



GOVERNMENT GAZETTE

OF THE

REPUBLIC OF NAMIBIA

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General Notices

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 406

2012

NOTICE IN TERMS OF THE REGULATIONS REGARDING LICENSING PROCEDURES FOR TELECOMMUNICATIONS AND BROADCASTING SERVICE LICENCES AND SPECTRUM USE LICENCES

The Communications Regulatory Authority of Namibia, in terms of regulation 11 and 19 of the “Regulations Regarding Licensing Procedures for Telecommunications and Broadcasting Service Licences and Spectrum Use Licences”, in Government Gazette No. 4785, Notice No. 272, dated 29 August 2011, herewith gives notice of the following person who is issued with a Telecommunications Service License:

Licensee	Licensee's citizenship or place of incorporation	Percentage of Licensees Stock owned by Namibian Citizens or Namibian Companies Controlled by Namibian Citizens	Category of class telecommunication service licence issued	Telecommunication services intended to be provided by applicant	Proof of Licence Application Fees Paid Up to Date Submitted
Virtual Technology Services (Pty) Ltd	Namibia	100%	Class Comprehensive Telecommunications Service Licence (ECS and ECNS)	Electronic Communications	No

The license is issued subject to the Communications Act, 2009 (Act No 8 of 2009) and the Regulations Regarding Licence Conditions for Telecommunications Service Licences, as published in Government Gazette No. 5037, Notice No. 308, dated 13 September 2012.

L. N. JACOBS

CHAIRPERSON - BOARD OF DIRECTORS

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 407

2012

NOTICE IN TERMS OF THE REGULATIONS REGARDING LICENSING PROCEDURES FOR TELECOMMUNICATIONS AND BROADCASTING SERVICE LICENCES AND SPECTRUM USE LICENCES

The Communications Regulatory Authority of Namibia, in terms of Regulation 13 (11) of the "Regulations Regarding Licensing Procedures for Telecommunications and Broadcasting Service Licences and Spectrum Use Licences", as published in Government Gazette No. 4785, Notice No. 272, dated 29 August 2011 read with section 42(2) of the Communications Act, 2009 (Act No 8 of 2009), herewith gives notice of the following licensee, whose license has been modified as follows:

No.	Licensee	Modified Licence	Grounds for Modification	New Frequency Assigned
1.	Hitradio Namibia CC	Spectrum Use Licence	The Licensee has been assigned the frequencies 97.0 MHz for the geographic areas: Swakopmund, Walvis Bay and Rossing Mountain. There is an adjacent channel interference experienced with the Namibian Broadcasting Corporation's, German FM broadcasting frequency of 96.9 MHz transmitting from Erongo Mountain at 100w. ¹	97.5 MHz for the geographic areas; Swakopmund, Walvis Bay and Rossing Mountain.

L. JACOBS

CHAIRPERSON - BOARD OF DIRECTORS

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

¹As per notice issued in terms of regulation 13(1) of the Regulations Regarding Licensing Procedures for Telecommunications and Broadcasting Service Licences and Spectrum Use License, to licensee, dated 3 July 2012.

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 408

2012

**NOTICE IN TERMS OF THE REGULATIONS REGARDING LICENSING PROCEDURES
FOR TELECOMMUNICATIONS AND BROADCASTING SERVICE LICENCES AND
SPECTRUM USE LICENCES**

The Communications Regulatory Authority of Namibia, in terms of regulation 11 of the “Regulations Regarding Licensing Procedures for Telecommunications and Broadcasting Service Licences and Spectrum Use Licences”, in Government Gazette No. 4785, Notice No. 272, dated 29 August 2011, herewith gives notice that the Broadcasting Service Licensees referred to in the table below, submitted application for Spectrum Use Licenses to the Authority:

