

# WCRWG Status Report: 2021-10-29

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

1. This and previous reports can be found at <http://wcrwg.co.za/category/status-report/>

## **Donations received since last report**

1. Donation of a 12V battery from Grant Colson ZS1GRC received on 15 October 2021;
2. Cash donation from Andre Shaw ZS1AN received on 28 October 2021;

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

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



## **Repeater Information and Status**

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

<b>145.575</b>	<b><i>Bottelary</i></b>
<b>Status</b>	<b>Operational</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>	None
<b>Site specific requirements</b>	Set RPT1 as ZU9DBI_C, RPT2 as ZU9DBI_G – replace _ with a space.
<b>Links</b>	Internet – ZU9DBI_G gateway – default linked to TG655
<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.

<b>145.600</b>	<b><i>Hanskop (Sir Lowry's Pass)</i></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>	None
<b>Site specific requirements</b>	None
<b>Links</b>	Link to Jonaskop/145.675 operational
<b>Notes</b>	DTMF codes are published on the WCRWG website

<b>145.625</b>	<b><i>Piketberg</i></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>	Link to Hawequas/145.650 operational
<b>Notes</b>	DTMF codes are published on the WCRWG website

<b>145.650</b>	<b><i>Hawequas (Du Toitskloof Pass)</i></b>
<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

<b>145.650</b>	<b><i>Riversdale</i></b>
<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>	3. Link to Jonaskop/145.675 operational 4. Link to George/145.700 disconnected due to low audio.
<b>Notes</b>	

<b>145.675</b>	<b><i>Jonaskop (Villiersdorp)</i></b>
<b>Status</b>	<b>Partially 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>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	1. Link to Hanskop/145.600 <b>down</b> 2. Link to Riversdale/145.650 <b>down</b>
<b>Notes</b>	DTMF codes are published on the WCRWG website

<b>145.700</b>	<b>Constantiaberg</b>
<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.

<b>145.700</b>	<b>George</b>
<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.

<b>145.725</b>	<b>Hermanus (Onrusberg)</b>
<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>	

<b>145.750</b>	<b>Kanonkop (Tygerberg)</b>
<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>	

<b>434.650</b>	<b><i>Hanskop (Sir Lowry's Pass)</i></b>
<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>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	1. Link to Hawequas/145.650 operational
<b>Notes</b>	

<b>434.625</b>	<b><i>Kanonkop (Tygerberg)</i></b>
<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>	IRLP/Echolink currently disabled pending computer repairs.
<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.

<b>438.725</b>	<b><i>Dana Bay</i></b>
<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>438.300</b>	<b><i>Bottelary</i></b>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 438.300 / Input: 430.700
<b>Mode</b>	1 - DMR (7K60FXD/E - 4FSK) 2 - D*STAR (6K0F7W – GMSK) 3 – Yaesu System Fusion (11K2F7W - C4FM)
<b>Faults Reported</b>	None
<b>Site specific requirements</b>	For D*STAR, set RPT1 as ZU9DMR_B, RPT2 as ZU9DMR_G – replace “_” character with a space.
<b>Links</b>	Internet – ZU9DMR_G gateway
<b>Notes</b>	DMR ID 655101 The repeater will autodetect modes as long as no other mode is operational.

<b>438.350</b>	<b><i>Helderberg DMR</i></b>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 438.350 / Input: 430.750
<b>Mode</b>	DMR (7K60FXD/E - 4FSK)
<b>Faults Reported</b>	None
<b>Site specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	DMR ID 655102

<b>438.400</b>	<b><i>Noon Gun DMR</i></b>
<b>Status</b>	<b>Operational</b>
<b>Frequencies and Tones</b>	Output: 438.400 / Input: 430.800
<b>Mode</b>	DMR (7K60FXD/E - 4FSK)
<b>Faults Reported</b>	None
<b>Site specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	DMR ID 655001

<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>	None
<b>Site-specific requirements</b>	None
<b>Links</b>	None
<b>Notes</b>	None

<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>	None



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/>

Any notes, updates, incidents or donations are to be sent by e-mail to '[reports@wcrwg.co.za](mailto:reports@wcrwg.co.za)' to reach that mailbox no later than 16:00 SAST on the Tuesday of publication of the report. Any information received after that will be held over to the following report.

### **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)