

### **GOVERNMENT GAZETTE**

#### **OF THE**

## **REPUBLIC OF NAMIBIA**

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No. 8251

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#### GENERAL NOTICE

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### **General Notice**

#### **COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA**

No. 738

AMENDMENT TO THE REGULATIONS SETTING OUT FEES FOR SPECTRUM LICENCES, CERTIFICATES AND EXAMINATIONS: COMMUNICATIONS ACT, 2009

The Communications Regulatory Authority of Namibia, in terms of sections 38(5), 101 and 129 of the Communications Act, 2009 (Act No. 8 of 2009), and the Regulations regarding Rule-Making Procedures published in Government Gazette No. 4630, General Notice No. 334 dated 17 December 2010 publishes this amendment to the Regulations Setting Out Fees for Spectrum Licences, Certificates and Examinations.

In terms of sections 38(5), 101 and 129 of the Communications Act, 2009 (Act No. 8 of 2009) the Communications Regulatory Authority –

(a) Amends the Regulations Setting Out Fees for Spectrum Licences, Certificates and Examinations published in Government Gazette No. 7359, General Notice No. 417 dated 14 October 2020.

#### T. MUFETI CHAIRPERSON COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

2023

#### SCHEDULE

#### Amendment of Regulation 1 of the Regulations

- 1. Regulation 1 of the Regulations is amended –
- (a) by the substitution for the definition of the phrase "Frequency Band Plan" of the following definition:

"Frequency Band Plan" means the Frequency Band Plan of Namibia published under Government Gazette No. 7617, General Notice No. 448 dated 31 August 2021.

#### Amendment of Regulation 4 of the Regulations

- 2. Regulation 4(1) of the Regulations is amended –
- (a) by the substitution for subsection 4(1) of the following subsection:

"(1) The fees set out for items 1, 2, 3, 4, 5, 6 and 9 of Table 1 below are payable annually in advance and in full, and are not refundable in full or in part, regardless of a spectrum licence or the authorisation to utilise spectrum in terms of such licence pertaining to such fees -

- (a) is issued during the course of a specific calendar year; or
- (b) expires, is forfeited, lapses or is discontinued for whatever reason:

Provided that licensees are bound to pay a minimum fee of N\$65.00 irrespective of the actual amount payable in terms of this subregulation.

(b) The Regulations is amended by the substitution for Table 1 of the following Table.

# TABLE 1 SPECTRUM LICENCES, CERTIFICATES AND EXAMINATIONS FEES

	FEES (N\$)	
1.	AMATEUR RADIO	
1.1	All classes of amateur radio spectrum licences	112.00
1.2	Beacon	112.00
1.3	Examination	112.00
1.4	Guest or special event spectrum licence	112.00
1.5	Repeater station	112.00
2.	AERONAUTICAL	
2.1	Aircraft station	222.00
2.2	Glider / microlight	112.00
2.3	Ground station	133.00
2.4	Navigation aids / beacons	112.00
2.5	Operator certificate radiotelephony (including duplicate)	112.00
3.	MARITIME	
3.1	Beacon	112.00
3.2	Operator certificate radiotelephony (including duplicate)	112.00
3.3	Ship Station	