Licensee	Licensee's citizenship or place of incorporation	Percentage of Stock owned by Namibian Citizens or Namibian Companies controlled by Namibian Citizens	List of radio frequencies or groups of radio applied for	Description of geographic coverage area(s)			License Fees Outstanding	Service to be provided using frequency assigned	Party providing Signal Distribution
				Region	District	City/Town			
Media for Christ (Association incorporated not for gain)	Namibia	100%	102.3 MHz	Karas	Rosh Pinah	Rosh Pinah - Mine Tower	Yes	Community Service Broadcasting	Own
Hit Radio Namibia CC	Namibia	100%	90.0 MHz	Otjozondjupa	Oka-karara/Otjiwarango	Klein Waterberg Tower (NBC)	Yes	Commercial Service Broadcasting	Own
			90.4 MHz	Oshikoto	Grootfontein	Signal Berg Tower (NBC)			
			94.7 MHz	Erongo	Karibib	Erongo Mountain			
			97.5 MHz	Karas	Lüderitz	Water Reservoir			

The public may submit comments in writing to the Authority within a period of fourteen (14) days from the date of publication of this notice in the *Gazette*.

The applicant may submit written reply comments within fourteen (14) days from the due date of the written public comments.

All written submissions must contain the name and contact details of the person making the written submissions and the name and contact details of the person for whom the written submission is made, if different and be clear and concise.

All written submissions and reply comments must be made either physically or electronically –

- (1) By hand to the head offices of the Authority, namely Communication House, 56 Robert Mugabe Avenue, Windhoek;
- (2) By post to the head offices of the Authority, namely Private Bag 13309, Windhoek 9000;
- (3) By electronic mail to the following address: legal@cran.na;

- (4) By facsimile to the following facsimile number: +264 61 222790; or
- (5) By fax to e-mail to: 088642748.

S. SHANAPINDA
CHIEF EXECUTIVE OFFICER
COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 409

2012

**NOTICE IN TERMS OF THE REGULATIONS REGARDING LICENSING PROCEDURES
 FOR TELECOMMUNICATIONS AND BROADCASTING SERVICE LICENCES AND
 SPECTRUM USE LICENCES**

The Communications Regulatory Authority of Namibia, in terms of regulation 11 of the “Regulations Regarding Licensing Procedures for Telecommunications and Broadcasting Service Licences and Spectrum Use Licences”, in Government Gazette No. 4785, Notice No. 272, dated 29 August 2011, herewith gives notice that the persons referred to in the table below have submitted the following applications to the Authority:

Broadcasting Service Licence Applications:

Applicant's Name	Applicant's citizenship or place of incorporation	Percentage of Stock owned by Namibian Citizens or Namibian Companies controlled by Namibian Citizens	Category of Broadcasting Service Licence as contemplated in the Regulations Setting out Broadcasting and Telecommunications Service Licence categories	Provision of Signal Distribution	Whether applicant intends to use spectrum in the provision of broadcasting services intended to be provided	Proof of Application fees paid up to date submitted?
Equity Broadcasting CC t/a Equity FM	Namibia	100%	Commercial Broadcasting Service License	Own	Yes	Yes
Gospel Mission Ministries (ASSOCIATION INCORPORATED NOT FOR GAIN) t/a Kairos Radio Station	Namibia	100%	Community Broadcasting Service License	Own	Yes	Yes

Spectrum Use Licence Applications:

Applicant's Name	Applicant's citizenship or place of incorporation	Percentage of Stock owned by Namibian Citizens or Namibian Companies controlled by Namibian Citizens	List of radio frequencies or groups of radio	Description of geographic coverage area(s)			License Fees Outstanding	Service to be provided using frequency applied for	Party providing Signal Distribution
				Region	District	City/Town			
Equity Broadcasting CC t/a Equity FM	Namibia	100%	90.1 MHz	Kavango	Katima	Katima	Yes	Commercial Service Broadcasting	Own
			93.1 MHz	Otjozondjupa	Okakarara/ Otjiwarongo	Klein Waterberg			
			90.1 MHz	Erongo	Karibib	Rossing Mountain			
Gospel Mission Ministries (INC ASS NOT FOR GAIN) t/a Kairos Radio Station	Namibia	100%	97.1 MHz	Hardap	Rehoboth	Rehoboth	Yes	Community Service Broadcasting	Own

The public may submit comments in writing to the Authority within a period of fourteen (14) days from the date of publication of this notice in the *Gazette*.

The applicant may submit written reply comments within fourteen (14) days from the due date of the written public comments.

