



## Public Utilities Commission

**Note for the guidance of Applicants for a Spectrum Authorization under the (Licensing Classification, Authorization and Fee Structure) Regulations, 2002 as amended from time to time.**

1. Unless the Commission states otherwise, two **copies (one clearly marked CONFIDENTIAL INFORMATION which will be for PUC use only and one excluding confidential information for public scrutiny)** of the completed application form should be provided in addition to a completed soft copy submission to [telecom@puc.bz](mailto:telecom@puc.bz). The application forms should be submitted in an envelope clearly marked “Application for Spectrum Authorization” addressed to:

The Public Utilities Commission  
2<sup>nd</sup> Floor, Marina Towers  
P.O. Box 300  
Belize City, Belize  
Central America

2. If any question is considered not applicable, please mark ‘N/A’ with further explanation if necessary.
3. The application fee for the Licence, and where appropriate, for the necessary Spectrum Authorization, must accompany an application in the form of a cheque made payable to the Public Utilities Commission in accordance with the Telecommunication (Licensing Classification, Authorization and Fee Structure) Regulations 2002 as amended from time to time.
4. Please note that the applicant is required to publish a notice of this application within 14 days after the making of the application in accordance with the Telecommunication (Licensing Classification, Authorization and Fee Structure) Regulation 2002 as amended from time to time.
5. Failure to comply with any of these requirements may render the application liable to disqualification without refund of the application fee(s).

**APPLICATION FOR SPECTRUM AUTHORIZATION**

**1. PART I – THE APPLICANT**

(Please complete fully in type or block letters)

**1.1 Contact Details**

1.1.1 Name and business address of applicant

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1.1.2 Designated contact person \_\_\_\_\_

1.1.3 Telephone Number \_\_\_\_\_

1.1.4 Fax Number \_\_\_\_\_

1.1.5 E-mail address (if available) \_\_\_\_\_

**1.2 Business Details**

1.2.1 If the applicant is a company, partnership, or other body please give the name(s) and private address (es) of each of the current directors, company secretary, or partners:

| <b>Name</b> | <b>Address</b> |
|-------------|----------------|
|-------------|----------------|

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| _____ | _____ |
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1.2.2 Name under which applicant proposes to trade, and registered office address if different to above:

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1.2.3 In the case of a company or other body corporate, please attach a copy of the company's Registration Certificate.

1.2.4 Address in Belize for service of process or other notices (in case of overseas applicant)

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**1.3 History of the Applicant**

1.3.1 Has the applicant ever applied for a Frequency Authorization or registration under any Act in Belize and been refused?

(YES) (NO)

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1.3.2 Has the applicant ever been issued a Frequency Authorization under the Telecommunications Act 2002?

(YES) (NO)

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1.3.3 If the answer to question 1.3.2 is YES, has any such Frequency Authorization been revoked?

(YES) (NO)

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1.3.4 Has any Affiliate of the applicant previously been granted a Frequency Authorization under the Telecommunications Act 2002, which was revoked?

(YES) (NO)

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1.3.5 Is the applicant the holder of a frequency authorization in any other country? If yes, please specify the country.

(YES) (NO)

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1.3.6 Has the applicant or any Affiliate been refused a frequency authorization mentioned in question 1.3.5 above, or had a frequency authorization revoked?

(YES) (NO)

1.3.7 Has the applicant operated under or carried on business under any name other than in this application? (If Yes please attached company details)

(YES) (NO)

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2. **PART II – THE APPLICANT’S BUSINESS AND THE PROPOSED NETWORK AND/OR SERVICE(S)**

2.1 **The Applicant**

2.1.1 Please provide a diagrammatic representation of the applicant’s group structure, including the percentage of shares held. Please indicate which affiliates have, or intend to apply for, other telecommunications licenses or frequency authorizations.

2.1.2 Does the applicant have any shareholdings in any other licensed telecommunications provider or frequency authorization holder in the Belize or elsewhere?

(YES) (NO)

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2.1.3 Has any member of the applicant’s managerial staff been bankrupt, or been a director of a company which has been insolvent?

(YES) (NO)

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If the answer is YES, please attach a certified copy of the discharge.

2.1.4 Has the applicant or any member of the applicant’s managerial staff ever been the defendant or respondent in any proceedings in any court in any jurisdiction involving dishonesty, fraud, theft or violence, or is the applicant or any member of the applicant’s managerial staff currently the

subject of a charge or indictment under the law of any country for (contravention of any law or for) any conduct involving dishonesty, fraud, theft or violence?

(YES)

(NO)

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## 2.2 **Applicant's Current Activities**

Please provide answers to the following questions in relation to (a) the applicant's activities in Belize; (b) the applicant's activities elsewhere in the Caribbean; and (c) the applicant's activities elsewhere in the world.

### *Networks*

- 2.2.1 Please provide a summary of any radio-based infrastructure, which the applicant currently has in place.
- 2.2.2 If the applicant is using radio frequency spectrum, please provide details of any frequency authorizations held, including the number of frequency authorizations and the reference number of each frequency authorization.

### *Services*

- 2.2.3 Please provide details of the services currently being provided by the applicant through its existing radio-based infrastructure.

### *Obligations*

- 2.2.4 Please provide details of how the applicant currently complies with any other emissions of electromagnetic radiation from equipment of any description.

