

# WCRWG Status Report:

2016-06-14

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

1. The ZS1TWO 2-meter CW beacon is operational. The beacon operates from a building in Cape Town city centre, 20W into a 5-element beam antenna pointing NNE.
2. Forms for reception reports of the ZS1TWO and ZS1SIX beacons have been created. Links are published in the **Beacons** section of the WCRWG website.

## **Donations received since last report**

1. None reported.
2. It has been **1 weeks** since the last donation was received.

## **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.

## **Repeater Information and Status**

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

145.575	<i>Oakdale</i>
Status	<b>DOWN</b>
Frequencies and Tones	Output: 145.575 / Input: 144.975 (ZU9DBI_C)
Mode	D*STAR (6K0F7W - GMSK)
Faults Reported	Work being done on the Oakdale tower.
Site specific requirements	None
Links	None
Notes	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>
Status	<b>Operational</b>
Frequencies and Tones	Output: 145.600 (88.5) / Input: 145.000 (88.5)
Mode	Analogue FM-N (11K0F3E)
Faults Reported	
Site specific requirements	None
Links	1. Link to Jonaskop/145.675 operational.
Notes	DTMF codes are published on the WCRWG website

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

145.650	<i>Hawequas (Du Toitskloof Pass)</i>
Status	<b>Operational</b>
Frequencies and Tones	Output: 145.650 (88.5) / Input: 145.050 (88.5)
Mode	Analogue FM-N (11K0F3E)
Faults Reported	
Site specific requirements	None
Links	1. Link to Hanskop/434.600 operational 2. Link to Piketberg/145.625 operational
Notes	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>	
<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>	Faults: Link controller speech chip faulty. All DTMF macros except the linking and unlinking ones are disabled.
<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</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
<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>	

<i>ZS0DCC</i>	<i>Helderberg Digipeater</i>
<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>	

<i>ZS0DZ</i>	<i>Kasteelberg Digipeater</i>
<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>2-Meter Beacon (Lower Burg St)</b>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	144.430
<b>Mode</b>	CW
<b>Faults Reported</b>	None
<b>Site specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	

<b>ZS1SIX</b>	<b>6-Meter Beacon (CPUT)</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)

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)