All written submissions must contain the name and contact details of the person making the written submissions and the name and contact details of the person for whom the written submission is made, if different and be clear and concise.

All written submissions and reply comments must be made either physically or electronically –

- (1) By hand to the head offices of the Authority, namely Communication House, 56 Robert Mugabe Avenue, Windhoek;
- (2) By post to the head offices of the Authority, namely Private Bag 13309, Windhoek 9000;
- (3) By electronic mail to the following address: legal@cran.na;
- (4) By facsimile to the following facsimile number: +264 61 222790; or
- (5) By fax to e-mail to: 088642748.

S. SHANAPINDA
CHIEF EXECUTIVE OFFICER
COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 410

2012

NOTICE OF INTENTION TO MAKE REGULATIONS REGARDING THE FREQUENCY CHANNELING PLAN FOR DIGITAL TERRESTRIAL TELEVISION¹

The Communications Regulatory Authority of Namibia (CRAN), in terms of the Regulations Regarding Rule-Making Procedures: Communications Act, 2009 published as General Notice 334, in Government Gazette 4630 dated 17 December 2010, and section 100 of the Communications Act, 2009, hereby gives notice of its intention to prepare a Frequency Channeling Plan for Digital Terrestrial Television.

This notice contains the following:

1. A concise Statement of Purpose of the Proposed Regulations;
2. A draft of the proposed Regulations Regarding the Frequency Channeling Plan for Digital Terrestrial Television.

Written comments may be submitted in accordance with the Regulations Regarding Rule-Making Procedures, within thirty (30) days from the date of publication of this Notice.

Written reply comments may be submitted in accordance with the Regulations Regarding Rule-Making Procedures, within fourteen (14) days from the date that written comments are due.

In terms of section 100(5) of the Communications Act and the Regulations Regarding Rule-Making Procedures, the Authority will hold a hearing at a time to be announced after the receipt of reply comments. Persons that have submitted written comments and reply comments will be invited to make oral submissions at the hearing.

Statement of Purpose of the Proposed Regulations

Section 99 of the Communications Act, 2009 provides that the Authority is vested with the control, planning, administration, management, and licensing of the radio spectrum. Section 99 also requires the Authority to comply with applicable standards and requirements of the International Telecommunications Union (ITU) and its Radio Regulations.

Section 100 of the Communications Act, 2009, deals specifically with the prescription of a frequency band plan. It provides that the Authority must prescribe the frequency band plan from time to time. The frequency band plan sets out how radio spectrum may be used, to ensure utilisation in an orderly, efficient and effective manner, to reduce congestion and interference, to allow for the introduction of new technologies and services, and to permit as many users and services as is practically feasible.

In preparing the frequency band plan, the Authority must follow the procedures set out in section 100. These procedures have been supplemented by the Regulations regarding Rule-Making Procedures. In addition, the Authority must have due regard to experts' reports and internationally accepted methods for preparing frequency band plans. The Authority must also take into account existing uses and frequency band plans for Digital Terrestrial Television of other countries.

¹Although made in terms of section 100 of the Communications Act, 2009, the Channeling plan is specifically for digital terrestrial television.

At the international level, the planning of spectrum is the responsibility of the ITU, in particular the ITU's Radiocommunication Bureau (ITU-R). The mission of the ITU-R is to ensure rational, equitable, efficient and economical use of the radio frequency spectrum and to adopt recommendations for member states. The recommendations for the allocations of radio frequency bands for Namibia are those for ITU Region 1, which covers Africa and Europe.

PROPOSED REGULATIONS REGARDING FREQUENCY CHANNELING PLAN FOR DIGITAL TERRESTRIAL TELEVISION

Definitions

1. In these regulations, any word or expression to which a meaning is assigned in the Act, shall have the same meaning and-

“Act” means the Communications Act, 2009 (Act No. 8 of 2009).

Purpose

2. These regulations set out the Frequency Channeling Plan for Digital Terrestrial Television in terms of section 100 of the Act.

Table of Frequency Allocations

3. The table of frequency allocations sets out planned Digital Terrestrial Television allocations for Namibia adopted by the Revised ITU Regional Radio Communications Conference in 2006 (GE06 Plan) for terrestrial television broadcasting in bands ranging from 174 MHz to 230 MHz and 470 MHz to 694 MHz.

