



GOVERNMENT GAZETTE

OF THE

REPUBLIC OF NAMIBIA

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General Notices

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 71 2020

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

The Communications Regulatory Authority of Namibia, in terms of regulations 11 of the Regulations Regarding Licensing Procedures for Telecommunications and Broadcasting Service Licences, published in Government Gazette No. 4785, General Notice No. 272, dated 29 August 2011 (as amended), herewith gives notice that the Applicant referred to in the table below has submitted an application for a Service Licence:

Applicant	Applicant's place of incorporation	Percentage of Stock owned by Namibian Citizens	Category of Licence applied for	Does applicant intend to use spectrum?	Concise statement of Services intended to be provided	Description of coverage area
Olympia Neighbourhood Watch	Namibia	100 %	Non-Profit ECS/ECNS	Applicant intends to use spectrum in the spectrum license exempt band as per the Regulations Prescribing Procedures Regarding Application For, And Amendment, Renewal, Transfer And Cancellation Of Spectrum Licences, published as General Notice No. 104, in Government Gazette No. 6888, on 24 April 2019.	To setup surveillance security cameras in Olympia suburb	Olympia, Windhoek Khomas Region

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 Government Gazette.

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

F. K MBANDEKA
CHIEF EXECUTIVE OFFICER
COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 72

2020

**NOTICE OF INTENTION TO PRESCRIBE A FREQUENCY BAND PLAN IN
RESPECT OF ANALOGUE FREQUENCY MODULATION RADIO BROADCASTING:
COMMUNICATIONS ACT, 2009**

The Communications Regulatory Authority of Namibia (hereafter “the Authority”) in terms of section 100(4) of the Communications Act, 2009 (Act No. 8 of 2009) publishes this notice of intention to prescribe a Frequency Band Plan in respect of Analogue Frequency Modulation Radio Broadcasting, which contains the following:

1. A concise statement of the purpose for the proposed Frequency Band Plan in respect of Analogue Frequency Modulation Radio Broadcasting as set out in Schedule 1;
2. A draft of the proposed Frequency Band Plan as set out in Schedule 2.

Members of the public are invited to make written submissions to the Authority no later than 30 days from the date of publication of this Notice, in the manner set out below for making written submissions.

Thereafter reply comments to written submissions may be submitted to the Authority-

- (a) no later than 15 days after the time for the making of written submissions has lapsed; or

- (b) if the opportunity for the submission of reply comments is published in a subsequent *Gazette*, after the lapse of 14 days from the date of such publication.

All written submissions must-

- (a) contain the name and contact details of the person making the written submissions and the name and contact details of the person or entity on whose behalf the written submissions are made, if different; and
- (b) be clear and concise.

All written submissions must be sent or given in any of the following ways to the Head of Legal Advice:

1. By hand to the head offices of the Authority, namely Communication House, No 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 fax to email to: 0886550852

The Authority further gives notice in terms of section 100(5) of the Act herewith that it will hold a public hearing regarding the proposed Frequency Band Plan as follows:

DATE: 19 March 2020

TIME: 09H00

VENUE: TBA

H. M. GAOMAB II
CHAIRPERSON OF THE BOARD
COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

SCHEDULE 1

CONCISE STATEMENT OF PURPOSE

1. Section 99 of the Communications Act, 2009 vests the Communications Regulatory Authority with the control, planning, administration, management and licensing of the radio spectrum. That section further requires the Authority to comply with the applicable standards and requirements of the International Telecommunication Union and its Radio Regulations, as agreed to or adopted by Namibia.
2. In terms of section 100, the Authority may prescribe a frequency band plan in respect of any part of the radio frequency spectrum. The proposed Frequency Band Plan prescribed in Schedule 2 is aimed at prescribing a frequency band plan in respect of Analogue Frequency Modulation Radio Broadcasting.
3. A frequency band plan as made in terms of section 100(2) must-
 - 3.1 define how the radio spectrum must be used;

- 3.2 aim at ensuring that the radio frequency spectrum is utilised and managed in an orderly, efficient and effective manner;
 - 3.3 aim at reducing congestion in the use of frequencies and at protecting frequency users from any interference or other inability to make use of the frequencies assigned to them;
 - 3.4 avoid obstacles to the introduction of new technologies and telecommunication services;
 - 3.5 aim at providing opportunities for the introduction of the widest range of telecommunication services and the maximum number of users thereof as is practically feasible.
4. At an international level the planning of the radio frequency spectrum is the responsibility of the International Telecommunication Union (ITU), in particular its Radiocommunications Bureau (ITU-R). The mission of the ITU-R is to ensure rational, equitable, efficient and economic use of radio frequency spectrum and to adopt recommendations for member states. The radio frequency spectrum bands recommended for allocation to Namibia are contained in ITU Region 1 which covers African and Europe.
 5. In complying with section 100(3) of the Communications Act, 2009, the Authority duly took into account the allocation of radio frequency spectrum by the ITU.

SCHEDULE 2

PROPOSED FREQUENCY BAND PLAN IN RESPECT OF ANALOGUE FREQUENCY MODULATION RADIO BROADCASTING: COMMUNICATIONS ACT, 2009

The Communications Regulatory Authority of Namibia in terms of section 100(1) read with section 129 of the Communications Act, 2009 (Act No. 8 of 2009), prescribes the Frequency Band Plan in respect of Analogue Frequency Modulation Radio Broadcasting set out in the Schedule.

SCHEDULE

Site Name	Latitude	Longitude	Frequency	Polarization	TX Power (Watt)	Region
Aminuis	23°40'35.5"S	19°26'01.6"E	88.9	Vertical	250	Omaheke
Aminuis	23°40'35.5"S	19°26'01.6"E	92	Vertical	250	
Aminuis	23°40'35.5"S	19°26'01.6"E	89.1	Vertical	250	
Aminuis	23°40'35.5"S	19°26'01.6"E	95.2	Vertical	250	
Aminuis	23°40'35.5"S	19°26'01.6"E	98.5	Vertical	250	
Andara	18°430.1"S	21°25'11.6"E	92.5	Vertical	25	Caprivi
Andara	18°430.1"S	21°25'11.6"E	95.7	Vertical	25	
Andara	18°430.1"S	21°25'11.6"E	106.1	Vertical	250	
Andara	18°430.1"S	21°25'11.6"E	102.5	Vertical	25	
Aranos	24°8'49"S	19°6'36.55"	102	Vertical	250	Hardap
Arendsnes	18°2'30.8"S	19°37'28.8"E	100.7	Vertical	200	Kavango
Arendsnes	18°2'30.8"S	19°37'28.8"E	88.7	Vertical	2500	
Arendsnes	18°2'30.8"S	19°37'28.8"E	90.1	Vertical	5000	
Arendsnes	18°2'30.8"S	19°37'28.8"E	91.8	Vertical	2500	
Arendsnes	18°2'30.8"S	19°37'28.8"E	96.4	Vertical	2500	
Arendsnes	18°2'30.8"S	19°37'28.8"E	99.7	Vertical	2500	
Arendsnes	18°2'30.8"S	19°37'28.8"E	106.8	Vertical	2500	

