

# WCRWG Status Report:

2016-10-04

## Notes and Updates since last report

1. Rassie, Jan and Wim (ZS1YT, ZS1VDV and ZR1SWB) went to Hawequas on Sunday 2016-10-09 to investigate problems occurring on the 156.650MHz repeater after Eskom issues over the past few months, Jan's full report is already up on the website.

## Donations received since last report

1. It has been **2 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 1/2" heliax
3. VHF and UHF ferrite circulators.

## Scheduled repeater usage

Please be aware of the following scheduled use of the specified repeaters and, **except for emergency traffic**, kindly keep them clear for these activities. Times are given in SAST.

USE	USER	AFFECTED REPEATERS		FROM	TO	ON	NOTES
Bulletin	ZS1F	145.700	Constantiaberg	19.00	20.00	Mondays	Amateur Radio Newline
Bulletin	HWC	145.700	Constantiaberg	19.30	20.30	Wednesdays	Except the first Wednesday of each month
		145.625	Piketberg				Link system partitioned at Brenton-on-Sea
		434.600	Hanskop				145.650 Hawequa, 145.600 Hanskop isolated
		145.675	Jonaskop				
		145.650	Riversdal				
		145.700	George				
Bulletin	ZS1OAK	145.750	Kanonkop	19.30	20.30	Thursdays	Oakdale Club weekly bulletin
Bulletin	BARK	145.625	Piketberg	07.45	08.00	Sundays	Link system partitioned at Brenton-on-Sea
		145.650	Hawequa				
		434.600	Hanskop				
		145.600	Hanskop				
		145.675	Jonaskop				
		145.650	Riversdal				
		145.700	George				
Bulletin	CTARC	145.750	Kanonkop	08.30	09.30	Sundays	SARL bulletin followed by club bulletin
Bulletin	ZS1AAZ	145.750	Kanonkop	19.00	20.00	Sundays	Amateur Radio Today

## **Repeater Information and Status**

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

145.575	<b>Oakdale</b>
<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	<b>Hanskop (Sir Lowry's Pass)</b>
<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	<b>Piketberg</b>
<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>	1. Link to Hanskop/434.600 operational 2. Link to Piketberg/145.625 operational
<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>	1. Link to Jonaskop/145.675 operational 2. Link to George/145.700 operational
<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>	1. Link to Hanskop/145.600 operational 2. Link to Riversdale/145.675 operational
<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</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>	None
<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>	

434.600	<i>Hanskop (Sir Lowry's Pass)</i>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 434.600 (88.5) / Input: 433.000 (88.5)
<b>Mode</b>	Analogue FM-N (11K0F3E)
<b>Faults Reported</b>	Low audio on 434.600 from link. Interference reported.
<b>Site-specific requirements</b>	None
<b>Links</b>	1. Link to Hawequas/145.650 operational
<b>Notes</b>	

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>	None
<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>Operational</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>	

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

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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)