3.3.2       Any additional VHF or HF frequencies       1         3.4       Coast Station       1         3.4.1       ITU assigned frequencies       1         3.4.2       Any additional VHF or HF frequencies       1         3.4.3       Yacht and ski-boat stations       1         4.       LAND MOBILE SERVICE       1         4.1       Private alarm station (see item 6.1 for alarm systems)       1         4.2       Base Mobile Station       1         4.2.1       27/29 MHz band (including CB band)       1         4.2.2       VHF/UHF per simplex frequency in urban areas       1         4.3.1       Duplex frequency urban areas       2         4.3.2       Duplex frequency urban areas       2         4.3.3       Simplex frequency (Parrot repeater)       2         4.3.4       Any additional simplex frequency (per frequency)       2         4.4       Experimental Station       2         4.3.4       Any additional simplex frequency (per frequency)       3         4.4       Experimental Station       3         4.4.1       Experimental station valid for 6 months       3         4.6       National Occupancy (Base Mobile Station)       3	112.00 334.00 112.00 112.00 371.00 112.00 222.00 133.00 448.00 890.00 401.00
3.4       Coast Station	334.00 112.00 112.00 371.00 112.00 222.00 133.00 448.00 890.00 401.00
3.4.1ITU assigned frequencies3.4.2Any additional VHF or HF frequencies13.4.3Yacht and ski-boat stations14.LAND MOBILE SERVICE4.1Private alarm station (see item 6.1 for alarm systems)4.2Base Mobile Station4.2.127/29 MHz band (including CB band)4.2.2VHF/UHF per simplex frequency in urban areas4.2.3VHF/UHF per simplex frequency in non-urban areas4.3Repeater (private and exclusive)4.3.1Duplex frequency urban areas4.3.2Duplex frequency onn-urban areas4.3.3Simplex frequency (Parrot repeater)4.3.4Any additional simplex frequency (per frequency)4.4Experimental Station4.4.1Experimental station valid for 6 months4.6National Occupancy (Base Mobile Station)4.6.1Not shared	334.00         112.00         112.00         371.00         112.00         112.00         112.00         133.00         448.00         890.00         401.00
3.4.2Any additional VHF or HF frequencies13.4.3Yacht and ski-boat stations14.LAND MOBILE SERVICE4.1Private alarm station (see item 6.1 for alarm systems)4.2Base Mobile Station4.2.127/29 MHz band (including CB band)4.2.2VHF/UHF per simplex frequency in urban areas4.3.3VHF/UHF per simplex frequency in non-urban areas4.3Repeater (private and exclusive)4.3.1Duplex frequency urban areas4.3.2Duplex frequency (Parrot repeater)4.3.4Any additional simplex frequency (per frequency)4.4Experimental Station4.4.1Experimental station valid for 6 months4.6National Occupancy (Base Mobile Station)4.6.1Not shared	112.00 112.00 371.00 112.00 222.00 133.00 448.00 890.00 401.00
3.4.3Yacht and ski-boat stations4.LAND MOBILE SERVICE4.1Private alarm station (see item 6.1 for alarm systems)4.2Base Mobile Station4.2.127/29 MHz band (including CB band)4.2.2VHF/UHF per simplex frequency in urban areas4.2.3VHF/UHF per simplex frequency in non-urban areas4.3Repeater (private and exclusive)4.3.1Duplex frequency urban areas4.3.2Duplex frequency non-urban areas4.3.3Simplex frequency (Parrot repeater)4.3.4Any additional simplex frequency (per frequency)4.4Experimental Station4.6National Occupancy (Base Mobile Station)4.6.1Not shared	112.00 371.00 112.00 222.00 133.00 448.00 890.00 401.00
4.       LAND MOBILE SERVICE         4.1       Private alarm station (see item 6.1 for alarm systems)         4.2       Base Mobile Station         4.2       Base Mobile Station         4.2.1       27/29 MHz band (including CB band)         4.2.2       VHF/UHF per simplex frequency in urban areas         4.2.3       VHF/UHF per simplex frequency in non-urban areas         4.3       Repeater (private and exclusive)         4.3.1       Duplex frequency urban areas         4.3.2       Duplex frequency non-urban areas         4.3.3       Simplex frequency (Parrot repeater)         4.3.4       Any additional simplex frequency (per frequency)         4.4       Experimental Station         4.4.1       Experimental station valid for 6 months         4.6       National Occupancy (Base Mobile Station)         4.6.1       Not shared       1,	371.00 112.00 222.00 133.00 448.00 890.00 401.00
4.1Private alarm station (see item 6.1 for alarm systems)4.2Base Mobile Station4.2.127/29 MHz band (including CB band)4.2.2VHF/UHF per simplex frequency in urban areas4.2.3VHF/UHF per simplex frequency in non-urban areas4.3Repeater (private and exclusive)4.3.1Duplex frequency urban areas4.3.2Duplex frequency non-urban areas4.3.3Simplex frequency (Parrot repeater)4.3.4Any additional simplex frequency (per frequency)4.4Experimental Station4.4.1Experimental station valid for 6 months4.6National Occupancy (Base Mobile Station)4.6.1Not shared	371.00 112.00 222.00 133.00 448.00 890.00 401.00
4.2Base Mobile Station4.2.127/29 MHz band (including CB band)4.2.2VHF/UHF per simplex frequency in urban areas4.2.3VHF/UHF per simplex frequency in non-urban areas4.3Repeater (private and exclusive)4.3.1Duplex frequency urban areas4.3.2Duplex frequency non-urban areas4.3.3Simplex frequency (Parrot repeater)4.3.4Any additional simplex frequency (per frequency)4.4Experimental Station4.4.1Experimental station valid for 6 months4.6National Occupancy (Base Mobile Station)4.6.1Not shared1,	112.00 222.00 133.00 448.00 890.00 401.00
4.2.127/29 MHz band (including CB band)4.2.2VHF/UHF per simplex frequency in urban areas4.2.3VHF/UHF per simplex frequency in non-urban areas4.3Repeater (private and exclusive)4.3.1Duplex frequency urban areas4.3.2Duplex frequency non-urban areas4.3.3Simplex frequency (Parrot repeater)4.3.4Any additional simplex frequency (per frequency)4.4Experimental Station4.4.1Experimental station valid for 6 months4.6National Occupancy (Base Mobile Station)4.6.1Not shared	112.00 222.00 133.00 448.00 890.00 401.00
4.2.2VHF/UHF per simplex frequency in urban areas4.2.3VHF/UHF per simplex frequency in non-urban areas4.3Repeater (private and exclusive)4.3.1Duplex frequency urban areas4.3.2Duplex frequency non-urban areas4.3.3Simplex frequency (Parrot repeater)4.3.4Any additional simplex frequency (per frequency)4.4Experimental Station4.4.1Experimental station valid for 6 months4.6National Occupancy (Base Mobile Station)4.6.1Not shared	222.00 133.00 448.00 890.00 401.00