Arendsnes	18°2'30.8"S	19°37'28.8"E	93.2	Vertical	5000	
Arendsnes	18°2'30.8"S	19°37'28.8"E	95	Vertical	2500	
Arendsnes	18°2'30.8"S	19°37'28.8"E	98.3	Vertical	2500	
Arendsnes	18°2'30.8"S	19°37'28.8"E	103.5	Vertical	2500	
Aroab	26°46'48.8"S	19°40'49.8"E	87.9	Vertical	50	Karas
Aroab	26°46'48.8"S	19°40'49.8"E	94.2	Vertical	50	
Aroab	26°46'48.8"S	19°40'49.8"E	104.6	Vertical	50	
Aroab	26°46'48.8"S	19°40'49.8"E	96.9	Vertical	100	
Aroab	26°46'48.8"S	19°40'49.8"E	100.4	Vertical	100	
Aus	26°40'8.73"	16°15'51.49"	92.5	Vertical	25	Karas
Aus	26°40'8.73"	16°15'51.49"	95.8	Vertical	25	
Aus	26°40'8.73"	16°15'51.49"	102.6	Vertical	25	
Aus	26°40'8.73"	16°15'51.49"	106.2	Vertical	25	
Aussenkehr	28°21'58"S	17°26'9"E	92.5	Vertical	25	Karas
Aussenkehr	28°21'58"S	17°26'9"E	95.7	Vertical	25	
Aussenkehr	28°21'58"S	17°26'9"E	98.7	Vertical	25	
Aussenkehr	28°21'58"S	17°26'9"E	102.5	Vertical	25	
Berquelle	22°2'58.83"S	16°57'16"E	104	Vertical	500	Otjozondjupa
Bethanie	26°29'0.7"S	17°14'18"E	88.1	Vertical	2500	Karas
Bethanie	26°29'0.7"S	17°14'18"E	91.2	Vertical	2500	
Bethanie	26°29'0.7"S	17°14'18"E	94.4	Vertical	2500	
Bethanie	26°29'0.7"S	17°14'18"E	97.7	Vertical	2500	
Bethanie	26°29'0.7"S	17°14'18"E	101.2	Vertical	2500	
Bethanie	26°29'0.7"S	17°14'18"E	104.8	Vertical	2500	
Brukkaros	25°51'20.1"S	17°46'53.3"E	90.2	Vertical	100	Karas
Brukkaros	25°51'20.1"S	17°46'53.3"E	96.5	Vertical	100	
Brukkaros	25°51'20.1"S	17°46'53.3"E	106.9	Vertical	300	
Buitepost	22°16'59.85"S	19°59'15.91"E	88.1	Vertical	250	Omaheke
Buitepost	22°16'59.85"S	19°59'15.91"E	95	Vertical	100	
Buitepost	22°16'59.85"S	19°59'15.91"E	98.3	Vertical	100	
Buitepost	22°16'59.85"S	19°59'15.91"E	101.8	Vertical	100	
Buitepost	22°16'59.85"S	19°59'15.91"E	105.4	Vertical	100	
Duineveld	23°56'23.27"	17°29'8.51"E	102.3	Vertical	500	Hardap
Eenhana	17°29'10.58"S	16°19'45.42"E	100.1	Vertical	500	Ohangwena
Ekuli	17°51'25.9"S	18°53'8.5"E	91.5	Vertical	25	Kavango
Ekuli	17°51'25.9"S	18°53'8.5"E	88.4	Vertical	25	
Ekuli	17°51'25.9"S	18°53'8.5"E	94.7	Vertical	250	
Ekuli	17°51'25.9"S	18°53'8.5"E	98	Vertical	25	
Epukiro	21°33'3.6"S	19°25'19.2"E	91.6	Vertical	5000	Omaheke
Epukiro	21°33'3.6"S	19°25'19.2"E	98.1	Vertical	5000	
Epukiro	21°33'3.6"S	19°25'19.2"E	101.6	Vertical	5000	
Epukiro	21°33'3.6"S	19°25'19.2"E	105.2	Vertical	5000	
Erongo Mountain	21°43'40.8"S	15°31'43"E	94.7	Vertical	500	Erongo
Erongo Mountain	21°43'40.8"S	15°31'43"E	100.7	Vertical	250	
Erongo Mountain	21°43'40.8"S	15°31'43"E	90.1	Vertical	250	
Erongo Mountain	21°43'40.8"S	15°31'43"E	90.6	Vertical	100	
Erongo Mountain	21°43'40.8"S	15°31'43"E	93.7	Vertical	100	
Erongo Mountain	21°43'40.8"S	15°31'43"E	96.9	Vertical	100	
Erongo Mountain	21°43'40.8"S	15°31'43"E	100.2	Vertical	100	
Erongo Mountain	21°43'40.8"S	15°31'43"E	103.7	Vertical	100	

