

# WCRWG Status Report: 2025-05-06

## **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. 1 April 2025 - Donation of cash received from Lee Bezuidenhout ZS1GWL;
2. 7 April 2025 - Donation of cash received from Dirk Hagendoorn ZS1DAH;
3. 8 April 2025 - Donation of cash received from the Rally Group, represented by Michael Taylor ZS1MJT;
4. 17 April 2025 - Donation of cash received from Anton Roux ZR1RA;
5. 27 April 2025 - Donation of cash received from Jean-Pierre Nyman ZS1XJP;

Note: All donations of cash, services and equipment are greatly appreciated and acknowledged by the WCRWG Committee in writing. Any donations not acknowledged in this report will appear in the following report.

## **General**

1. This document was created by Sean ZS1BSD;
2. It has been maintained by Paul van Spronsen ZS1V;
3. The WCRWG thank Paul for his services of preparation, maintenance and distribution of the report over many years;
4. The responsibility for maintain this report has been assigned to Johan le Roux ZR1JL from January 2025;
5. The WCRWG Committee provides input and oversight in preparing this report;
6. Users of the Western Cape Repeater Network are requested and encouraged to report any faults on [wc-repeater-fault@googlegroups.com](mailto:wc-repeater-fault@googlegroups.com) as well as [reports@wcrwg.co.za](mailto:reports@wcrwg.co.za);
7. The WCRWG encourage you to use the repeater network and we appreciate your feedback;

## **Notice of 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
Net	CTARC	145.750 Kanonkop	20.00	21.00	Mondays	Cape Town Amateur Radio Centre - Net
Bulletin	HWC	145.700 Constantiaberg	19.30	20.30	Wednesdays	Hamnet Western Cape - Except the first Wednesday of each month
Bulletin	CTARC	145.750 Kanonkop	08.30	09.30	Sundays	SARL bulletin followed by Cape Town Amateur Radio Centre bulletin
Bulletin	BARK	145.700 Constantiaberg	09.30	10.30	Sundays	SARL bulletin followed by Boland Amateur Radio Klub bulletin

## Repeater Information and Status

Repeater status is usually one of **DOWN**, **OPERATIONAL**, **DECOMMISSIONED** or **TESTING**.

<b>145.575</b>	<b>Bottelary</b>
<b>Status</b>	<b>DECOMMISSIONED</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>Power</b>	Eskom mains (zone 10/14 ?); battery backup with mains recharge
<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. The future location and use of this equipment will be considered and communicated by the WCRWG.

<b>145.600</b>	<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>	None
<b>Site specific requirements</b>	None
<b>Links</b>	<ol style="list-style-type: none"><li>1. Link to Jonaskop/145.675 <b>OPERATIONAL</b></li><li>2. Link to Onrusberg/145.725 <b>OPERATIONAL</b></li></ol>
<b>Power</b>	Eskom mains (zone 5); battery backup with mains recharge
<b>Notes</b>	DTMF codes are published on the WCRWG website There is an intermittent hissing sound, possibly due to a power supply problem. The access road is impassable. Plans are however being made to visit the site to investigate and repair the installation.

<b>145.625</b>	<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>	Link to Hawequas/145.650 <b>DOWN</b>
<b>Power</b>	Eskom mains (zone 15?); Sentech generator backup
<b>Notes</b>	DTMF codes are published on the WCRWG website. Ongoing maintenance is planned for this installation, but it should not result in any disruption to its availability.

<b>145.650</b>	<b><i>Hawequas (Du Toits Kloof 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>	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/434.650 <b>DOWN</b> 2. Link to Piketberg/145.625 <b>DOWN</b>
<b>Power</b>	Solar PV and batteries
<b>Notes</b>	DTMF codes are published on the WCRWG website. Ongoing maintenance is planned for this installation, but it should not result in any disruption to its availability.

<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>	1. Link to Jonaskop/145.675 <b>OPERATIONAL</b> 2. Link to George/145.700 <b>OPERATIONAL</b>
<b>Power</b>	Eskom mains (zone 2/4?)
<b>Notes</b>	The linked system from Riversdale to George is working 100%. Riversdale 145.650, Danabaai UHF and George 145.700 are loud and clear.