4.2.3VHF/UHF per simplex frequency in non-urban areas4.3Repeater (private and exclusive)4.3.1Duplex frequency urban areas4.3.2Duplex frequency non-urban areas4.3.3Simplex frequency (Parrot repeater)4.3.4Any additional simplex frequency (per frequency)4.4Experimental Station4.4.1Experimental station valid for 6 months4.6National Occupancy (Base Mobile Station)4.6.1Not shared	133.00 448.00 890.00 401.00
4.3       Repeater (private and exclusive)         4.3       Duplex frequency urban areas         4.3.1       Duplex frequency urban areas         4.3.2       Duplex frequency non-urban areas         4.3.3       Simplex frequency (Parrot repeater)         4.3.4       Any additional simplex frequency (per frequency)         4.4       Experimental Station         4.4.1       Experimental station valid for 6 months         4.6       National Occupancy (Base Mobile Station)         4.6.1       Not shared	448.00 890.00 401.00
4.3.1       Duplex frequency urban areas       2,         4.3.2       Duplex frequency non-urban areas       2,         4.3.3       Simplex frequency (Parrot repeater)       4.3.4         4.3.4       Any additional simplex frequency (per frequency)       4.4         4.4       Experimental Station       4.4.1         4.4.1       Experimental station valid for 6 months       4.6         4.6       National Occupancy (Base Mobile Station)       1,	448.00 890.00 401.00
4.3.2       Duplex frequency non-urban areas         4.3.3       Simplex frequency (Parrot repeater)         4.3.4       Any additional simplex frequency (per frequency)         4.4       Experimental Station         4.4.1       Experimental station valid for 6 months         4.6       National Occupancy (Base Mobile Station)         4.6.1       Not shared	890.00 401.00
4.3.2       Support Requency from around aroun	401.00
4.3.4       Any additional simplex frequency (per frequency)         4.4       Experimental Station         4.4.1       Experimental station valid for 6 months         4.6       National Occupancy (Base Mobile Station)         4.6.1       Not shared	
4.4       Experimental Station         4.4.1       Experimental station valid for 6 months         4.6       National Occupancy (Base Mobile Station)         4.6.1       Not shared	222.00
4.4.1     Experimental station valid for 6 months       4.6     National Occupancy (Base Mobile Station)       4.6.1     Not shared	
4.6     National Occupancy (Base Mobile Station)       4.6.1     Not shared	222.00
4.6.1     Not shared	
	780.00
462 Shared	222.00
5 HICH FREQUENCY (HE) RADIO	222.00
5.1 Fixed/mobile Station	334.00
5.2 Fixed radio station above 400Watt 2	225.00
6 RADIO COMMUNICATIONS SYSTEMS	223.00
6.1 Alarm	
6.1 Urban complexes (per control room and per frequency) 7	417.00
6.1.2 All other areas (per control room and per frequency)	854.00
6.2 Load management (including telemetry) 7	417.00
6.3 Paging (one-way)	+17.00
6.3.1 Commercial	
6.3.1.1 Application 2	318.00
6 3 1 2 Per control room 11	125.00
6.3.2 Private	123.00
6.3.2 Per control room and per frequency	222.00
6.4 Radio trunking	222.00
6.4.1 For a maximum of one control channel per base station 1	112.00
	112.00
For each additional double trequency or it only one	
6.4.2 For each additional double frequency or if only one 5, channel is used at a base station 5,	562.00
6.4.2For each additional double frequency or it only one channel is used at a base station5,6.5Repeater (Community/Shared)5,	562.00
6.4.2       For each additional double frequency or if only one channel is used at a base station       5,         6.5       Repeater (Community/Shared)       5,         6.5.1       Urban area per duplex frequency (commercial use)       5,	562.00
6.4.2       For each additional double frequency or if only one channel is used at a base station       5.         6.5       Repeater (Community/Shared)       5.         6.5.1       Urban area per duplex frequency (commercial use)       5.         6.5.2       All other areas per duplex (commercial use)       2.	562.00 117.00 670.00
6.4.2For each additional double frequency or if only one channel is used at a base station5.6.5Repeater (Community/Shared)5.6.5.1Urban area per duplex frequency (commercial use)5.6.5.2All other areas per duplex (commercial use)2.6.5.3All other areas per duplex (farmers associations only)1	562.00 117.00 670.00 112.00
6.4.2       For each additional double frequency or if only one channel is used at a base station       5,         6.5       Repeater (Community/Shared)       5,         6.5.1       Urban area per duplex frequency (commercial use)       5,         6.5.2       All other areas per duplex (commercial use)       2,         6.5.3       All other areas per duplex (farmers associations only)       1,         7.       SATELLITE SERVICES (LAND, MOBILE, MARITIME)	562.00 117.00 670.00 112.00
6.4.2       For each additional double frequency or if only one channel is used at a base station       5.         6.5       Repeater (Community/Shared)       5.         6.5.1       Urban area per duplex frequency (commercial use)       5.         6.5.2       All other areas per duplex (commercial use)       2.         6.5.3       All other areas per duplex (farmers associations only)       1.         7.       SATELLITE SERVICES (LAND, MOBILE, MARITIME)       7.1	562.00 117.00 670.00 112.00
6.4.2       For each additional double frequency or if only one channel is used at a base station       5,         6.5       Repeater (Community/Shared)       5,         6.5.1       Urban area per duplex frequency (commercial use)       5,         6.5.2       All other areas per duplex (commercial use)       2,         6.5.3       All other areas per duplex (farmers associations only)       1,         7.       SATELLITE SERVICES (LAND, MOBILE, MARITIME)       3         7.1       Inmarsat       3	562.00 117.00 670.00 112.00 337.00
6.4.2       For each additional double frequency or it only one channel is used at a base station       5.         6.5       Repeater (Community/Shared)       5.         6.5.1       Urban area per duplex frequency (commercial use)       5.         6.5.2       All other areas per duplex (commercial use)       2.         6.5.3       All other areas per duplex (farmers associations only)       1.         7.       SATELLITE SERVICES (LAND, MOBILE, MARITIME)       3.         7.1       Inmarsat       3.         7.1.2       B,C and M terminal (64 kbit/s)       1	562.00 117.00 670.00 112.00 337.00 336.00

