 2017-02-21 (last week) by Jan ZS1VDV and Paul ZS1V. The maintenance included battery tests, marking of all plugs and reprogramming of the controller – the flash memory had been corrupted by too many reboots. By all accounts it was a long and arduous day - the detailed report is on the WCRWG website.

## **Donations received since last report**

1. A cash donation in respect of 2 repeater licenses was received from the Cape Town Amateur Radio Centre ZS1CT.
2. A cash donation was received from the Rally Group via Michael Taylor ZS1MJT.
3. It has been **0 weeks** since the last donation was reported.

## **General requirements: upgrade and maintenance program**

1. Cash donations
2. High quality N-type male and female connectors for ½" heliax
3. VHF and UHF ferrite circulators.



## Repeater Information and Status

Repeater status is usually one of **DOWN**, **Operational** or **Testing**.

145.575	<i>Oakdale</i>
<b>Status</b>	<b>DOWN</b>
<b>Frequencies and Tones</b>	Output: 145.575 / Input: 144.975 (ZU9DBI_C)
<b>Mode</b>	D*STAR (6K0F7W - GMSK)
<b>Faults Reported</b>	Work being done on the Oakdale tower.
<b>Site specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	The repeater has a 3 minute transmit timer with an approximate 30 second lockout penalty. This is a factory setting in the controller. Users are advised to set a transmit timeout in their radios of less than 3 minutes.

145.600	<i>Hanskop (Sir Lowry's Pass)</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 145.600 (88.5) / Input: 145.000 (88.5)
<b>Mode</b>	Analogue FM-N (11K0F3E)
<b>Faults Reported</b>	The repeater does not return to the correct channel after a long power outage when the UPS runs down. VHF and/or UHF repeater dropouts reported on audio from Jonaskop.
<b>Site specific requirements</b>	None
<b>Links</b>	1. Link to Jonaskop/145.675 operational.
<b>Notes</b>	DTMF codes are published on the WCRWG website

145.625	<i>Piketberg</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 145.625 (88.5) / Input: 145.025 (88.5)
<b>Mode</b>	Analogue FM-N (11K0F3E)
<b>Faults Reported</b>	None
<b>Site specific requirements</b>	None
<b>Links</b>	1. Link to Hawequas/145.650 operational
<b>Notes</b>	DTMF codes are published on the WCRWG website

145.650	<i>Hawequas (Du Toitskloof Pass)</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 145.650 (88.5) / Input: 145.050 (88.5)
<b>Mode</b>	Analogue FM-N (11K0F3E)
<b>Faults Reported</b>	Big power spikes and outages reported. Audio problem from controller to VHF repeater. No CTCSS output as a result of commercial breakthrough. External temperature sensor faulty.
<b>Site-specific requirements</b>	None
<b>Links</b>	<ol style="list-style-type: none"> <li>1. Link to Hanskop/434.600 operational</li> <li>2. Link to Piketberg/145.625 operational</li> </ol>
<b>Notes</b>	DTMF codes are published on the WCRWG website

145.650	<i>Riversdale</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 145.650 / Input: 145.050
<b>Mode</b>	Analogue FM (16K0F3E)
<b>Faults Reported</b>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	<ol style="list-style-type: none"> <li>1. Link to Jonaskop/145.675 operational</li> <li>2. Link to George/145.700 operational</li> </ol>
<b>Notes</b>	

145.675	<i>Jonaskop (Villiersdorp)</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 145.675 (88.5) / Input: 145.075 (88.5)
<b>Mode</b>	Analogue FM-N (11K0F3E)
<b>Faults Reported</b>	Interference reported – cause still being isolated.
<b>Site-specific requirements</b>	None
<b>Links</b>	<ol style="list-style-type: none"> <li>1. Link to Hanskop/145.600 operational</li> <li>2. Link to Riversdale/145.675 operational</li> </ol>
<b>Notes</b>	DTMF codes are published on the WCRWG website

145.700	<i>Constantiaberg</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 145.700 (88.5) / Input: 145.100 (88.5)
<b>Mode</b>	Analogue FM-N (11K0F3E)
<b>Faults Reported</b>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	Antenna upgrade being planned.