Erongo Mountain	21°43'40.8"S	15°31'43"E	107.3	Vertical	100	
Erongo Mountain	21°43'40.8"S	15°31'43"E	89.1	Vertical	100	
Erongo Mountain	21°43'40.8"S	15°31'43"E	105.7	Vertical	100	
Erongo Mountain	21°43'40.8"S	15°31'43"E	102.1	Vertical	100	
Erongo Mountain	21°43'40.8"S	15°31'43"E	98.7	Vertical	100	
Gam	20°9'27.5"S	20°43'22.7"E	92.6	Vertical	100	Omaheke
Gam	20°9'27.5"S	20°43'22.7"E	104.3	Vertical	100	
Gam	20°9'27.5"S	20°43'22.7"E	99.1	Vertical	100	
Gam	20°9'27.5"S	20°43'22.7"E	95.8	Vertical	100	
Gam	20°9'27.5"S	20°43'22.7"E	97.8	Vertical	100	
Gam	20°9'27.5"S	20°43'22.7"E	99.7	Vertical	100	
Gamsberg	23°20'0.02"S	16°20'2.04"E	88.1	Vertical	500	Hardap
Gibeon	25°7'2.4"S	17°56'22.7"E	100.7	Vertical	100	Hardap
Gobabis	22°26'6.1"S	19°0'31.9"E	89.2	Vertical	500	Omaheke
Gobabis	22°26'6.1"S	19°0'31.9"E	105.4	Vertical	1000	
Gobabis	22°26'6.1"S	19°0'31.9"E	92.4	Vertical	1000	
Gobabis	22°26'6.1"S	19°0'31.9"E	96.1	Vertical	250	
Gobabis	22°26'6.1"S	19°0'31.9"E	98.9	Vertical	100	
Gobabis	22°26'6.1"S	19°0'31.9"E	107.4	Vertical	200	
Gobabis	22°26'6.1"S	19°0'31.9"E	89.8	Vertical	30	
Gobabis	22°26'6.1"S	19°0'31.9"E	106	Vertical	500	
Gobabis	22°26'6.1"S	19°0'31.9"E	87.6	Vertical	5000	
Gobabis	22°26'6.1"S	19°0'31.9"E	90.7	Vertical	5000	
Gobabis	22°26'6.1"S	19°0'31.9"E	93.9	Vertical	5000	
Gobabis	22°26'6.1"S	19°0'31.9"E	102.9	Vertical	1000	
Gobabis	22°26'6.1"S	19°0'31.9"E	100.7	Vertical	5000	
Gobabis	22°26'6.1"S	19°0'31.9"E	104.3	Vertical	5000	
Gobabis	22°26'6.1"S	19°0'31.9"E	106.5	Vertical	1000	
Gobabis	22°26'6.1"S	19°0'31.9"E	92.9	Vertical	1000	
Gobabis	22°26'6.1"S	19°0'31.9"E	97.2	Vertical	5000	
Grootfontein	19°34'35.79"S	18°6'20.61"E	106.2	Vertical	1000	Otjozondjupa
Grootfontein	19°34'35.79"S	18°6'20.61"E	91.3	Vertical	100	
Grootfontein	19°34'35.79"S	18°6'20.61"E	100.3	Vertical	100	
Grootfontein	19°34'35.79"S	18°6'20.61"E	95.2	Vertical	100	
Grootfontein	19°34'35.79"S	18°6'20.61"E	88.9	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	99	Vertical	1000	Khomas
Grossherzog	22°42'33.72"S	17°3'38.11"E	94.1	Vertical	500	
Grossherzog	22°42'33.72"S	17°3'38.11"E	102.9	Vertical	100	
Grossherzog	22°42'33.72"S	17°3'38.11"E	99.5	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	106.2	Vertical	100	
Grossherzog	22°42'33.72"S	17°3'38.11"E	104.5	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	100.9	Vertical	100	
Grossherzog	22°42'33.72"S	17°3'38.11"E	100	Vertical	500	
Grossherzog	22°42'33.72"S	17°3'38.11"E	103.5	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	87.8	Vertical	500	
Grossherzog	22°42'33.72"S	17°3'38.11"E	88.6	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	91.7	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	94.9	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	98.2	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	101.7	Vertical	1000	

Grossherzog	22°42'33.72"S	17°3'38.11"E	105.3	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	107.9	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	91	Vertical	1000	
Grossherzog	22°42'33.72"S	17°3'38.11"E	97.4	Vertical	1000	
Hentisbay	22°7'1.63"S	14°17'1.19"E	95	Vertical	100	Erongo
Hentisbay	22°7'1.63"S	14°17'1.19"E	106	Vertical	100	
Ice Cream Cone	22°7'1.63"S	14°17'1.19"E	96.7	Vertical	500	Khomas
Kamanjab	19°34'40.6"S	14°53'18.3"E	92.8	Vertical	500	Kunene
Kamanjab	19°34'40.6"S	14°53'18.3"E	89.7	Vertical	1000	
Kamanjab	19°34'40.6"S	14°53'18.3"E	91.9	Vertical	1000	
Kamanjab	19°34'40.6"S	14°53'18.3"E	101.9	Vertical	1000	
Kamanjab	19°34'40.6"S	14°53'18.3"E	95.1	Vertical	1000	
Kamanjab	19°34'40.6"S	14°53'18.3"E	98.4	Vertical	1000	
Kamanjab	19°34'40.6"S	14°53'18.3"E	106.4	Vertical	1000	
Kamanjab	19°34'40.6"S	14°53'18.3"E	93.8	Vertical	1000	
Kamanjab	19°34'40.6"S	14°53'18.3"E	107.9	Vertical	1000	
Kamanjab	19°34'40.6"S	14°53'18.3"E	103.7	Vertical	1000	
Kamanjab	19°34'40.6"S	14°53'18.3"E	105.5	Vertical	1000	
Karasburg	28°1'35.22"S	18°44'49.39"E	102	Vertical	250	Karas
Karasburg	28°1'35.22"S	18°44'49.39"E	104.3	Vertical	250	
Karibib	21°55'58.92"S	15°52'11.02"E	101.4	Vertical	1000	Erongo
Karibib	21°55'58.92"S	15°52'11.02"E	94.6	Vertical	250	
Karibib	21°55'58.92"S	15°52'11.02"E	92.2	Vertical	300	
Karibib	21°55'58.92"S	15°52'11.02"E	92.2	Vertical	300	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	93.1	Vertical	1000	Caprivi
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	102.6	Vertical	250	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	107.4	Vertical	500	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	104.5	Vertical	250	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	89.5	Vertical	250	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	92.6	Vertical	5000	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	90.9	Vertical	250	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	99.1	Vertical	250	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	98.2	Vertical	1000	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	94.1	Vertical	250	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	106.2	Vertical	250	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	100.9	Vertical	250	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	95.8	Vertical	5000	
Katima Mulilo	17°31'6.7"S	24°16'18.4"E	87.9	Vertical	250	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	92.9	Vertical	500	Karas
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	95.9	Vertical	1000	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	90	Vertical	1000	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	105.9	Vertical	2000	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	107.3	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	97.7	Vertical	500	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	100.7	Vertical	250	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	106	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	98.9	Vertical	200	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	95.6	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	92.4	Vertical	500	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	104.3	Vertical	500	