Station	39,606.00	
Mobile thereof)	3,961.00	
BROA	DCASTING SERVICES	•
Analog		
8.1.1	0.000 up to 100.999 Watt (ERP)	792.00
8.1.2	101.000 up to 999.999 Watt (ERP)	1,585.00
8.1.3	1000 Watt (ERP) and above	2,376.00
Digital	Terrestrial Television Broadcasting Transmitter	
8.2.1	0.000 up to 100.999 Watt (ERP)	8,635.00
8.2.2	101.000 up to 999.999 Watt (ERP)	10,615.00
8.2.3	1000 Watt (ERP) and above	13,228.00
DAB D	igital Radio Broadcasting Transmitter	(12 channels per frequency)
8.3.1	Regional	10,738.00 per transmitter
8.3.2	National Single Frequency Network	10,738.00 per transmitter
DRM30	) Digital Radio Broadcasting Transmitter	(4 channels per frequency)
DRM30 8.4.1	Digital Radio Broadcasting Transmitter 0.000 up to 1000 kW (ERP)	(4 channels per frequency) 9,504.00.00 per transmitter
DRM30 8.4.1 Other b	Digital Radio Broadcasting Transmitter 0.000 up to 1000 kW (ERP) roadcasting services	(4 channels per frequency) 9,504.00.00 per transmitter
DRM30 8.4.1 Other b 8.5.1	<ul> <li>Digital Radio Broadcasting Transmitter</li> <li>0.000 up to 1000 kW (ERP)</li> <li>roadcasting services</li> <li>Special event broadcast spectrum licence maximum 10 Watt (fee per day up to a maximum capped fee equal to 30 days' daily fee. If period thereafter exceeds 30 days, the maximum fee shall then apply)</li> </ul>	(4 channels per frequency) 9,504.00.00 per transmitter 792.00 Maximum fee: 23,764.00
DRM30 8.4.1 Other b 8.5.1 8.5.2	<ul> <li>Digital Radio Broadcasting Transmitter</li> <li>0.000 up to 1000 kW (ERP)</li> <li>roadcasting services</li> <li>Special event broadcast spectrum licence maximum 10 Watt (fee per day up to a maximum capped fee equal to 30 days' daily fee. If period thereafter exceeds 30 days, the maximum fee shall then apply)</li> <li>Outside broadcasting vehicle links (per event irrespective of duration)</li> </ul>	(4 channels per frequency) 9,504.00.00 per transmitter 792.00 Maximum fee: 23,764.00 5,281.00
DRM30 8.4.1 Other b 8.5.1 8.5.2 <b>MISCE</b>	<ul> <li>Digital Radio Broadcasting Transmitter</li> <li>0.000 up to 1000 kW (ERP)</li> <li>roadcasting services</li> <li>Special event broadcast spectrum licence maximum 10 Watt (fee per day up to a maximum capped fee equal to 30 days' daily fee. If period thereafter exceeds 30 days, the maximum fee shall then apply)</li> <li>Outside broadcasting vehicle links (per event irrespective of duration)</li> <li>CLLANEOUS</li> </ul>	(4 channels per frequency) 9,504.00.00 per transmitter 792.00 Maximum fee: 23,764.00 5,281.00
DRM30 8.4.1 Other b 8.5.1 8.5.2 <b>MISCE</b> Nationa	<ul> <li>Digital Radio Broadcasting Transmitter</li> <li>0.000 up to 1000 kW (ERP)</li> <li>roadcasting services</li> <li>Special event broadcast spectrum licence maximum 10 Watt (fee per day up to a maximum capped fee equal to 30 days' daily fee. If period thereafter exceeds 30 days, the maximum fee shall then apply)</li> <li>Outside broadcasting vehicle links (per event irrespective of duration)</li> <li>CLLANEOUS</li> <li>I Security Forces</li> </ul>	(4 channels per frequency) 9,504.00.00 per transmitter 792.00 Maximum fee: 23,764.00 5,281.00 87,133.00
DRM30 8.4.1 Other b 8.5.1 8.5.2 MISCE Nationa Namibia	<ul> <li>Digital Radio Broadcasting Transmitter</li> <li>0.000 up to 1000 kW (ERP)</li> <li>roadcasting services</li> <li>Special event broadcast spectrum licence maximum 10 Watt (fee per day up to a maximum capped fee equal to 30 days' daily fee. If period thereafter exceeds 30 days, the maximum fee shall then apply)</li> <li>Outside broadcasting vehicle links (per event irrespective of duration)</li> <li><b>CLLANEOUS</b></li> <li>I Security Forces</li> <li>a Defence Force</li> </ul>	(4 channels per frequency) 9,504.00.00 per transmitter 792.00 Maximum fee: 23,764.00 5,281.00 87,133.00 87,133.00
DRM30 8.4.1 Other b 8.5.1 8.5.2 MISCE Nationa Namibia	<ul> <li>Digital Radio Broadcasting Transmitter</li> <li>0.000 up to 1000 kW (ERP)</li> <li>roadcasting services</li> <li>Special event broadcast spectrum licence maximum 10</li> <li>Watt (fee per day up to a maximum capped fee equal to 30 days' daily fee. If period thereafter exceeds 30 days, the maximum fee shall then apply)</li> <li>Outside broadcasting vehicle links (per event irrespective of duration)</li> <li>CLLANEOUS</li> <li>Il Security Forces</li> <li>a Defence Force</li> <li>rency certificate (radios above 400 Watt)</li> </ul>	(4 channels per frequency) 9,504.00.00 per transmitter 792.00 Maximum fee: 23,764.00 5,281.00 87,133.00 87,133.00 112.00
DRM30 8.4.1 Other b 8.5.1 8.5.2 MISCE Nationa Namibi Competed Duplica	<ul> <li>Digital Radio Broadcasting Transmitter</li> <li>0.000 up to 1000 kW (ERP)</li> <li>roadcasting services</li> <li>Special event broadcast spectrum licence maximum 10 Watt (fee per day up to a maximum capped fee equal to 30 days' daily fee. If period thereafter exceeds 30 days, the maximum fee shall then apply)</li> <li>Outside broadcasting vehicle links (per event irrespective of duration)</li> <li>CLLANEOUS</li> <li>I Security Forces</li> <li>a Defence Force</li> <li>ency certificate (radios above 400 Watt)</li> <li>te spectrum licences</li> </ul>	(4 channels per frequency) 9,504.00.00 per transmitter 792.00 Maximum fee: 23,764.00 5,281.00 87,133.00 87,133.00 112.00
DRM30 8.4.1 Other b 8.5.1 8.5.2 MISCE Nationa Namibi Compet Duplica Amenda	<ul> <li>Digital Radio Broadcasting Transmitter</li> <li>0.000 up to 1000 kW (ERP)</li> <li>roadcasting services</li> <li>Special event broadcast spectrum licence maximum 10 Watt (fee per day up to a maximum capped fee equal to 30 days' daily fee. If period thereafter exceeds 30 days, the maximum fee shall then apply)</li> <li>Outside broadcasting vehicle links (per event irrespective of duration)</li> <li><b>LLANEOUS</b></li> <li>Il Security Forces</li> <li>a Defence Force</li> <li>ency certificate (radios above 400 Watt)</li> <li>te spectrum licences</li> <li>ment of spectrum licence</li> </ul>	(4 channels per frequency) 9,504.00.00 per transmitter 792.00 Maximum fee: 23,764.00 5,281.00 87,133.00 87,133.00 112.00 112.00 101.00
DRM30 8.4.1 Other b 8.5.1 8.5.2 MISCE Nationa Namibi Compet Duplica Amenda	<ul> <li>Digital Radio Broadcasting Transmitter</li> <li>0.000 up to 1000 kW (ERP)</li> <li>roadcasting services</li> <li>Special event broadcast spectrum licence maximum 10 Watt (fee per day up to a maximum capped fee equal to 30 days' daily fee. If period thereafter exceeds 30 days, the maximum fee shall then apply)</li> <li>Outside broadcasting vehicle links (per event irrespective of duration)</li> <li>CLLANEOUS</li> <li>I Security Forces</li> <li>a Defence Force</li> <li>sency certificate (radios above 400 Watt)</li> <li>te spectrum licences</li> <li>ment of spectrum licence</li> <li>opies per A4 sheet</li> </ul>	(4 channels per frequency) 9,504.00.00 per transmitter 792.00 Maximum fee: 23,764.00 5,281.00 5,281.00 87,133.00 87,133.00 112.00 112.00 101.00 2.00
	Station           Mobile           thereof)           BROAI           Analogi           8.1.1           8.1.2           8.1.3           Digital           8.2.1           8.2.2           8.2.3           DAB D           8.3.1           8.3.2	Notified satellite news gathering station (per month or part thereof)BROADCASTING SERVICESAnalogue FM Radio Broadcasting Transmitter8.1.10.000 up to 100.999 Watt (ERP)8.1.2101.000 up to 999.999 Watt (ERP)8.1.31000 Watt (ERP) and aboveDigital Terrestrial Television Broadcasting Transmitter8.2.10.000 up to 100.999 Watt (ERP)8.2.2101.000 up to 999.999 Watt (ERP)8.2.31000 Watt (ERP) and aboveDAB Digital Radio Broadcasting Transmitter8.3.1Regional8.3.2National Single Frequency Network

