

WCRWG Status Report:

2017-04-11

Notes and Updates since last report

1. The WCRWG has commissioned its first digital voice repeater high site on Bottelary on Sunday. ZS1VDV and ZS1DDK completed the main, physical installation on Sunday 19 March 2017. The site is equipped with an Icom ID-RP2C/RP2000V D-Star repeater as well as a MMDVM UHF repeater that provides both DMR and D-Star modes. Both are connected to the Internet. The full report on the installation, with pictures, is available on the website.

Donations received since last report

1. None reported.
2. It has been **1 week** 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 ½" 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 Newsline
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
		434.650	Hanskop				145.650 Hawequa, 145.600 Hanskop isolated
		145.725	Onrusberg				
		145.675	Jonaskop				
		145.650	Riversdal				
		145.700	George				
Bulletin	ZS1OAK	145.700	Constantiaberg	19.00	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				
		434.650	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
Rally	SCG	145.650	Hawequa	06.00	16.30	2017-04-01	CPMCC motor rally around Malmesbury area.

Repeater Information and Status

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

145.575	<i>Bottelary</i>
Status	Operational
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 space.
Links	Internet – ZU9DBI_G gateway
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	Operational
Frequencies and Tones	Output: 145.600 (88.5) / Input: 145.000 (88.5)
Mode	Analogue FM-N (11K0F3E)
Faults Reported	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.
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	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	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	Operational
Frequencies and Tones	Output: 145.650 (88.5) / Input: 145.050 (88.5)
Mode	Analogue FM-N (11K0F3E)
Faults Reported	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.
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>
Status	Operational
Frequencies and Tones	Output: 145.650 / Input: 145.050
Mode	Analogue FM (16K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	1. Link to Jonaskop/145.675 operational 2. Link to George/145.700 operational
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	Interference reported – cause still being isolated.
Site-specific requirements	None
Links	1. Link to Hanskop/145.600 operational 2. Link to Riversdale/145.675 operational
Notes	DTMF codes are published on the WCRWG website

145.700	<i>Constantiaberg</i>
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
Notes	Antenna upgrade being planned.

145.700	<i>George</i>
Status	Operational
Frequencies and Tones	Output: 145.700 / Input: 145.100
Mode	Analogue FM (16K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	Linked via 438.725MHz repeater at Dana Bay
Notes	DTMF codes are published on the WCRWG website.

145.725	<i>Hermanus (Onrusberg)</i>
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.
Notes	

145.750	<i>Kanonkop (Tygerberg)</i>
Status	Operational
Frequencies and Tones	Output: 145.750 (88.5) / Input: 145.150
Mode	Analogue FM (16K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	None
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	Low audio on 434.650 from link. Interference reported.
Site-specific requirements	None
Links	1. Link to Hawequas/145.650 operational
Notes	Change of frequency from 434.600/433.000 necessitated by interference.

434.625	<i>Kanonkop (Tygerberg)</i>
Status	Operational
Frequencies and Tones	Output: 434.625 (88.5) / Input: 433.025
Mode	Analogue FM (16K0F3E)
Faults Reported	
Site-specific requirements	None
Links	1. IRLP node 8535 2. Echolink node 796398 (ZU9DCM-R), using EchoIRLP modification.
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.

438.725	<i>Dana Bay</i>
Status	Operational
Frequencies and Tones	Output: 438.725 / Input: 431.125
Mode	Analogue FM (16K0F3E)
Faults Reported	None
Site-specific requirements	None
Links	1. Linked to George, Riversdale
Notes	

438.300	<i>Bottelary</i>
Status	Operational
Frequencies and Tones	Output: 438.300 / Input: 430.700
Mode	1 - DMR (7K60FXD/E 4FSK) 2 - D*STAR (6K0F7W - GMSK)
Faults Reported	None
Site specific requirements	For D-STAR, set RPT1 as ZU9DBI_B, RPT2 as ZU9DBI_G – replace _ with space.
Links	Internet – ZU9DBI_G gateway
Notes	

ZS0DCC	<i>Helderberg Digipeater</i>
Status	Operational
Frequencies and Tones	Output: 144.800 / Input: 144.800
Mode	Digital FM-N (11K0F2D) AFSK
Faults Reported	
Site-specific requirements	None
Links	None
Notes	

ZS0DZ	<i>Kasteelberg Digipeater</i>
Status	DOWN
Frequencies and Tones	Output: 144.800 / Input: 144.800
Mode	Digital FM-N (11K0F2D) AFSK
Faults Reported	
Site-specific requirements	None
Links	None
Notes	Digipeater has been powered off pending deployment decision.

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
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
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/>

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)