Site Name	Latitude	Longitude	Multiplex Number	Frequency (MHz)	Channel Number	TX Power (W)	Antenna Peak Gain (dBd)	Polarisation	Antenna Height (m)	Region
Aminuis	23 40 35.6 S	19 26 01.6 E	2	626	40	1000	11.5	Vertical	119.2	Omaheke
Aminuis	23 40 35.6 S	19 26 01.6 E	3	666	45	1000	11.5	Vertical	119.2	Omaheke
Aminuis	23 40 35.6 S	19 26 01.6 E	4	658	44	1000	11.5	Vertical	119.2	Omaheke
Aminuis	23 40 35.6 S	19 26 01.6 E	5	690	48	1000	11.5	Vertical	119.2	Omaheke
Aranos	24 6 50.4 S	19 6 3.9 E	2	658	44	500	7.5	Horizontal	91.1	Hardap
Aranos	24 6 50.4 S	19 6 3.9 E	3	690	48	500	7.5	Horizontal	91.1	Hardap
Aranos	24 6 50.4 S	19 6 3.9 E	4	666	45	500	7.5	Horizontal	91.1	Hardap
Arendesnes	18 2 30.9 S	19 37 27.8 E	2	530	28	1000	14.7	Horizontal	216	Kavango
Arendesnes	18 2 30.9 S	19 37 27.8 E	3	474	21	1000	14.7	Horizontal	216	Kavango
Arendesnes	18 2 30.9 S	19 37 27.8 E	4	482	22	1000	14.7	Horizontal	216	Kavango
Arendesnes	18 2 30.9 S	19 37 27.8 E	5	498	24	1000	14.7	Horizontal	216	Kavango
Arendesnes	18 2 30.9 S	19 37 27.8 E	6	562	32	1000	14.7	Horizontal	216	Kavango
Aussenkehr	28 21 58.1 S	17 26 9.0 E	2	482	22	20	7.5	Horizontal	61.1	Karas

Aussenkehr	28 21 58.1 S	17 26 9.0 E	3	498	24	20	7.5	Horizontal	61.1	Karas
Aussenkehr	28 21 58.1 S	17 26 9.0 E	4	626	40	20	7.5	Horizontal	61.1	Karas
Aussenkehr	28 21 58.1 S	17 26 9.0 E	5	642	42	20	7.5	Horizontal	61.1	Karas
Brukkaros	25 51 20.2 S	17 46 53.3 E	2	610	38	100	8	Vertical	67.42	Karas
Brukkaros	25 51 20.2 S	17 46 53.3 E	3	642	42	100	8	Vertical	67.42	Karas
Brukkaros	25 51 20.2 S	17 46 53.3 E	4	674	46	100	8	Vertical	67.42	Karas
Buitepos	22 17 00.0 S	19 54 00.0 E	2	530	28	500	12.9	Vertical	82.23	Omaheke
Buitepos	22 17 00.0 S	19 54 00.0 E	3	658	44	500	12.9	Vertical	82.23	Omaheke
Buitepos	22 17 00.0 S	19 54 00.0 E	4	690	48	500	12.9	Vertical	82.23	Omaheke
Chetto	17 55 53.3 S	22 36 43.4 E	2	546	30	1000	10	Horizontal	125	Caprivi
Chetto	17 55 53.3 S	22 36 43.4 E	3	578	34	1000	10	Horizontal	125	Caprivi
Chetto	17 55 53.3 S	22 36 43.4 E	4	602	37	1000	10	Horizontal	125	Caprivi
Chetto	17 55 53.3 S	22 36 43.4 E	5	642	42	1000	10	Horizontal	125	Caprivi
Corridor	23 30 55.6 S	19 50 54.8 E	2	490	23	400	10.5	Horizontal	82.42	Omaheke
Corridor	23 30 55.6 S	19 50 54.8 E	3	522	27	400	10.5	Horizontal	82.42	Omaheke
Corridor	23 30 55.6 S	19 50 54.8 E	4	554	31	400	10.5	Horizontal	82.42	Omaheke
Corridor	23 30 55.6 S	19 50 54.8 E	5	570	33	400	10.5	Horizontal	82.42	Omaheke
Divundu	18 4 37.5 S	21 44 55.3 E	2	490	23	1000	12.5	Horizontal	120	Kavango
Divundu	18 4 37.5 S	21 44 55.3 E	3	522	27	1000	12.5	Horizontal	120	Kavango
Divundu	18 4 37.5 S	21 44 55.3 E	4	554	31	1000	12.5	Horizontal	120	Kavango
Divundu	18 4 37.5 S	21 44 55.3 E	5	634	41	1000	12.5	Horizontal	120	Kavango
Eenhana	17 29 57.1 S	16 31 24.2 E	2	514	26	100	10.5	Horizontal	92.42	Ohangwena
Eenhana	17 29 57.1 S	16 31 24.2 E	3	546	30	100	10.5	Horizontal	92.42	Ohangwena
Eenhana	17 29 57.1 S	16 31 24.2 E	4	610	38	100	10.5	Horizontal	92.42	Ohangwena
Eiseb-1	21 21 15.3 S	20 28 31.9 E	2	554	31	100	10.5	Horizontal	122.42	Omaheke
Eiseb-1	21 21 15.3 S	20 28 31.9 E	3	562	32	100	10.5	Horizontal	122.42	Omaheke
Eiseb-1	21 21 15.3 S	20 28 31.9 E	4	578	34	100	10.5	Horizontal	122.42	Omaheke
Eiseb-1	21 21 15.3 S	20 28 31.9 E	5	618	39	100	10.5	Horizontal	122.42	Omaheke
Epupa	17 5 13.1 S	13 12 16.4 E	2	514	26	100	7.5	Horizontal	91.1	Kunene
Epupa	17 5 13.1 S	13 12 16.4 E	3	538	29	100	7.5	Horizontal	91.1	Kunene