## 2.3 Applicant's Proposed Activities

### Radiocommunication Station

2.3.1 Is the frequency authorization for which the applicant is applying to be used in relation to a satellite earth station?

(YES)

(NO)

2.3.2 If the answer to question 2.3.1 is YES, please provide the following information:

- (a) A letter from the satellite provider, indicating its contact person and any assigned frequencies for the proposed service and the station to be communicated with.
- (b) A copy of the manufacturer's technical specification for the transmitter, receiver and antenna.
- (c) The following information in respect of the satellite earth station receiving characteristics:
  - (i) Make and model
  - (ii) Assigned frequencies (downlink)
  - (iii) Assigned frequency band
  - (iv) Date of bringing into use
  - (v) Location of station, including country and geographic coordinates
  - (vi) Class of emission
  - (vii) Antenna size, antenna gain and receive G/T
  - (viii) Horizontal elevation angle and min/max elevation angle
  - (ix) Azimuth
  - (x) Altitude
  - (xi) Polarization
  - (xii) Receive noise temperature
  - (xiii) Regular hours of operation

- (xiv) Maintenance of system
- (d) The following information in respect of the satellite earth station transmitting characteristics:
  - (i) Make and model
  - (ii) Assigned frequencies (uplink)
  - (iii) Assigned frequency band
  - (iv) Proposed date of bringing into use
  - (v) Transmitter power, including saturated transmitter power and maximum radiated power
  - (vi) Antenna gain
  - (vii) Polarization
  - (viii) Modulation (including FDM-FM, PCM/PSK, TV, and other)
  - (ix) Regular hours of operation
  - (x) Agreements with satellite provider
  - (xi) Operating satellite
  - (xii) Name of receiving earth station
  - (xiii) Location of receiving earth station.

2.3.3 Please provide a summary of the radio-based infrastructure that the applicant is planning to put in place within the next (three) years. In particular, please provide details of the proposed Radiocommunication Station, including:

**Purpose of application (what is being applied for)?**

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- (a) Geographical location (GPS Coordinates), & Coverage Map
- (b) Type of equipment and system (including manufacturer, model number, FCC Certificate & Current/Valid Type Approval).

*Brand and Model of radio unit.*

***Note: Applicant must include, in soft copy, the vendor provided technical description documentation of the equipment and system.***

- (c) Radio frequency and direction of frequency (whether link applied for is uni-directional or bi-directional, and relevant transmission details?)

***Note: Request for Point-to-Point authorizations must conform to the 2020 Order: Belize Radio Frequency Channelization for Point-to-Point links. <https://www.puc.bz/2020-belize-radio-frequency-channelization-for-point-to-point-links/>***

***Applicant is required to identify the Lower and Upper edge frequencies applicable to requested range, transmitter location name and coordinates.***

- (d) Transmission power level
- (e) Preferred polarization of emissions (i.e. vertical, horizontal, co-channel dual polar)
- (f) Preferred equipment carrier frequency range for channel assignment

*Equipment tuning range: lower frequency to upper frequency*

- (g) Is system intended to be duplicated? (If Yes, please Specify)
- (g) Type of antenna, including details of antenna height

***Note: Applicant must include, in soft copy, the vendor provided technical specifications for the proposed antenna(s)***

- (i) Station ID (if applicable)
- (j) Address of location from where equipment is to be operated (if different from Radiocommunication Station's location).
- (k) Radio frequency feeder loss and hot-standby loss, rounded up to nearest dB. Any radio frequency feeder loss over 10 dB or hot-standby loss over 4 dB must be justified.
- (l) Guaranteed maximum boresight gain relative to an isotropic radiator for any antenna specified rounded up to nearest dB.
- (m) Path profile for the proposed point-to-point link(s).
- (n) Throughput capacity for the proposed link(s).



2.3.4 Please provide a description of the service, which the applicant proposes to provide using the frequency band for which it is applying. (Including an Architectural Diagram).

**Obligations**

2.3.5 Please provide details of how the applicant proposes to comply with the obligations in the frequency authorization (and in the Frequency Authorization Regulations) in respect of harmful interference, and any other technical regulations in respect of emissions of electromagnetic radiation from equipment of any description.

**PART III**

**DECLARATION BY THE APPLICANT**

Application is hereby made on behalf of \_\_\_\_\_  
(Name of individual or company) for the issue of an Authorization to install, hold and use wireless sending and receiving apparatus – as detailed above – for the purposes stated.

In accordance with the Belize Telecommunications Act, 2002 and any other Regulations thereunder, I accept responsibility for the installation, maintenance and operation of the system if approved.

I confirm that no change will be made in any of the foregoing without prior approval of The Public Utilities Commission.

**Signature of applicant:** \_\_\_\_\_

**Name in Block Letters:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**THE APPLICANT/LICENSEE SHOULD BE AWARE THAT HE/SHE IS RESPONSIBLE IN LAW FOR THE RADIO SYSTEM AND ITS OPERATION REGARDLESS OF WHO SUPPLIES THE EQUIPMNENT OR WHO OPERATES IT ON HIS/HER BEHALF**

**The completed Application Form and the appropriate fee should be submitted to: Office of the Chairman of Public Utilities Commission, P. O. Box 300, Belize City, Belize**