Keetmanshoop	26°34'31.39"S	18°8'35.04"E	88.2	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	87.6	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	90.7	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	93.9	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	97.2	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	89.3	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	104.3	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	96.1	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	99.4	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	102.3	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	106.5	Vertical	100	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	105	Vertical	500	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	103.5	Vertical	500	
Keetmanshoop	26°34'31.39"S	18°8'35.04"E	94.6	Vertical	500	
Khorixas	20°22'28.42"S	14°57'35.34"E	105.8	Vertical	600	Kunene
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	89.6	Vertical	2000	Otjozondjupa
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	92.7	Vertical	2000	
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	95.9	Vertical	2000	
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	99.2	Vertical	2000	
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	102.7	Vertical	2000	
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	106.3	Vertical	2000	
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	104.8	Vertical	2000	
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	101.2	Vertical	2000	
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	94.4	Vertical	2000	
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	91.2	Vertical	2000	
Klein Waterberg	20°40'38.43"S	17°05'24.05"E	104	Vertical	2000	
Koes	25°55'22.8"S	19°9'20"E	101.9	Vertical	500	Karas
Koes	25°55'22.8"S	19°9'20"E	88.8	Vertical	50	
Koes	25°55'22.8"S	19°9'20"E	95.1	Vertical	50	
Koes	25°55'22.8"S	19°9'20"E	105.5	Vertical	50	
Koes	25°55'22.8"S	19°9'20"E	103.8	Vertical	100	
Koes	25°55'22.8"S	19°9'20"E	107.9	Vertical	100	
Kongola	17°48'37.4"S	23°23'16.7"E	88.3	Vertical	25	Caprivi
Kongola	17°48'37.4"S	23°23'16.7"E	91.4	Vertical	25	
Kongola	17°48'37.4"S	23°23'16.7"E	94.6	Vertical	25	
Kongola	17°48'37.4"S	23°23'16.7"E	97.9	Vertical	25	
Kranzberg	26°58'9.33"S	18°47'10.31"E	102.3	Vertical	1000	Karas
Leonatdville	23°30'18.01"S	18°47'38.91"E	103.2	Vertical	250	Omaheke
Luderitz	26°38'51.6"S	15°09'33.8"E	97.5	Vertical	100	Karas
Luderitz	26°38'51.6"S	15°09'33.8"E	91.2	Vertical	100	
Luderitz	26°38'51.6"S	15°09'33.8"E	102.8	Vertical	250	
Luderitz	26°38'51.6"S	15°09'33.8"E	106	Vertical	100	
Luderitz	26°38'51.6"S	15°09'33.8"E	96.9	Vertical	200	
Luderitz	26°38'51.6"S	15°09'33.8"E	93.7	Vertical	250	
Luderitz	26°38'51.6"S	15°09'33.8"E	90.6	Vertical	100	
Luderitz	26°38'51.6"S	15°09'33.8"E	103.3	Vertical	250	
Luderitz	26°38'51.6"S	15°09'33.8"E	89.7	Vertical	50	
Luderitz	26°38'51.6"S	15°09'33.8"E	92.8	Vertical	50	
Luderitz	26°38'51.6"S	15°09'33.8"E	96	Vertical	50	
Luderitz	26°38'51.6"S	15°09'33.8"E	99.3	Vertical	50	

Luderitz	26°38'51.6"S	15°09'33.8"E	100.2	Vertical	50	
Luderitz	26°38'51.6"S	15°09'33.8"E	103.7	Vertical	50	
Maltahohe	24°50'46.2"S	16°59'47.9"E	101.6	Vertical	250	Hardap
Maltahohe	24°50'46.2"S	16°59'47.9"E	88.5	Vertical	300	
Maltahohe	24°50'46.2"S	16°59'47.9"E	94.8	Vertical	300	
Maltahohe	24°50'46.2"S	16°59'47.9"E	105.2	Vertical	300	
Mariental	24°32'45.31"S	17°57'24.8"E	107.7	Vertical	1000	Hardap
Mariental	24°32'45.31"S	17°57'24.8"E	96.6	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	88.7	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	101.2	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	100.8	Vertical	250	
Mariental	24°32'45.31"S	17°57'24.8"E	95	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	97.3	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	91.8	Vertical	250	
Mariental	24°32'45.31"S	17°57'24.8"E	103.7	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	87.7	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	90.8	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	94	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	101.8	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	105.4	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	104.4	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	90.2	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	99.8	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	93.3	Vertical	100	
Mariental	24°32'45.31"S	17°57'24.8"E	106.9	Vertical	100	
Nakop	28°6'44.72"S	19°54'15.3"E	90.6	Vertical	100	
Nakop	28°6'44.72"S	19°54'15.3"E	93.7	Vertical	100	
Nakop	28°6'44.72"S	19°54'15.3"E	100.2	Vertical	100	
Nakop	28°6'44.72"S	19°54'15.3"E	103.7	Vertical	100	
Nkurenkuru	17°40'38.6"S	18°36'6"E	90.7	Vertical	25	Kavango
Nkurenkuru	17°40'38.6"S	18°36'6"E	87.6	Vertical	25	
Nkurenkuru	17°40'38.6"S	18°36'6"E	105.1	Vertical	250	
Nkurenkuru	17°40'38.6"S	18°36'6"E	93.9	Vertical	25	
Noordoewer	28°40'54.9"S	17°38'16.7"E	104.4	Vertical	500	Karas
Noordoewer	28°40'54.9"S	17°38'16.7"E	87.7	Vertical	25	
Noordoewer	28°40'54.9"S	17°38'16.7"E	90.8	Vertical	25	
Noordoewer	28°40'54.9"S	17°38'16.7"E	97.3	Vertical	25	
Noordoewer	28°40'54.9"S	17°38'16.7"E	100.8	Vertical	25	
Okahandja	21°58'43.51"S	16°54'36.69"E	105.5	Vertical	20	Otjozondjupa
Okongo	17°37'52"S	17°23'24"E	89	Vertical	4000	Ohangwena
Okongo	17°37'52"S	17°23'24"E	92.1	Vertical	2000	
Okongo	17°37'52"S	17°23'24"E	95.3	Vertical	4000	
Okongo	17°37'52"S	17°23'24"E	98.6	Vertical	4000	
Okongo	17°37'52"S	17°23'24"E	104.1	Vertical	1000	
Okongo	17°37'52"S	17°23'24"E	107.5	Vertical	1000	
Omaruru	21°25'37.89"S	15°57'3.64"E	98.3	Vertical	1000	Erongo
Omaruru	21°25'37.89"S	15°57'3.64"E	96.3	Vertical	100	
Omega	18°01'50"S	22°12'00"E	90.6	Vertical	25	Caprivi
Omega	18°01'50"S	22°12'00"E	93.7	Vertical	25	
Omega	18°01'50"S	22°12'00"E	96.9	Vertical	25	
Omega	18°01'50"S	22°12'00"E	100.2	Vertical	25	