Epupa	17 5 13.1 S	13 12 16.4 E	4	562	32	100	7.5	Horizontal	91.1	Kunene
Epupa	17 5 13.1 S	13 12 16.4 E	5	618	39	100	7.5	Horizontal	91.1	Kunene
Epupa	17 5 13.1 S	13 12 16.4 E	6	690	48	100	7.5	Horizontal	91.1	Kunene
Erongo Solar	21 43 42.2 S	15 31 21.9 E	2	618	39	100	10.1	Horizontal	38.5	Erongo
Erongo Solar	21 43 42.2 S	15 31 21.9 E	3	650	43	100	10.1	Horizontal	38.5	Erongo
Erongo Solar	21 43 42.2 S	15 31 21.9 E	4	682	47	100	10.1	Horizontal	38.5	Erongo
Gam	20 9 27.5 S	20 43 22.7 E	2	482	22	50	11.3	Vertical	216.8	Otjozond- jupa
Gam	20 9 27.5 S	20 43 22.7 E	3	514	26	50	11.3	Vertical	216.8	Otjozond- jupa
Gam	20 9 27.5 S	20 43 22.7 E	4	546	30	50	11.3	Vertical	216.8	Otjozond- jupa
Gam	20 9 27.5 S	20 43 22.7 E	5	578	34	50	11.3	Vertical	216.8	Otjozond- jupa
Gobabis	22 26 6.1 S	19 0 31.9 E	2	618	39	2000	11.6	Horizontal	218.8	Kunene
Gobabis	22 26 6.1 S	19 0 31.9 E	3	634	41	2000	11.6	Horizontal	218.8	Kunene
Gobabis	22 26 6.1 S	19 0 31.9 E	4	666	45	2000	11.6	Horizontal	218.8	Kunene
Gobabis	22 26 6.1 S	19 0 31.9 E	5	650	45	2000	11.6	Horizontal	218.8	Kunene
Gross Hertzog	22 42 33.5 S	17 3 37.4 E	1	210	8	4500	11.6	Horizontal		
Gross Hertzog	22 42 33.5 S	17 3 37.4 E	2	498	24	4500	11.6	Horizontal	140	Khomas
Gross Hertzog	22 42 33.5 S	17 3 37.4 E	3	562	32	4500	11.6	Horizontal	140	Khomas
Gross Hertzog	22 42 33.5 S	17 3 37.4 E	4	682	47	4500	11.6	Horizontal	140	Khomas
Gross Hertzog	22 42 33.5 S	17 3 37.4 E	5	690	48	4500	11.6	Horizontal	140	Khomas
Jericho	28 19 0.6 S	19 44 3.0 E	2	482	22	500	10.5	Horizontal	122.42	Karas
Jericho	28 19 0.6 S	19 44 3.0 E	3	570	33	500	10.5	Horizontal	122.42	Karas
Jericho	28 19 0.6 S	19 44 3.0 E	4	602	37	500	10.5	Horizontal	122.42	Karas
Jericho	28 19 0.6 S	19 44 3.0 E	5	634	41	500	10.5	Horizontal	122.42	Karas
Kamanjab	19 34 40.6 S	14 53 18.4 E	2	482	22	2000	11.3	Horizontal	216.8	Kunene
Kamanjab	19 34 40.6 S	14 53 18.4 E	3	514	26	2000	11.3	Horizontal	216.8	Kunene
Kamanjab	19 34 40.6 S	14 53 18.4 E	4	578	34	2000	11.3	Horizontal	216.8	Kunene
Katima Mulilo	17 31 6.8 S	24 16 18.4 E	2	490	23	1000	16.7	Horizontal	214.9	Caprivi
Katima Mulilo	17 31 6.8 S	24 16 18.4 E	3	514	26	1000	16.7	Horizontal	214.9	Caprivi
Katima Mulilo	17 31 6.8 S	24 16 18.4 E	4	522	27	1000	16.7	Horizontal	214.9	Caprivi
Katima Mulilo	17 31 6.8 S	24 16 18.4 E	5	586	35	1000	16.7	Horizontal	214.9	Caprivi