If Point to Point to Multipoint is less than N\$500.00, a fee of N\$500.00 will be charged inclusive of studio links for broadcasting.

#### Amendment of Regulation 5 of the Regulations

- **3.** Regulation 5(1) of the Regulations is amended –
- (a) by the substitution for sub-regulation 5(1) (a) of the following sub-regulation:
- "(1) For purposes of this regulation –
- (a) "BV" is an acronym for base value measured in Namibian Dollars per MHz and is currently set at –

- (i) N\$1,100.00 for mobile services;
- (ii) N\$98.00 for fixed services; and
- (iii) N\$550.00 for fixed and mobile satellite services;
- (b) by the substitution for sub-regulation 5(2)(b) of the following sub-regulation:
  - "(b) for fixed and mobile satellite services" annual spectrum fee = BWF x FBF x CF x SHRF x GEOF x BV
- (c) by the substitution for sub-regulation 4, Table 3 of the following Table:

#### TABLE 3

#### FREQUENCY BAND FACTOR (FBF): MOBILE SERVICES (Time Division Duplex and Frequency Division Duplex)

Frequency Range		EDE	
From	То		
450 MHz	470 MHz	0.5	
694 MHz	790 MHz	1.5	
790 MHz	862 MHz	1.5	
862 MHz	960 MHz	1.5	
1427 MHz	1675 MHz	0.75	
1710 MHz	1785 MHz	0.75	
1805 MHz	1880 MHz	0.75	
1920 MHz	1980 MHz	0.75	
2110 MHz	2170 MHz	0.75	
2300 MHz	2400 MHz	1	
2500 MHz	2690 MHz	1	
3300 MHz	3600 MHz	2.25	
24.25 GHz	43.5GHz	0.75	

(d) by the insertion of Table 7 for sub-regulation 4,

#### TABLE 7 FREQUENCY BAND FACTOR (FBF): FIXED AND MOBILE SATELLITE SERVICES

Frequency Range	FBF
All fixed and mobile satellite spectrum bands	0.25

#### **Deletion of regulation 6 of the Regulations**

4. The Regulations is amended by the deletion of Regulation 6.

#### ANNEXURE A

Comments received in terms of the notice of intention to make Regulations prescribing Fees for Spectrum Licences, Certificates and Examinations in Government Gazette No. 8180, General Notice No. 494, dated 21 August 2023.