Omuthiya	18°21'41.07"S	16°34'49.08"E	90.5	Vertical	100	Oshikoto
Omuthiya	18°21'41.07"S	16°34'49.08"E	103	Vertical	500	
Omuthiya	18°21'41.07"S	16°34'49.08"E	92	Vertical	100	
Omuthiya	18°21'41.07"S	16°34'49.08"E	94.3	Vertical	25	
Omuthiya	18°21'41.07"S	16°34'49.08"E	100.8	Vertical	25	
Omuthiya	18°21'41.07"S	16°34'49.08"E	102.3	Vertical	25	
Omuthiya	18°21'41.07"S	16°34'49.08"E	105.9	Vertical	25	
Ongwediva	17°46'51.28"S	15°45'59.7"E	102.7	Vertical	500	Oshana
Opuwo	18°10'8.2"S	13°55'45.9"E	94.3	Vertical	500	Kunene
Opuwo	18°10'8.2"S	13°55'45.9"E	91.1	Vertical	5000	
Opuwo	18°10'8.2"S	13°55'45.9"E	97.6	Vertical	5000	
Opuwo	18°10'8.2"S	13°55'45.9"E	101.1	Vertical	5000	
Oranjemund	28°33'16.95"S	16°25'27.44"E	107.7	Vertical	100	Karas
Oranjemund	28°33'16.95"S	16°25'27.44"E	104.4	Vertical	250	
Oranjemund	28°33'16.95"S	16°25'27.44"E	96.3	Vertical	100	
Oranjemund	28°33'16.95"S	16°25'27.44"E	91	Vertical	100	
Oranjemund	28°33'16.95"S	16°25'27.44"E	103.1	Vertical	200	
Oranjemund	28°33'16.95"S	16°25'27.44"E	97.3	Vertical	100	
Oranjemund	28°33'16.95"S	16°25'27.44"E	90	Vertical	100	
Oranjemund	28°33'16.95"S	16°25'27.44"E	93.1	Vertical	100	
Oranjemund	28°33'16.95"S	16°25'27.44"E	99.6	Vertical	100	
Oranjemund	28°33'16.95"S	16°25'27.44"E	106.7	Vertical	100	
Oshakati	17°47'25.9"S	15°42'36"E	104.5	Vertical	500	Oshana
Oshakati	17°47'25.9"S	15°42'36"E	107.7	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	90.1	Vertical	100	
Oshakati	17°47'25.9"S	15°42'36"E	104	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	96.8	Vertical	2000	
Oshakati	17°47'25.9"S	15°42'36"E	90.9	Vertical	250	
Oshakati	17°47'25.9"S	15°42'36"E	102.3	Vertical	100	
Oshakati	17°47'25.9"S	15°42'36"E	94.5	Vertical	1000	
Oshakati	17°47'25.9"S	15°42'36"E	95.5	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	106.8	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	103.6	Vertical	1000	
Oshakati	17°47'25.9"S	15°42'36"E	106	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	105.6	Vertical	1000	
Oshakati	17°47'25.9"S	15°42'36"E	89.2	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	87.8	Vertical	5000	
Oshakati	17°47'25.9"S	15°42'36"E	96.4	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	97.4	Vertical	5000	
Oshakati	17°47'25.9"S	15°42'36"E	98.8	Vertical	1000	
Oshakati	17°47'25.9"S	15°42'36"E	105.9	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	93.2	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	92.3	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	99.7	Vertical	500	
Oshakati	17°47'25.9"S	15°42'36"E	103.2	Vertical	1000	
Otjimbingwe	22°21'24.9"S	16°7'41"E	102.3	Vertical	100	Erongo
Otjimbingwe	22°21'24.9"S	16°7'41"E	105	Vertical	100	
Otjinene	21°08'16"S	18°47'03.0"E	90.4	Vertical	100	Omaheke
Otjinene	21°08'16"S	18°47'03.0"E	93.5	Vertical	100	
Otjinene	21°08'16"S	18°47'03.0"E	96.7	Vertical	100	
Otjinene	21°08'16"S	18°47'03.0"E	103.5	Vertical	100	

Otjiwarongo	20°28'46.4"S	16°39'30.42"E	98.8	Vertical	100	Otjozondjupa
Otjiwarongo	20°28'46.4"S	16°39'30.42"E	103.4	Vertical	500	
Otjiwarongo	20°28'46.4"S	16°39'30.42"E	107.6	Vertical	1000	
Otjiwarongo	20°28'46.4"S	16°39'30.42"E	87.8	Vertical	100	
Otjiwarongo	20°28'46.4"S	16°39'30.42"E	95.5	Vertical	250	
Otjiwarongo	20°28'46.4"S	16°39'30.42"E	89.2	Vertical	100	
Otjiwarongo	20°28'46.4"S	16°39'30.42"E	90.9	Vertical	500	
Otjiwarongo	20°28'46.4"S	16°39'30.42"E	100.9	Vertical	500	
Otjiwarongo	20°28'46.4"S	16°39'30.42"E	99.6	Vertical	1000	
Otjiwarongo	20°28'46.4"S	16°39'30.42"E	105.9	Vertical	100	
Outapi	17°30'16.66"S	14°31'40.47"E	93.6	Vertical	100	Omusati
Outapi	17°30'16.66"S	14°31'40.47"E	94.3	Vertical	500	
Outapi	17°30'16.66"S	14°31'40.47"E	88.2	Vertical	100	
Outapi	17°30'16.66"S	14°31'40.47"E	100.6	Vertical	250	
Outapi	17°30'16.66"S	14°31'40.47"E	104	Vertical	250	
Outjo	20°6'28.57"S	16°9'21.43"E	104	Vertical	250	Kunene
Paresis	20°20'0.9"S	16°19'10"E	88.7	Vertical	100	Otjozondjupa
Paresis	20°20'0.9"S	16°19'10"E	91.8	Vertical	100	
Paresis	20°20'0.9"S	16°19'10"E	95	Vertical	100	
Paresis	20°20'0.9"S	16°19'10"E	96.7	Vertical	100	
Paresis	20°20'0.9"S	16°19'10"E	101.8	Vertical	100	
Paresis	20°20'0.9"S	16°19'10"E	105.4	Vertical	100	
Rehoboth	23°18'6.26"S	17°4'5.02"E	97.1	Vertical	100	Hardap
Rehoboth	23°18'6.26"S	17°4'5.02"E	105.8	Vertical	100	
Renosterkop	20°31'24.9"S	15°13'38.4"E	87.9	Vertical	100	Kunene
Renosterkop	20°31'24.9"S	15°13'38.4"E	91	Vertical	100	
Renosterkop	20°31'24.9"S	15°13'38.4"E	101	Vertical	100	
Renosterkop	20°31'24.9"S	15°13'38.4"E	104.6	Vertical	100	
Reoland	25°8'19.3"S	18°58'17.59"E	100.2	Vertical	1000	Hardap
Rietfontein	21°51'1.9"S	20°45'21"E	92.2	Vertical	25	Omaheke
Rietfontein	21°51'1.9"S	20°45'21"E	89.1	Vertical	25	
Rietfontein	21°51'1.9"S	20°45'21"E	95.4	Vertical	25	
Rietfontein	21°51'1.9"S	20°45'21"E	98.7	Vertical	25	
Rosh Pinah	27°57'24.9"S	16°45'43.98"E	102.3	Vertical	250	Karas
Rosh Pinah	27°57'24.9"S	16°45'43.98"E	103.4	Vertical	100	
Rosh Pinah	27°57'24.9"S	16°45'43.98"E	90.3	Vertical	50	
Rosh Pinah	27°57'24.9"S	16°45'43.98"E	93.4	Vertical	50	
Rosh Pinah	27°57'24.9"S	16°45'43.98"E	96.6	Vertical	50	
Rosh Pinah	27°57'24.9"S	16°45'43.98"E	99.9	Vertical	50	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	97.5	Vertical	1000	Erongo
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	88.3	Vertical	1000	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	102.8	Vertical	500	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	91.1	Vertical	1000	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	103.3	Vertical	1000	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	89.7	Vertical	1000	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	92.8	Vertical	1000	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	96	Vertical	1000	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	99.3	Vertical	1000	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	101.1	Vertical	1000	
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	106.4	Vertical	1000	