Katima Mulilo	17 31 6.8 S	24 16 18.4 E	6	626	40	1000	16.7	Horizontal	214.9	Caprivi
Keetmanshoop	26 34 38.1 S	18 8 6.5 E	2	178	5	100	4.5	Vertical	57.1	Karas
Keetmanshoop	27 34 38.1 S	19 8 6.5 E	3	506	25	100	4.5	Vertical	57.1	Karas
Keetmanshoop	28 34 38.1 S	20 8 6.5 E	4	538	29	100	4.5	Vertical	57.1	Karas
Klein Windhoek	22 34 55.7 S	17 06 24.5 E	1	178	4	200	2.0	Horizontal		
Koes	25 55 22.8 S	19 9 20.0 E	2	490	23	500	10.5	Horizontal	92.42	Karas
Koes	25 55 22.8 S	19 9 20.0 E	3	642	42	500	10.5	Horizontal	92.42	Karas
Koes	25 55 22.8 S	19 9 20.0 E	4	690	48	500	10.5	Horizontal	92.42	Karas
Kongola	17 48 37.5 S	23 23 16.7 E	2	490	23	500	12.9	Horizontal	122.23	Caprivi
Kongola	17 48 37.5 S	23 23 16.7 E	3	554	31	500	12.9	Horizontal	122.23	Caprivi
Kongola	17 48 37.5 S	23 23 16.7 E	4	586	35	500	12.9	Horizontal	122.23	Caprivi
Kongola	17 48 37.5 S	23 23 16.7 E	5	642	42	500	12.9	Horizontal	122.23	Caprivi
Kongola	17 48 37.5 S	23 23 16.7 E	6	682	47	500	12.9	Horizontal	122.23	Caprivi
Krantsberg	27 8 35.7 S	18 55 38.4 E	2	482	22	2000	11.3	Horizontal	110	Karas
Krantsberg	27 8 35.7 S	18 55 38.4 E	3	498	24	2000	11.3	Horizontal	110	Karas
Krantsberg	27 8 35.7 S	18 55 38.4 E	4	514	26	2000	11.3	Horizontal	110	Karas
Krantsberg	27 8 35.7 S	18 55 38.4 E	5	610	38	2000	11.3	Horizontal	110	Karas
Luderitz	26 45 22.2 S	15 20 49.7 E	2	530	28	500	10.5	Vertical	92.42	Karas
Maltahohe	24 53 26.7 S	16 53 35.9 E	2	498	24	2000	12.1	Horizontal	200	Hardap
Maltahohe	24 53 26.7 S	16 53 35.9 E	3	562	32	2000	12.1	Horizontal	200	Hardap
Maltahohe	24 53 26.7 S	16 53 35.9 E	4	658	44	2000	12.1	Horizontal	200	Hardap
Maltahohe	24 53 26.7 S	16 53 35.9 E	5	690	48	2000	12.1	Horizontal	200	Hardap
Nkurenkuru	17 40 38.6 S	18 36 6.0 E	2	602	37	2000	14.7	Vertical	184.53	Kavango
Nkurenkuru	17 40 38.6 S	18 36 6.0 E	3	634	41	2000	14.7	Vertical	184.53	Kavango
Nkurenkuru	17 40 38.6 S	18 36 6.0 E	4	666	45	2000	14.7	Vertical	184.53	Kavango
Nkurenkuru	17 40 38.6 S	18 36 6.0 E	5	690	48	2000	14.7	Vertical	184.53	Kavango
Noordoewer	28 40 55.0 S	17 38 16.7 E	2	474	21	400	9.9	Vertical	85	Karas
Noordoewer	28 40 55.0 S	17 38 16.7 E	3	498	24	400	9.9	Vertical	85	Karas
Noordoewer	28 40 55.0 S	17 38 16.7 E	4	570	33	400	9.9	Vertical	85	Karas
Noordoewer	28 40 55.0 S	17 38 16.7 E	5	610	38	400	9.9	Vertical	85	Karas

