

WCRWG Status Report: 2025-02-05

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. Cash donation from Lem Melidonis ZS1LEM, received on 21 January 2025;
2. Cash donation from Jean-Pierre Nyman ZS1XJP, received on 27 January 2025;
3. 6 x 200W Solar Panels donation from Grant Colson ZS1GWL, received on 24 January 2025;

Note: All donations of cash, services and equipment is greatly appreciated and acknowledged by the 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 committee thanks Paul for his services of preparation, maintenance and distribution of the this report over many years;
4. The responsibility for maintain this report has now been assigned to Johan le Roux ZR1JL;
5. The 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 as well as reports@wcrwg.co.za;
7. We encourage you to use the repeater network and we appreciate your feedback;

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	CT Net
Bulletin	HWC	145.700	Constantiaberg	19.30	20.30	Wednesdays	Except the first Wednesday of each month
Bulletin	BARK	145.700	Constantiaberg	09.30	10.30	Sundays	
Bulletin	CTARC	145.750	Kanonkop	08.30	09.30	Sundays	SARL bulletin followed by club bulletin

Repeater Information and Status

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

145.575	Bottelary
Status	DECOMMISSIONED
Frequencies and Tones	Output: 145.575 / Input: 144.975 (ZU9DBI_C)
Mode	D*STAR (6K0F7W – GMSK)
Faults Reported	None
Site specific requirements	Set RPT1 as ZU9DBI_C, RPT2 as ZU9DBI_G – replace _ with a space.
Links	Internet – ZU9DBI_G gateway – default linked to TG655
Power	Eskom mains (zone 10/14 ?); battery backup with mains recharge
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	Hanskop (Sir Lowry's Pass)
Status	Operational
Frequencies and Tones	Output: 145.600 (88.5) / Input: 145.000 (88.5)
Mode	Analogue FM-N (11K0F3E)
Faults Reported	None
Site specific requirements	None
Links	<ol style="list-style-type: none">1. Link to Jonaskop/145.675 operational2. Link to Onrusberg/145.725 operational
Power	Eskom mains (zone 5); battery backup with mains recharge
Notes	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.

145.625	Piketberg
Status	Operational
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	Link to Hawequas/145.650 DOWN
Power	Eskom mains (zone 15?); Sentech generator backup
Notes	DTMF codes are published on the WCRWG website

145.650	<i>Hawequas (Du Toitskloof Pass)</i>
Status	Operational
Frequencies and Tones	Output: 145.650 (88.5) / Input: 145.050 (88.5)
Mode	Analogue FM-N (11K0F3E)
Faults Reported	Audio problem from controller to VHF repeater. No CTCSS output as a result of commercial breakthrough. External temperature sensor faulty.
Site-specific requirements	None
Links	<ol style="list-style-type: none"> 1. Link to Hanskop/434.650 DOWN 2. Link to Piketberg/145.625 DOWN
Power	Solar PV and batteries
Notes	DTMF codes are published on the WCRWG website

145.650	<i>Riversdale</i>
Status	Operational
Frequencies and Tones	Output: 145.650 / Input: 145.050
Mode	Analogue FM (16K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	<ol style="list-style-type: none"> 1. Link to Jonaskop/145.675 operational 2. Link to George/145.700 operational
Power	Eskom mains (zone 2/4?)
Notes	

145.675	<i>Jonaskop (Villiersdorp)</i>
Status	Operational
Frequencies and Tones	Output: 145.675 (88.5) / Input: 145.075 (88.5)
Mode	Analogue FM-N (11K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	<ol style="list-style-type: none"> 1. Link to Hanskop/145.600 DOWN 2. Link to Riversdale/145.650 DOWN
Power	Eskom mains (zone 4); battery backup with solar recharge
Notes	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.

145.700	Constantiaberg
Status	Operational
Frequencies and Tones	Output: 145.700 (88.5) / Input: 145.100 (88.5)
Mode	Analogue FM-N (11K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	None
Power	Eskom mains (zone ?); Sentech generator backup
Notes	Antenna upgrade being planned.

145.700	George
Status	Operational
Frequencies and Tones	Output: 145.700 / Input: 145.100
Mode	Analogue FM (16K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	Link to Dana Bay/438.725MHz DOWN
Power	Eskom mains (zone?); battery backup with mains recharge
Notes	DTMF codes are published on the WCRWG website.