Operator Comments		Authority Response	
	Paratus Telecommu	inications (Pty) Ltd	
1.	Paratus Telecommunications welcomes the decrease in the base vale for fixed and mobile satellite services from N\$ 5,844 to N\$ 650.	The Authority changed the previous formula to the new formula to allow for geographic use of VSAT spectrum that was not previously possible. This would allow for lower spectrum fees since operators	
2.	Paratus did the calculation based on the new formula and the updated figures and still comes to the conclusion that it is economically	will be able to share spectrum and use spectrum only in rural areas.	
2	unfeasible to provide satellite services in remote areas in Namibia.	It became apparent that the bandwidth factor was erroneously omitted from the draft regulations. This factor will be <b>0.25</b> . Kindly see some calculation	
3.	seeing how the calculations are done by the Authority.	0.25 factor has been considered.	
4.	There are a few drafting errors that need to addressed.	drafting errors.	
	Mobile Telecomm	unications Limited	
1.	MTC notes the amendments to the Spectrum Fees Regulations and welcomes the intention of the amendments	The bandwidth factor was erroneously omitted from the draft regulations. This factor will be <b>0.25</b> . Once the 0.25 factor has been considered, the formula will indeed result in a reduction of the satellite fees. As	
2.	The proposed amendment to the satellite formula results in an increase 40%.	per calculation below: <b>MTC Satellite:</b> Formula for fixed and mobile satellite = BV x FBF x CF x SHRF x GEOF x BW	
3.	MTC refers to the amendment of the Frequency Band Factor (FBF) for spectrum in the 694 MHz to 960 MHz and 3300 MHz to 3600 MHz range from 0.5 to 2.25. This	5 x 0.25 x 30 x 1 x 1 x 550 = 20,625.00 NAD as opposed to the current <b>N\$ 29 220.00</b> .	
	amendment results in an increase of triple the fees, despite the reduction of the base value from N\$ 1 607 to N\$ 1 210.	The fees for the 900MHz spectrum band will increase to ensure that the scarcity and demand for the band is reflected. This is required to ensure efficient use of the spectrum	
4.	MTC acknowledges that the Regulator has relied on the <i>Guidelines for the</i> review of spectrum pricing methodologies and the preparation of spectrum fee schedules as published by the International	and avoid the hoarding of excessive spectrum resources which are limited. The 3300 MHz to 3600Mhz band will be offered on auction and there the FBF will only be utilised to determine the auction input value and the fees from year 2 onward	
	Telecommunications Union (ITU), these guidelines also require the consideration of issues with setting spectrum prices. The	The Authority has done some extensive modelling to determine the lowest impact on telecommunications	
	Regulator has an obligation to consider the <i>fiscal context; relevant principles and</i>	licensees in the mobile bands and other bands.	
	fees; funding regulator operations; demand	MTC, The base fees was further reduced to N\$ 1,100.	
	and supply for spectrum; technological change; type and duration of the spectrum authorization and renewal options.	This would result in a decrease of 18% in mobile spectrum fees and a total overall decrease of 17% in spectrum fees which would reduce the negative impact on MTC's expenses and financials overall.	
5.	In considering these factors it is important to note that "Spectrum fees set too high combined with income taxes, VAT, excise, regulatory fees, and other charges can negatively impact growth opportunities and attractiveness, sector valuations, investment levels, and compliance with authorisations."2 The Regulator's document primarily focuses on the Regulator's administrative/ operational costs, no consideration is visible on the impact the amendment will have on the industry and the end consumer.	The new spectrum bands also allow for more coverage and therefore customers and usage, as well as QoS, will increase. Higher amounts of spectrum and lower spectrum prices are strongly linked to higher population coverage, download speeds and adoption. The Authority is committed to offer more spectrum to licensees to enable increased coverage, speed and adoption but the prices have to reflect the value of the spectrum in question.	

6.	Recent research has found that high spectrum prices can have a causal effect in <b>reducing</b>	
	the coverage and quality of mobile services in both developing and developed markets. This	
	is because spectrum fees raise the average	
	cost of mobile services, reducing long- term returns on investment and weakening	
	incentives to expand and upgrade mobile networks, negatively affecting coverage and	
	network speeds for consumers.	
7.	Across countries in Africa, we find that Morocco and Tunisia have lower spectrum prices for coverage spectrum and relatively higher coverage, and have among the fastest networks on the continent. Meanwhile, Mauritania, Niger and Sao Tome and Principe have some of the highest spectrum prices, and as a result have lower coverage levels and slower download speeds	Morocco and Tunisia cannot be compared to Namibia. Both countries have very mature telecommunications markets compared to Namibia. These two countries also do not have the same jurisdiction and frameworks as Namibia. Fees in Namibia are cost based and other services are not used to cross subsidise spectrum management. There are also no fees received or paid to treasury. This differs from countries in the region and therefore Namibia currently has the lowest fees in the SADC region for mobile services.
8.	The formula based charging is a common industry practice, however, the countries utilizing the formula do not have a frequency	The FBF reflects the characteristics of the Namibian market which also differs from other markets in
	band factor of higher than 1 to 1.5. Some countries have a congestion factor for each frequency band and a separate high demand measurement like Eswatini. Their value demand is depended on the amount of spectrum left in the band. The Regulator should advise how the 2.25 frequency band factor was determined.	terms of maturity, demography, typography, and jurisdiction. The 1.5 refers to the scarcity of the spectrum allocated and therefore, the Authority is of the opinion that a factor of 1.5 reflects the Namibian conditions and market dynamics. The requirement for continuous spectrum blocks from 80 to 100 MHz to support newer technologies affects spectrum scarcity.
9.	It is worth noting that the countries utilizing the formula base approach have a separate formula for mobile/fixed services and satellite services, countries like Eswatini, Nigeria, Botswana, Kenya but to name a few. This is due to the fact that these services differ and so do the management of them.	The formulae utilised addresses the specific conditions in Namibia. Furthermore, the Authority is cognisance of the differences between mobile, fixed and satellite services as is evident in the separate frequency band factors applied to each of these services depending on the characteristics of such services and inclusion of a geographical factor to provide for lower formulae values in cases where rural populations are served.
	Calculations considerin	g omitted factor of 0.25
Form	ula for fixed and mobile satellite = BV x FBF x (	CF x SHRF x GEOF x BW