Okongo	17 23 24.0 S	17 37 52.0 E	2	474	21	2000	11.6	Vertical	218.6	Ohangwena
Okongo	17 23 24.0 S	17 37 52.0 E	3	514	26	2000	11.6	Vertical	218.6	Ohangwena
Okongo	17 23 24.0 S	17 37 52.0 E	4	586	35	2000	11.6	Vertical	218.6	Ohangwena
Okongo	17 23 24.0 S	17 37 52.0 E	5	618	39	2000	11.6	Vertical	218.6	Ohangwena
Okongo	17 23 24.0 S	17 37 52.0 E	6	682	47	2000	11.6	Vertical	218.6	Ohangwena
Onesi	17 33 54.6 S	14 33 59.4 E	2	490	23	2000	14	Vertical	214.5	Omusati
Onesi	17 33 54.6 S	14 33 59.4 E	3	514	26	2000	14	Vertical	214.5	Omusati
Onesi	17 33 54.6 S	14 33 59.4 E	4	586	35	2000	14	Vertical	214.5	Omusati
Oranje-mund	28 33 15.2 S	16 25 34.2 E	2	514	26	250	7.5	Horizontal	91.1	Karas
Oranje-mund	28 33 15.2 S	16 25 34.2 E	3	626	40	250	7.5	Horizontal	91.1	Karas
Oranje-mund	28 33 15.2 S	16 25 34.2 E	4	634	41	250	7.5	Horizontal	91.1	Karas
Oranje-mund	28 33 15.2 S	16 25 34.2 E	5	666	45	250	7.5	Horizontal	91.1	Karas
Oshakati	17 47 26.0 S	15 42 36.0 E	2	618	39	2000	13.3	Vertical	260	Oshana
Oshakati	17 47 26.0 S	15 42 36.0 E	3	650	43	2000	13.3	Vertical	260	Oshana
Oshakati	17 47 26.0 S	15 42 36.0 E	4	482	22	2000	13.3	Vertical	260	Oshana
Oshakati	17 47 26.0 S	15 42 36.0 E	5	490	23	2000	13.3	Vertical	260	Oshana
Oshakati	17 47 26.0 S	15 42 36.0 E	6	618	39	2000	13.3	Vertical	260	Oshana
Oshakati	17 47 26.0 S	15 42 36.0 E	7	682	47	2000	13.3	Vertical	260	Oshana
Paresis	20 20 1.0 S	16 19 10.0 E	2	498	24	100	10.5	Horizontal	45	Otjozondjupa
Paresis	20 20 1.0 S	16 19 10.0 E	3	546	30	100	10.5	Horizontal	45	Otjozondjupa
Paresis	20 20 1.0 S	16 19 10.0 E	4	586	35	100	10.5	Horizontal	45	Otjozondjupa
Paresis	20 20 1.0 S	16 19 10.0 E	5	690	48	100	10.5	Horizontal	45	Otjozondjupa
Rietfontein	21 51 2.0 S	20 45 21.0 E	2	626	40	1000	12.6	Vertical	70.7	Omaheke
Rietfontein	21 51 2.0 S	20 45 21.0 E	3	594	36	1000	12.6	Vertical	70.7	Omaheke
Rietfontein	21 51 2.0 S	20 45 21.0 E	4	666	45	1000	12.6	Vertical	70.7	Omaheke
Rietfontein	21 51 2.0 S	20 45 21.0 E	5	690	48	1000	12.6	Vertical	70.7	Omaheke
Rosh Pinah	27 58 17.8 S	16 44 28.1 E	2	514	26	100	10.5	Horizontal	92.42	Karas
Rosh Pinah	27 58 17.8 S	16 44 28.1 E	3	602	37	100	10.5	Horizontal	92.42	Karas
Rosh Pinah	27 58 17.8 S	16 44 28.1 E	4	610	38	100	10.5	Horizontal	92.42	Karas
Rossing	22 31 37.6 S	14 49 20.8 E	5	546	30	2000	11.5	Vertical	110	Erongo

