

WCRWG Status Report: 2016-02-09

Notes and Updates since last report

1. Jan van der Vyver ZS1VDV and Mike Kellett ZS1TAF performed upgrades and maintenance work on the 145.675MHz repeater at Jonaskop on Saturday 6 February. A new mini-rack was installed and the repeater was replaced with one aligned to the controller and link radios. A new rack-mount PSU and circulator were installed along with the controller and link radios. The fly lead between the duplexer and the heliax was replaced, the connection to the 4-stack was serviced - some water was dried out and the connection triple-sealed. Initial reports indicate a significant improvement in the signal from the repeater. Further signal reports welcome.
2. A new addition to the status report – the Riversdale repeater will be included in the WCRWG report henceforth. See below for the details.

Donations received since last report

1. None reported
2. It has been **9 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 ½" heliax
3. VHF and UHF ferrite circulators.

Repeater Information and Status

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

145.575	Oakdale
Status	DOWN
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	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	
Site specific requirements	None
Links	1. Link to Jonaskop/145.675 down.
Notes	

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	1. Link to Hawequas/145.650 operational
Notes	DTMF codes: 8100 – V+U link (default) 8104 – no link 8120 – parrot repeater 8121 – inside temperature 8122 – outside temperature 8123 – PSU voltage Controller will self-reset to default if no change after 9 hours.

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	
Site specific requirements	None
Links	<ol style="list-style-type: none"> 1. Link to Hanskop/434.600 down 2. Link to Piketberg/145.625 operational
Notes	DTMF codes: 8000 – V+U link (default) 8004 – no link 8020 – parrot repeater 8021 – inside temperature 8022 – outside temperature 8023 – Battery voltage Controller will self-reset to default if no change after 9 hours.

145.650	<i>Riversdale</i>
Status	Operational
Frequencies and Tones	Output: 145.650 / Input: 145.050
Mode	Analogue FM (16K0F3E)
Faults Reported	
Site specific requirements	None
Links	<ol style="list-style-type: none"> 1. Link to Jonaskop/145.675 operational 2. Link to George down at George.
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	
Site specific requirements	None
Links	<ol style="list-style-type: none"> 1. Link to Hanskop/145.600 operational 2. Link to Riversdale/145.675 operational
Notes	

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.

145.725	<i>Hermanus</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	None
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	

434.600	<i>Hanskop (Sir Lowry's Pass)</i>
Status	DOWN
Frequencies and Tones	Output: 434.600 (88.5) / Input: 433.000 (88.5)
Mode	Analogue FM-N (11K0F3E)
Faults Reported	Low audio on 434.600 from link
Site specific requirements	None
Links	1. Link to Hawequas/145.650 down
Notes	

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	None
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.

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

ZS1SIX	6meter Beacon (CPUT)
Status	Operational
Frequencies and Tones	50.080
Mode	FSK
Faults Reported	None
Site specific requirements	None
Links	None
Notes	

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.

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)