1. National licence (1000 MHz bandwidth, low and high population density)  $1000 \ge 0.25 \ge 1 \ge 125,000.00$  NAD

- 2. National licence (1000 MHz bandwidth, low population density) 1000 x 0.25 x 0.5 x 1 x 30 x 550 = 2,062,500.00 NAD
- 3. Large geographical area (1000 MHz bandwidth, low and high population density) 1000 x 0.25 x 1 x 1 x 3 x 550 = 412,500.00 NAD

The calculations indicate that licensees can choose from different options most applicable to their different business cases. If a large geographical area is chosen and not national coverage the total spectrum fees for VSAT for 1000MHz bandwidth would only be N\$ 412,500 whereas the current fees for 54 MHz bandwidth N\$ 315, 576 for national coverage. This provides licensees with flexibility in how they apply for and utilise spectrum efficiently.

#### **MTC Satellite:**

1. Formula for fixed and mobile satellite = BV x FBF x CF x SHRF x GEOF x BW 5 x 0.25 x 30 x 1 x 1 x 550 = 20,625.00 NAD

#### ANNEXURE B

#### FINAL POSITION PAPER ON THE AMENDMENT TO THE REGULATIONS SETTING OUT FEES FOR SPECTRUM LICENCES, CERTIFICATES AND EXAMINATIONS

#### **1. INTRODUCTION**

The Communications Regulatory Authority of Namibia (CRAN) was tasked in terms of section 2 (h) of the Communications Act, 2009 (Act No. 8 of 2009) to "stimulate the commercial development and use of the radio frequency spectrum in the best interests of Namibia". Spectrum is a limited resource and therefore the main rationale for charging a price for spectrum, whether through upfront fees or annual charges (or both), is to promote its efficient use.

CRAN reviews spectrum fees every three to five years to ensure certainty and transparency of fees. The purpose of this paper is therefore to explain how CRAN derives spectrum fees and the principles used in doing so. The following principles are taken into consideration when spectrum fees are determined:

- Simplicity in charges to ensure that they are easy understandable, practical and minimise collection cost;
- consider the inflationary impact by means of the CPI since 2020;
- achieve the aims of cost recovery, cost-reflectiveness, efficiency, fairness and cost consciousness; and
- The demand for, and applicant profile involved in the different spectrum licences and spectrum use.

Spectrum management includes activities such as planning spectrum utilisation, allocating and assigning spectrum licences, coordinating shared spectrum use, harmonising regional and global spectrum standards and monitoring and controlling its actual use. High-level economic, technical and social objectives (mainly related to universal access/service) associated with spectrum use have evolved with the spectrum management reform trend prevalent in the past ten years with less focus on the traditional command and control approach and greater emphasis on market-based systems. High-level policy objectives require consistency in regulatory approaches to matters such as access, competition, non-discrimination, user protection, equity and fairness in the manner spectrum is allocated and assigned to users. Today, the largest competitive enabler in the market is spectrum.

The determination of spectrum prices and establishment of spectrum fees are closely linked to economic and market conditions, technical factors such as which technologies and services are being used or deployed, the efficiency and quality of those technologies and services, and how spectrum is assigned to spectrum users.

#### 2. COST RECOVERY

CRAN is mandated in terms of section 99 of the Act with the full scope of activities related to spectrum management. CRAN is self-funded and therefore needs to recover its operational and capital costs in respect of spectrum management based on the following aspects:

- Capital costs related to spectrum monitoring equipment.
- Operational and maintenance costs related to spectrum monitoring and enforcement of spectrum licence conditions.
- Administrative expenses such as staffing, training and development costs, costs in respect of adhering to regulatory processes and legislation, office rental, planning and implementation of spectrum allocations and assignments in adherence to ITU regulations, licensing and investigations.

CRAN started with a process to allocate the different costs to the various revenue streams utilised by CRAN to cover its costs. The previous review of spectrum fees was done in 2020.

#### 3. INTERNATIONAL BEST PRACTICE AND TRENDS IN CHARGING SPECTRUM FEES

Spectrum management is the combination of administrative and technical procedures necessary to ensure the efficient utilisation of the radio-frequency spectrum by all radio-communication services. The telecommunication sector, including radio-communications, is organised internationally within the framework of the International Telecommunication Union (ITU), which provides the basic framework for the global coordination and management of the radio-frequency spectrum.

National spectrum management principles should reflect economic and behavioural aspects as follows:

- Spectrum should be allocated to the highest value use or uses to ensure maximum benefits to society are realised.
- Mechanisms should be put in place to enable and encourage spectrum to move to its highest value use.
- Greater access to spectrum will be facilitated when the least cost and least restrictive approach is chosen in achieving spectrum management goals and objectives.
- To the extent possible, regulators and spectrum managers need to promote both regulatory certainty and flexibility in how spectrum is used.
- Balance should be achieved between the cost of interference and the benefits obtainable from greater spectrum utilisation.
- Fairness and objectivity require that fees are based on objective factors and all licence holders in each frequency band should be treated on an equitable basis. This would preclude, for example, different treatment of different users in each frequency band.
- Transparency requires that the basis on which fees are calculated should be made clear in a published document resulting from consultation with stakeholders and that all fees should be set based on a published schedule.
- Administrative costs will be lower if the fee schedule is simple to administer. The simplest fee schedule would be one involving a flat fee payment; however, this may not promote efficient spectrum use.
- Administrative simplicity needs to be balanced against the requirement to encourage efficiency of spectrum use if fees are set taking account of parameters such as bandwidth, frequency band or coverage.