145.725	Hermanus (Onrusberg)
Status	Operational
Frequencies and Tones	Output: 145.725 / Input: 145.125
Mode	Analogue FM-N (11K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	Link to Hanskop/434.650 operational
Power	Eskom mains (zone 3/6?)
Notes	Reinstallation complete

145.750	Kanonkop (Tygerberg)
Status	Operational
Frequencies and Tones	Output: 145.750 / Input: 145.150
Mode	Analogue FM (16K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	None
Power	CoCT mains (zone 6); battery backup with mains recharge
Notes	

	Other
145.750	Albertinia Operational
145.625	Still Bay Operational
145.600	Mossel Bay Operational
438.725	Mossel Bay / Dana Bay (for handhelds) Operational (7.6MHz)
Notes	

434.650	<i>Hanskop (Sir Lowry's Pass)</i>
Status	Operational
Frequencies and Tones	Output: 434.650 / Input: 433.050
Mode	Analogue FM-N (11K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	1. Link to Hawequas/145.650 DOWN 2. Link to Onrusberg/145.725 operational
Power	Eskom mains (zone 5); battery backup with mains recharge
Notes	

434.625	<i>Kanonkop (Tygerberg)</i>
Status	Operational
Frequencies and Tones	Output: 434.625 / Input: 433.025
Mode	Analogue FM (16K0F3E)
Faults Reported	IRLP/Echolink currently disabled pending computer repairs.
Site-specific requirements	None
Links	1. IRLP node 8535 2. Echolink node 796398 (ZU9DCM-R), using EchoIRLP modification
Power	CoCT mains (zone 6); battery backup with mains recharge
Notes	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.

438.300	<i>Bottelary</i>
Status	DECOMMISSIONED
Frequencies and Tones	Output: 438.300 / Input: 430.700
Mode	1 – DMR (7K60FXD/E – 4FSK) 2 – D*STAR (6K0F7W – GMSK) 3 – Yaesu System Fusion (11K2F7W – C4FM)
Faults Reported	None
Site specific requirements	For D*STAR, set RPT1 as ZU9DMR_B, RPT2 as ZU9DMR_G – replace “_” character with a space.
Links	Internet – ZU9DMR_G gateway
Power	Eskom mains (zone 10/14?);
Notes	DMR ID 655101 The repeater will autodetect modes as long as no other mode is operational.

438.350	Helderberg DMR
Status	Operational
Frequencies and Tones	Output: 438.350 / Input: 430.750
Mode	DMR (7K60FXD/E – 4FSK)
Faults Reported	None
Site specific requirements	None
Links	None
Power	City of Cape Town mains (zone 3)
Notes	DMR ID 655102 Currently without an internet connection, but still works excellently as a local digital repeater.

438.400	Noon Gun DMR
Status	Operational
Frequencies and Tones	Output: 438.400 / Input: 430.800
Mode	DMR (7K60FXD/E – 4FSK)
Faults Reported	None
Site specific requirements	None
Links	None
Power	City of Cape Town mains (zone 7); battery backup with mains recharge
Notes	DMR ID 655001

ZS0DCC	<i>Helderberg Digipeater</i>
Status	Operational
Frequencies and Tones	Output: 144.800 / Input: 144.800
Mode	Digital FM-N (11K0F2D) AFSK
Faults Reported	None
Site-specific requirements	None
Links	None
Power	City of Cape Town mains (zone 3); battery backup with mains recharge
Notes	None

ZS0DZ	<i>Du Toitskloof Digipeater</i>
Status	Operational
Frequencies and Tones	Output: 144.800 / Input: 144.800
Mode	Digital FM-N (11K0F2D) AFSK
Faults Reported	None
Site-specific requirements	None
Links	None
Power	Solar PV
Notes	None

ZS1TWO	<i>2-Meter Beacon (Lower Burg St)</i>
Status	Operational
Frequencies and Tones	144.435
Mode	CW
Faults Reported	None
Site-specific requirements	None
Links	None
Power	City of Cape Town mains (zone 7)
Notes	20W into a 5-element beam antenna pointing around 50 degrees (NE)

ZS1SIX	<i>6-Meter Beacon (CPUT)</i>
Status	Operational
Frequencies and Tones	50.080
Mode	FSK
Faults Reported	None
Site-specific requirements	None
Links	None
Power	City of Cape Town mains (zone 1)
Notes	None

Send fault reports via e-mail to: wc-repeater-fault@googlegroups.com

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