Rossing	22 31 37.6 S	14 49 20.8 E	2	594	36	2000	11.5	Vertical	110	Erongo
Rossing	22 31 37.6 S	14 49 20.8 E	3	666	45	2000	11.5	Vertical	110	Erongo
Rossing	22 31 37.6 S	14 49 20.8 E	4	690	48	2000	11.5	Vertical	110	Erongo
Shamvura	18 2 35.5 S	20 51 38.2 E	2	506	25	500	14.5	Vertical	214.5	Kavango
Shamvura	18 2 35.5 S	20 51 38.2 E	3	538	29	500	14.5	Vertical	214.5	Kavango
Shamvura	18 2 35.5 S	20 51 38.2 E	4	570	33	500	14.5	Vertical	214.5	Kavango
Shamvura	18 2 35.5 S	20 51 38.2 E	5	666	45	500	14.5	Vertical	214.5	Kavango
Signal- berg	19 34 29.0 S	17 42 39.1 E	2	562	32	4500	12.3	Horizontal	119.1	Otjozond- jupa
Signal- berg	19 34 29.0 S	17 42 39.1 E	3	594	36	4500	12.3	Horizontal	119.1	Otjozond- jupa
Signal- berg	19 34 29.0 S	17 42 39.1 E	4	602	37	4500	12.3	Horizontal	119.1	Otjozond- jupa
Signal- berg	19 34 29.0 S	17 42 39.1 E	5	642	42	4500	12.3	Horizontal	119.1	Otjozond- jupa
Signal- berg	19 34 29.0 S	17 42 39.1 E	6	666	45	4500	12.3	Horizontal	119.1	Otjozond- jupa
Tsumkwe	19 35 36.0 S	20 30 8.0 E	2	618	39	100	10.5	Horizontal	92.42	Otjozond- jupa
Tsumkwe	19 35 36.0 S	20 30 8.0 E	3	658	44	100	10.5	Horizontal	92.42	Otjozond- jupa
Tsumkwe	19 35 36.0 S	20 30 8.0 E	4	674	46	100	10.5	Horizontal	92.42	Otjozond- jupa
Ur	27 31 33.5 S	18 33 14.1 E	2	594	36	1000	13.6	Horizontal	75	Karas
Ur	27 31 33.5 S	18 33 14.1 E	3	602	37	1000	13.6	Horizontal	75	Karas
Ur	27 31 33.5 S	18 33 14.1 E	4	626	40	1000	13.6	Horizontal	75	Karas
Ur	27 31 33.5 S	18 33 14.1 E	5	634	41	1000	13.6	Horizontal	75	Karas

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