Some additional principles such as the following could also be considered:

- Spectrum fees should be reviewed at suitable intervals to cater for changes in economic KPIs (key performance indicators) or advancement in technologies resulting in increased demand of a particular band.
- Mechanisms should be in place to avoid, detect and where necessary prevent spectrum hoarding, which will deter competition.
- A balance should be established between financial approach and other key facets such as regulatory (competition), and social (universal service).

CRAN uses a number of these to allocate spectrum including but not limited to the following:

- Administrative fees;
- Formulae based fees to promote the efficient use of spectrum; and
- Spectrum Auctions

#### 4. COST CALCULATIONS

CRAN determines the administrative fees for spectrum every 3 to 5 years as previously mentioned. In order to determine the fees, the cost of managing spectrum was taken into consideration for the three years 2021/2022 to 2023/2024. The total budgeted cost was estimated as follows:

Table 1: Projected Budget as per 2020 Spectrum Fee Determination						
BUDGET	2021/2022	2022/2023	2023/2024	Total		
Total Capex allocated to Spectrum Management	9,850,000	10,000,000	10,150,000	30,000,000		
Total Opex allocated to Spectrum Management	18,681,362.08	20,701,895	23,014,011	62,397,268.08		
Total Projected Cost for Spectrum	28,531,362.08	30,701,894.99	33,164,010.68	92,397,267.75		
Total Budget for Spectrum as Approved	14,933,288	27,426,875	30,349,190	72,709,353		
OPEX	13,193,627	11,916,915	17,868,636	42,979,178		
CAPEX	1,739,661	15,509,960	12,480,554	29,730,175		

The total budgeted cost for spectrum management over the three years was therefore N\$ **92,397,267.76**. According to the Audited Financial Statements and provisional financial statements of CRAN the following was budgeted and spent on the management of spectrum.

Table 2: Actual Expenditure and Revenue on Spectrum 2021/2022 to 2022/2023						
	2021/2022	2022/2023	Total			
Total Costs	19,363,370	27,050,861	46,414,231			
OPEX	13,374,999	15,594,629	28,969,628			
CAPEX	5,988,371	11,456,232	17,444,603			
Revenue Received	31,721,847	21,496,979	53,218,826			
Revenue Budgetted	26,243,421	27,293,158	53,536,579			
Over/Under recovery on revenue	5,478,426	(5,796,179)	(317,753)			
<b>Over/Under-recovery</b>	12,358,477	(5,553,882)	6,486,842			
AFS 2021/2022 and provisional AFS 2022/2023						

The over-recovery in 2021/2022 was due to the litigation on the regulatory levy resulting in CRAN not spending the full capital amount as was anticipated to ensure business continuity. The budget, as was approved, was therefore also substantially less. This means that the N\$ 6.5 million over-recoveries would have to be subtracted from the next periods' projected budget. At the same time the revenue received was projected N\$ 53,536,579 The actual revenue received was N\$ 53,218,826. There was thus an under-recovery of N\$ 317,753 bringing the total over-recovery to **N\$ 6,486,842**.

Table 3: Budgeted Revenue Requirement 2023/2024 to 2026/2027						
	2023/2024	2024/2025	2025/2026	Total		
Total Costs	30,349,190	42,163,634	33,518,756	106,031,580		
OPEX	17,868,636	14,850,242	11,382,809	44,101,687		
CAPEX	12,480,554	27,313,392	22,135,947	61,929,893		
<b>Over/Under-recovery</b>				(6,486,842)		
Total Budgeted Revenue Requirement				99,544,738		

The projected revenue requirement for the next three years is therefore N\$ 99,544,738. To determine the base values, the revenue received from spectrum auctions and the revenue that would be received

from fixed spectrum must be subtracted for the budgeting period in order to determine the base values. The total revenue requirement therefore is N 81,462,509 for the three-year period up to 2025/2026.

This therefore results in the following:

- 1. Fixed spectrum fees will be increased by 2.5% inflationary increase;
- 2. Mobile spectrum (2G, 3G and IMT) will have a new base value of N\$ 1,100.00
- 3. Point-to-Point will have a new base value of N\$ 98.00
- 4. VSAT will have a new base value of N\$ 550.00. the formulae for VSAT will change to

Cost of spectrum management

#### BWx FBFx CFx SRHFx GEO x TF

This will reduce spectrum fees for VSAT significantly and allow VSAT to be utilised in rural areas for backhaul connectivity and therefore faster broadband services to unserved and under-served communities.

Table 4: Budget for 2023/2024 to 2026/2027						
	2023/2024	2024/2025	2025/2026	Total		
Total Costs	30,349,190	42,163,634	33,518,756	106,031,580		
OPEX	17,868,636	14,850,242	11,382,809	44,101,687		
CAPEX	12,480,554	27,313,392	22,135,947	61,929,893		
<b>Over/Under-recoveries</b>				(6,486,842)		
Spectrum auction and fixed fees	5,937,436.03	5,937,436.03	5,937,436.03	17,812,308		
				81,732,430		
Total projected Revenue	27,166,755	27,166,755	27,166,755	81,500,265		
Total Budgeted Revenue Requirement				232,165		

Over the three-year period there will be an over-recovery of N\$ 232,165 which will then be subtracted from the revenue requirement during the next spectrum fee determination.

**Note:** The final position of this paper has duly considered all written input made to the notice of intention to amend the regulations as published in Government Gazette No. 8180, General Notice No. 494 dated 21 August 2023, and oral submissions made at the oral hearings held on 20 September 2023 and 3 October 2023, respectively.

#### REFERENCES

https://www.itu.int/en/ITU-D/Spectrum-Broadcasting/Documents/Publications/Guidelines\_SpectrumFees\_Final\_E.pdf