145.700	<i>George</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 145.700 / Input: 145.100
<b>Mode</b>	Analogue FM (16K0F3E)
<b>Faults Reported</b>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	Linked via 438.725MHz repeater at Dana Bay
<b>Notes</b>	DTMF codes are published on the WCRWG website.

145.725	<i>Hermanus (Onrusberg)</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 145.725 / Input: 145.125
<b>Mode</b>	Analogue FM-N (11K0F3E)
<b>Faults Reported</b>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	Link to Hanskop.
<b>Notes</b>	

145.750	<i>Kanonkop (Tygerberg)</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 145.750 (88.5) / Input: 145.150
<b>Mode</b>	Analogue FM (16K0F3E)
<b>Faults Reported</b>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	

434.650	<i>Hanskop (Sir Lowry's Pass)</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 434.650 / Input: 433.050
<b>Mode</b>	Analogue FM-N (11K0F3E)
<b>Faults Reported</b>	Low audio on 434.650 from link. Interference reported.
<b>Site-specific requirements</b>	None
<b>Links</b>	1. Link to Hawequas/145.650 operational
<b>Notes</b>	Change of frequency from 434.600/433.000 necessitated by interference.

434.625	<i>Kanonkop (Tygerberg)</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 434.625 (88.5) / Input: 433.025
<b>Mode</b>	Analogue FM (16K0F3E)
<b>Faults Reported</b>	
<b>Site-specific requirements</b>	None
<b>Links</b>	1. IRLP node 8535 2. Echolink node 796398 (ZU9DCM-R), using EchoIRLP modification.
<b>Notes</b>	Dial-out to other Echolink nodes requires the use of a dial prefix, currently *0 (star-zero), as it is an add-on to IRLP. The disconnect code for a call is '73' – use this for both Echolink and IRLP calls.

438.725	<i>Dana Bay</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 438.725 / Input: 431.125
<b>Mode</b>	Analogue FM (16K0F3E)
<b>Faults Reported</b>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	1. Linked to George, Riversdale
<b>Notes</b>	

<b>ZS0DCC</b>	<b><i>Helderberg Digipeater</i></b>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 144.800 / Input: 144.800
<b>Mode</b>	Digital FM-N (11K0F2D) AFSK
<b>Faults Reported</b>	
<b>Site-specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	

<b>ZS0DZ</b>	<b><i>Kasteelberg Digipeater</i></b>
<b>Status</b>	<b>Testing</b>
<b>Frequencies and Tones</b>	Output: 144.800 / Input: 144.800
<b>Mode</b>	Digital FM-N (11K0F2D) AFSK
<b>Faults Reported</b>	
<b>Site-specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	

<b>ZS1TWO</b>	<b><i>2-Meter Beacon (Lower Burg St)</i></b>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	144.435
<b>Mode</b>	CW
<b>Faults Reported</b>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	20W into a 5-element beam antenna pointing around 50 degrees (NE)

<b>ZS1SIX</b>	<b><i>6-Meter Beacon (CPUT)</i></b>
<b>Status</b>	<b>DOWN</b>
<b>Frequencies and Tones</b>	50.080
<b>Mode</b>	FSK
<b>Faults Reported</b>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	Radio sent for repairs.

Send fault reports via e-mail to: [wc-repeater-fault@googlegroups.com](mailto:wc-repeater-fault@googlegroups.com)

To receive the weekly report direct via e-mail, subscribe to: [wc-repeater-announcements@googlegroups.com](mailto:wc-repeater-announcements@googlegroups.com). You can subscribe by sending an e-mail message to [wc-repeater-announcements+subscribe@googlegroups.com](mailto:wc-repeater-announcements+subscribe@googlegroups.com).

The WCRWG has a new website packed full of information on all the repeaters and detailed reports of activities. You can access this website via the link <http://www.wcrwg.co.za/>

### **Account Information**

Account Name: Western Cape Repeater Working Group (WCRWG)

Bank: FNB

Account type: Cheque

Account number: 62338034937

Branch code: 250655 (Electronic payments)

Branch code: 200612 (Counter deposits)