<b>145.675</b>	<b><i>Jonaskop (Villiersdorp)</i></b>
<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>	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>Power</b>	Eskom mains (zone 4); battery backup with solar recharge
<b>Notes</b>	DTMF codes are published on the WCRWG website The WCRWG is working on a solution get the link between Cape Town and George operational again. Plans include the site being rebuilt with a 4-stack antenna and updated equipment.

<b>145.700</b>	<b><i>Constantiaberg</i></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>Power</b>	Eskom mains (zone ?); Sentech generator backup
<b>Notes</b>	Antenna upgrade being planned. This work was completed in 2024, and the installation is stable

<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>	Link to Dana Bay/438.725MHz
<b>Power</b>	Eskom mains (zone?); battery backup with mains recharge
<b>Notes</b>	DTMF codes are published on the WCRWG website. In April there was vandalism to the site and neighbouring installations. The installation remains operational.

<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/434.650 operational
<b>Power</b>	Eskom mains (zone 3/6?)
<b>Notes</b>	Reinstallation complete.

<b>145.750</b>	<b>Kanonkop (Tygerberg)</b>
<b>Status</b>	<b>OPERATIONAL</b>
<b>Frequencies and Tones</b>	Output: 145.750 / 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>Power</b>	CoCT mains (zone 6); battery backup with mains recharge
<b>Notes</b>	Some problems with Echolink and general usage were reported at the end of March 2024, and these have been attended to and resolved. Some problems were experienced in April, and these were attended to by a team from CTARC.

	<b>Other</b>
<b>145.750</b>	<b>Albertinia OPERATIONAL</b>
<b>145.625</b>	<b>Still Bay OPERATIONAL</b>
<b>145.600</b>	<b>Mossel Bay OPERATIONAL</b>
<b>145.600</b>	<b>Sutherland OPERATIONAL</b>
<b>438.725</b>	<b>Mossel Bay / Dana Bay (for handhelds) OPERATIONAL (7.6MHz)</b>
<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>	<ol style="list-style-type: none"> <li>1. Link to Hawequas/145.650 <b>DOWN</b></li> <li>2. Link to Onrusberg/145.725 operational</li> </ol>
<b>Power</b>	Eskom mains (zone 5); battery backup with mains recharge
<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 / 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>	<ol style="list-style-type: none"> <li>1. IRLP node 8535</li> <li>2. Echolink node 796398 (ZU9DCM-R), using EchoIRLP modification</li> </ol>
<b>Power</b>	CoCT mains (zone 6); battery backup with mains recharge
<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>438.300</b>	<b><i>Bottelary</i></b>
<b>Status</b>	<b>DECOMMISSIONED</b>
<b>Frequencies and Tones</b>	Output: 438.300 / Input: 430.700
<b>Mode</b>	<ol style="list-style-type: none"> <li>1 – DMR (7K60FXD/E – 4FSK)</li> <li>2 – D*STAR (6K0F7W – GMSK)</li> <li>3 – Yaesu System Fusion (11K2F7W – C4FM)</li> </ol>
<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>Power</b>	Eskom mains (zone 10/14?);
<b>Notes</b>	<p>DMR ID 655101</p> <p>The repeater will autodetect modes as long as no other mode is operational. The future location and use of this equipment will be considered and communicated by the WCRWG.</p>

<b>438.350</b>	<b>Helderberg DMR</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>Power</b>	City of Cape Town mains (zone 3)
<b>Notes</b>	DMR ID 655102 Currently without an internet connection but still works excellently as a local digital repeater. This situation is being investigated and will be attended to as soon as the nature of the problem has been identified.

<b>438.400</b>	<b>Noon Gun DMR</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>Power</b>	City of Cape Town mains (zone 7); battery backup with mains recharge
<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>Power</b>	City of Cape Town mains (zone 3); battery backup with mains recharge
<b>Notes</b>	None

<b>ZS0DZ</b>	<b><i>Du Toits Kloof 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>Power</b>	Solar PV
<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>Power</b>	City of Cape Town mains (zone 7)
<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>Power</b>	City of Cape Town mains (zone 1)
<b>Notes</b>	None

### **Notes:**

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)