Rossing Mountain	22°31'50.3"S	14°49'13.3"E	93.3	Vertical	1000		
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	105	Vertical	1000		
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	95.5	Vertical	1000		
Rossing Mountain	22°31'50.3"S	14°49'13.3"E	106.9	Vertical	1000		
Ruacana	17°25'49.04"S	14°23'30.12"E	107.2	Vertical	100	Kavango	
Ruacana	17°25'49.04"S	14°23'30.12"E	88	Vertical	100		
Rundu	17°54'48.6"S	19°45'47"E	104.3	Vertical	500		
Rundu	17°54'48.6"S	19°45'47"E	105.6	Vertical	1000		
Rundu	17°54'48.6"S	19°45'47"E	102.7	Vertical	100		
Rundu	17°54'48.6"S	19°45'47"E	106.3	Vertical	1000		
Rundu	17°54'48.6"S	19°45'47"E	101.8	Vertical	1000		
Rundu	17°54'48.6"S	19°45'47"E	99.2	Vertical	100		
Rundu	17°54'48.6"S	19°45'47"E	107.7	Vertical	250		
Rundu	17°54'48.6"S	19°45'47"E	92.7	Vertical	30		
Rundu	17°54'48.6"S	19°45'47"E	105.4	Vertical	250		
Rundu	17°54'48.6"S	19°45'47"E	107.2	Vertical	1000		
Rundu	17°54'48.6"S	19°45'47"E	89.6	Vertical	50		
Rundu	17°54'48.6"S	19°45'47"E	97.5	Vertical	50		
Rundu	17°54'48.6"S	19°45'47"E	93.7	Vertical	1000		
Rundu	17°54'48.6"S	19°45'47"E	96.9	Vertical	1000		
Schlip	24°2'43.94"S	17°7'40.53"E	95.3	Vertical	100		Hardap
Schlip	24°2'43.94"S	17°7'40.53"E	90	Vertical	100		
Schlip	24°2'43.94"S	17°7'40.53"E	103.9	Vertical	100		
Schlip	24°2'43.94"S	17°7'40.53"E	93.1	Vertical	100		
Schlip	24°2'43.94"S	17°7'40.53"E	99.6	Vertical	100		
Schlip	24°2'43.94"S	17°7'40.53"E	106.7	Vertical	100		
Sessfontein	19°07'20.0"S	13°36'53"E	91.6	Vertical	25	Kunene	
Sessfontein	19°07'20.0"S	13°36'53"E	98.1	Vertical	25		
Sessfontein	19°07'20.0"S	13°36'53"E	101.6	Vertical	100		
Sessfontein	19°07'20.0"S	13°36'53"E	105.2	Vertical	100		
Shamvura	18°2'22.1"S	20°51'57.8"E	91.3	Vertical	25	Kavango	
Shamvura	18°2'22.1"S	20°51'57.8"E	97.8	Vertical	25		
Shamvura	18°2'22.1"S	20°51'57.8"E	94.5	Vertical	250		
Shamvura	18°2'22.1"S	20°51'57.8"E	104.9	Vertical	25		
Signalberg	19°34'28"S	17°42'39.3"E	90.4	Vertical	500	Otjozondjupa	
Signalberg	19°34'28"S	17°42'39.3"E	104	Vertical	2000		
Signalberg	19°34'28"S	17°42'39.3"E	107	Vertical	1000		
Signalberg	19°34'28"S	17°42'39.3"E	96.3	Vertical	2000		
Signalberg	19°34'28"S	17°42'39.3"E	87.7	Vertical	300		
Signalberg	19°34'28"S	17°42'39.3"E	90.8	Vertical	300		
Signalberg	19°34'28"S	17°42'39.3"E	103	Vertical	300		
Signalberg	19°34'28"S	17°42'39.3"E	97.3	Vertical	300		
Signalberg	19°34'28"S	17°42'39.3"E	100.8	Vertical	300		
Signalberg	19°34'28"S	17°42'39.3"E	104.4	Vertical	300		
Signalberg	19°34'28"S	17°42'39.3"E	104	Vertical	1000		
Signalberg	19°34'28"S	17°42'39.3"E	92.3	Vertical	300		
Signalberg	19°34'28"S	17°42'39.3"E	95.5	Vertical	300		
Signalberg	19°34'28"S	17°42'39.3"E	93.5	Vertical	301		
Signalberg	19°34'28"S	17°42'39.3"E	98.8	Vertical	300		
Signalberg	19°34'28"S	17°42'39.3"E	102.3	Vertical	300		

Soutblok	22°35'50"S	14°31'38.91"E	101.6	Vertical	250	Erongo
Stampriet	24°20'31.5"S	18°25'8.6"E	102.8	Vertical	1000	Hardap
Stampriet	24°20'31.5"S	18°25'8.6"E	89.7	Vertical	1000	
Stampriet	24°20'31.5"S	18°25'8.6"E	92.8	Vertical	1000	
Stampriet	24°20'31.5"S	18°25'8.6"E	96	Vertical	1000	
Stampriet	24°20'31.5"S	18°25'8.6"E	91.2	Vertical	1000	
Stampriet	24°20'31.5"S	18°25'8.6"E	94.4	Vertical	1000	
Stampriet	24°20'31.5"S	18°25'8.6"E	106.4	Vertical	1000	
Stampriet	24°20'31.5"S	18°25'8.6"E	97.7	Vertical	1000	
Stampriet	24°20'31.5"S	18°25'8.6"E	104.8	Vertical	1000	
Stampriet	24°20'31.5"S	18°25'8.6"E	99.3	Vertical	1000	
Stampriet	24°20'31.5"S	18°25'8.6"E	107.5	Vertical	1000	
Swakopmund	22°39'7.16"S	14°32'44.07"E	99.8	Vertical	250	
Swakopmund	22°39'7.16"S	14°32'44.07"E	91.5	Vertical	250	
Swakopmund	22°39'7.16"S	14°32'44.07"E	103.8	Vertical	100	
Swakopmund	22°39'7.16"S	14°32'44.07"E	89.3	Vertical	100	
Swakopmund	22°39'7.16"S	14°32'44.07"E	98.5	Vertical	250	
Swakopmund	22°39'7.16"S	14°32'44.07"E	102.3	Vertical	100	
Swakopmund	22°39'7.16"S	14°32'44.07"E	94.3	Vertical	500	
Swakopmund	22°39'7.16"S	14°32'44.07"E	96.5	Vertical	500	
Swakopmund	22°39'7.16"S	14°32'44.07"E	107.7	Vertical	100	
Terracebay	19°59'34.51"S	13°2'10.36"E	104.3	Vertical	100	Erongo
Tsumeb	19°14'44.75"S	17°43'19.83"E	101.7	Vertical	20	Oshikoto
Tsumeb	19°14'44.75"S	17°43'19.83"E	104.5	Vertical	1000	
Tsumeb	19°14'44.75"S	17°43'19.83"E	91.4	Vertical	100	
Tsumeb	19°14'44.75"S	17°43'19.83"E	103.6	Vertical	500	
Tsumeb	19°14'44.75"S	17°43'19.83"E	89.5	Vertical	100	
Tsumeb	19°14'44.75"S	17°43'19.83"E	99.1	Vertical	200	
Tsumeb	19°14'44.75"S	17°43'19.83"E	92.6	Vertical	100	
Tsumeb	19°14'44.75"S	17°43'19.83"E	88.6	Vertical	50	
Tsumeb	19°14'44.75"S	17°43'19.83"E	91.7	Vertical	50	
Tsumeb	19°14'44.75"S	17°43'19.83"E	94.9	Vertical	50	
Tsumeb	19°14'44.75"S	17°43'19.83"E	98.2	Vertical	50	
Tsumeb	19°14'44.75"S	17°43'19.83"E	105.3	Vertical	50	
Tsumkwe	19°35'55.38"S	20°30'3.62"E	90.4	Vertical	100	Otjozondjupa
Tsumkwe	19°35'55.38"S	20°30'3.62"E	100	Vertical	25	
Tsumkwe	19°35'55.38"S	20°30'3.62"E	93.5	Vertical	25	
Tsumkwe	19°35'55.38"S	20°30'3.62"E	103.5	Vertical	100	
Twee Riviere	25°27'44.16"S	19°26'19.04"E	88.1	Vertical	500	Hardap
Uis	21°13'3.85"S	14°52'2.43"E	102.3	Vertical	500	Erongo
Ur	27°34'55.3"S	17°6'25.3"E	89.8	Vertical	300	Karas
Ur	27°34'55.3"S	17°6'25.3"E	92.7	Vertical	300	
Ur	27°34'55.3"S	17°6'25.3"E	96.1	Vertical	300	
Ur	27°34'55.3"S	17°6'25.3"E	99.4	Vertical	300	
Ur	27°34'55.3"S	17°6'25.3"E	102.9	Vertical	300	
Ur	27°34'55.3"S	17°6'25.3"E	106.5	Vertical	300	
Usakos	21°58'34.26"S	15°36'17.65"E	88	Vertical	250	Erongo
Walvisbay	22°57'21.83"S	14°31'40.47"E	99.8	Vertical	250	Erongo
Walvisbay	22°57'21.83"S	14°31'40.47"E	101.9	Vertical	100	
Walvisbay	22°57'21.83"S	14°31'40.47"E	104.1	Vertical	100	

Walvisbay	22°57'21.83"S	14°31'40.47"E	93.9	Vertical	50	
Walvisbay	22°57'21.83"S	14°31'40.47"E	105.5	Vertical	100	
Walvisbay	22°57'21.83"S	14°31'40.47"E	88.8	Vertical	100	
Walvisbay	22°57'21.83"S	14°31'40.47"E	95.1	Vertical	100	
Walvisbay	22°57'21.83"S	14°31'40.47"E	91.9	Vertical	100	
Walvisbay	22°57'21.83"S	14°31'40.47"E	104	Vertical	500	
Walvisbay	22°57'21.83"S	14°31'40.47"E	104.6	Vertical	100	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	102.3	Vertical	250	Khomas
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	89.5	Vertical	50	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	92.6	Vertical	50	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	95.8	Vertical	50	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	107.1	Vertical	100	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	93.5	Vertical	100	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	90.4	Vertical	50	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	100.4	Vertical	500	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	106.6	Vertical	500	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	95.3	Vertical	500	
Windhoek Hohe	22°34'55.44"S	17°6'25.03"E	89	Vertical	500	

COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 73

2020

NOTICE OF INTENTION TO PRESCRIBE A FREQUENCY BAND PLAN IN RESPECT OF DIGITAL SOUND BROADCASTING: COMMUNICATIONS ACT, 2009

The Communications Regulatory Authority of Namibia (hereafter "the Authority") in terms of section 100(4) of the Communications Act, 2009 (Act No. 8 of 2009) publishes this notice of intention to prescribe a Frequency Band Plan in respect of Digital Sound Broadcasting, which contains the following:

1. A concise statement of the purpose for the proposed Frequency Band Plan in respect of Digital Sound Broadcasting as set out in Schedule 1;
2. A draft of the proposed Frequency Band Plan as set out in Schedule 2.

Members of the public are invited to make written submissions to the Authority no later than 30 days from the date of publication of this Notice, in the manner set out below for making written submissions.

Thereafter reply comments to written submissions may be submitted to the Authority-

- (a) no later than 15 days after the time for the making of written submissions has lapsed; or
- (b) if the opportunity for the submission of reply comments is published in a subsequent *Gazette*, after the lapse of 14 days from the date of such publication.

All written submissions must-

- (a) contain the name and contact details of the person making the written submissions and the name and contact details of the person or entity on whose behalf the written submissions are made, if different; and

- (b) be clear and concise.

All written submissions must be sent or given in any of the following ways to the Head of Legal advice:

1. By hand to the head offices of the Authority, namely Communication House, No 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 fax to email to: 0886550852

The Authority further gives notice in terms of section 100(5) of the Act herewith that it will hold a public hearing regarding the proposed Frequency Band Plan as follows:

DATE: 19 March 2020

TIME: 09H00

VENUE: TBA

**H. M. GAOMAB II
CHAIRPERSON OF THE BOARD
COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA**

SCHEDULE 1

CONCISE STATEMENT OF PURPOSE

1. Section 99 of the Communications Act, 2009 vests the Communications Regulatory Authority with the control, planning, administration, management and licensing of the radio spectrum. That section further requires the Authority to comply with the applicable standards and requirements of the International Telecommunication Union and its Radio Regulations, as agreed to or adopted by Namibia.
2. In terms of section 100, the Authority may prescribe a frequency band plan in respect of any part of the radio frequency spectrum. The proposed Frequency Band Plan contained in Schedule 2 is aimed at prescribing a frequency band plan in respect of Digital Sound Broadcasting.
3. A frequency band plan as made in terms of section 100(2) must-
 - 3.1 define how the radio spectrum must be used;
 - 3.2 aim at ensuring that the radio frequency spectrum is utilised and managed in an orderly, efficient and effective manner;
 - 3.3 aim at reducing congestion in the use of frequencies and at protecting frequency users from any interference or other inability to make use of the frequencies assigned to them;
 - 3.4 avoid obstacles to the introduction of new technologies and telecommunication services;

- 3.5 aim at providing opportunities for the introduction of the widest range of telecommunication services and the maximum number of users thereof as is practically feasible.
4. At an international level the planning of the radio frequency spectrum is the responsibility of the International Telecommunication Union (ITU), in particular its Radiocommunications Bureau (ITU-R). The mission of the ITU-R is to ensure rational, equitable, efficient and economic use of radio frequency spectrum and to adopt recommendations for member states. The radio frequency spectrum bands recommended for allocation to Namibia are contained in ITU Region 1 which covers African and Europe.
5. In complying with section 100(3) of the Communications Act, 2009, the Authority duly took into account the allocation of radio frequency spectrum by the ITU.

SCHEDULE 2

PROPOSED FREQUENCY BAND PLAN IN RESPECT OF DIGITAL SOUND BROADCASTING: COMMUNICATIONS ACT, 2009

The Communications Regulatory Authority of Namibia in terms of section 100(1) read with section 129 of the Communications Act, 2009 (Act No. 8 of 2009), prescribes the Frequency Band Plan in respect of Digital Sound Broadcasting set out in the Schedule.

SCHEDULE

Item	Service Type	Allotment Name (Region)	Frequency	Channel	TX Power (Watt)	Bandwidth (MHz)	Polarisation
1	T-DAB	Khomas	220.352	11C	1000	1.536	Vertical/Horizontal
2	T-DAB	Khomas	227.360	12C	1000	1.536	Vertical/Horizontal
3	T-DAB	Caprivi	220.352	11C	1000	1.536	Vertical/Horizontal
4	T-DAB	Caprivi	227.360	12C	1000	1.536	Vertical/Horizontal
5	T-DAB	Hardap	216.928	11A	1000	1.536	Vertical/Horizontal
6	T-DAB	Hardap	223.936	12A	1000	1.536	Vertical/Horizontal
7	T-DAB	Otjozundjupa	216.928	11A	1000	1.536	Vertical/Horizontal
8	T-DAB	Otjozundjupa	223.936	12A	1000	1.536	Vertical/Horizontal
9	T-DAB	Kunene	220.352	11C	1000	1.536	Vertical/Horizontal
10	T-DAB	Kunene	227.360	12C	1000	1.536	Vertical/Horizontal
11	T-DAB	Karas	218.640	11B	1000	1.536	Vertical/Horizontal
12	T-DAB	Karas	225.648	12B	1000	1.536	Vertical/Horizontal
13	T-DAB	Erongo	218.640	11B	1000	1.536	Vertical/Horizontal
14	T-DAB	Erongo	225.648	12B	1000	1.536	Vertical/Horizontal
15	T-DAB	Omaheke	222.064	11D	1000	1.536	Vertical/Horizontal
16	T-DAB	Omaheke	229.072	12D	1000	1.536	Vertical/Horizontal
17	T-DAB	Oshikoto, Oshana, Ohangwena, Omusati	218.640	11B	1000	1.536	Vertical/Horizontal
18	T-DAB	Oshikoto, Oshana, Ohangwena, Omusati	225.648	12B	1000	1.536	Vertical/Horizontal
19	T-DAB	Kavango (East & West)	222.064	11D	1000	1.536	Vertical/Horizontal
20	T-DAB	Kavango (East & West)	229.072	12D	1000	1.536	Vertical/Horizontal
21	T-DAB	National	215.072	10D	1000	1.536	Vertical/Horizontal

Item	Service Type	Transmitter Name	Frequency (kHz)	ERP (kW)	Longitude	Latitude
1	DRM30	Tsumeb	594	398.1072	19° 10' 12"S	17° 22' 48"E
2	DRM30	Mariental	675	57.544	24° 22' 12"S	17° 34' 48"E
3	DRM30	Rundu	747	199.5262	17° 22' 12"S	19° 27' 36"E
4	DRM30	Opuwo	882	199.5262	18° 02' 24"S	13° 30' 0.0"E
5	DRM30	Otjiwarongo	963	81.2831	20° 16' 48"S	16° 22' 48"E
6	DRM30	Keetmanshoop	1224	81.2831	26° 21' 0.0"S	18° 4' 48" E
7	DRM30	Windhoek	1260	162.181	22° 21' 0.0"S	17° 3' 36"E
8	DRM30	Luderitz	1386	16.2181	26° 23' 24"S	15° 6' 0.0"E
9	DRM30	Karasburg	1467	81.2831	28° 0' 36"S	18° 27' 0.0"E
10	DRM30	Oranjemund	1494	8.1283	28° 19' 48"S	16° 15' 0.0"E
11	DRM30	Sesfontein	1368	100	19° 07' 28.24"S	13° 37' 02.86"E
12	DRM30	Oshakati	1305	100	17° 47' 25.40"S	15° 42' 22.73"E
13	DRM30	Kalkfeld	1422	100	20° 53' 28.07"S	16° 11' 25.91"E
14	DRM30	Bukalo	1269	100	17° 43' 0.00"S	24° 31' 26"E
15	DRM30	Nkurenkuru	1512	100	17° 29' 0.00"S	18° 28' 0.00"E
16	DRM30	Witvlei	1602	100	22° 24' 20.60"S	18° 29' 34.62"E
17	DRM30	Divundu	1035	100	18° 07' 0.00"S	21° 37' 10"E
18	DRM30	Kriess	1550	100	25° 00' 29.68"S	18° 09' 16.25"E