



Telecommunication Act – 2001
(Act 2001-36)

FORM 9

TU009

**APPLICATION FOR SATELLITE COMMUNICATION
STATION LICENCE**

PART A: APPLICANT INFORMATION

(Please read the Notes provided at the back of this Form before completion)

1. Name *(if individual)*:.....

2. Nationality *(if individual)*:.....

3. Address of Applicant *(registered office or principal place of business)*:
.....
.....

4. Mailing Address *(if different from registered office address)*:
.....
.....

5. Applicant is a (n):
Individual Corporation Unincorporate Association Partnership
Please indicate whether this is: a new application an application to modify an existing licence
an application to renew a licence

6. Telephone No.:..... 7. Facsimile No.:

8. "E-mail" address:.....

9. Name of Manager of entity:.....

10. Person in Barbados to be contacted in absence of Manager: Name:..... Address:..... Telephone No:..... "E-mail" Address:.....	
11. Facsimile No:.....	
12. Mobile No.:.....	
13. Indicate (a) the approximate number of persons currently or to be employed by applicant: (b) the number of persons you expect to hire within the next year specific to the proposed network: (c) the number of technical persons who are providing the mobile service and the full complement of technical staff to be employed:	
14. Cellphone or Pager No.	
15. Is Application submitted with cheque?	Yes <input type="checkbox"/> No <input type="checkbox"/>
PART B: TECHNICAL INFORMATION	
16. System Description	
Proposed Use of System	
17. Class of Licence (Please tick one)	<input type="checkbox"/> Very Small Aperture Terminal (VSAT) Station <input type="checkbox"/> Tracking, Telemetry and Command (TT&C) Earth Station <input type="checkbox"/> Earth Station <input type="checkbox"/> Portable Satellite Communication Terminal
18. Station Information	

Station Name		
Date of Bringing into Use DD/MM/YYYY		
Location		
Address		
Is the station transportable	Yes <input type="checkbox"/> No <input type="checkbox"/> If Yes, state Radius of Operation (km)	
Latitude in Degrees-Minutes-Seconds Seconds (N/S)(e.g. 120-45-30 N)		
Longitude in Degrees-Minutes-Seconds Seconds (E/W)(e.g. 120-45-30 E)		
Antenna Displacement From Station Location	North Latitude Displacement	m
	East Longitude	m
Site Elevation (metres) (above mean sea level)	m	
Building Heights (metres)	m	
Antenna Structure Height (metres) (above ground level)	m	
Lowest Equivalent Satellite Link Noise Temp (°K)		
Receiver Noise Temp (°K)	Front End	
	Antenna	
	Lowest Total System	
Class of Station		

19. Station Information		
Nature of Service		
G/T(dB/K)		
Data Interface		
Encryption/Scrambling Standard		
Modulation Scheme	<input type="checkbox"/> Digital	<input type="checkbox"/> Analogue
20. Associated Space Station		
Associated Space Station		
Nominal Orbital (For Geo Stationary only) Longitude in Degrees-Hours-Minutes-E/W (e.g. 120-45-30W)		
Name of Satellite Operator		
Associated Satellite Receiving Beam Designation		
Associated Satellite Transmitting Beam Designation		
21. Frequency Information		
Usage Period	Start Time	
	Stop Time	
	Transmit	Receive
Desired Freq (MHz)	From	From
	To	To

Assigned Frequencies (MHz)	a.	a.
	b.	b.
	c.	c.
Corresponding Bandwidth of Assigned Frequency (KHz)	a.	a.
	b.	b.
	c.	c.
Feeder Line Type		
Feeder Line Length (metres)		
Feed Line Loss (dB)		
Emission		
Total Peak Power (+/-dBW)		
Maximum Spectral Power Density (+/-dBW)		
Polarization (Linear, Circular, etc.)		
(Digital Only) Baseband Symbol Rate (Kb/s)		
22. Frequency Information		
(Digital Only) Baseband Bit-Error Rate (10E-35) MB/s		
(Analogue Only) Number of Voice Channel		
(Analogue Only) Baseband Noise/Power Ratio (dB)		
(Analogue Only) Baseband Frequency Range (kHz)		

IF Frequency		
23. Radio Equipment Information		
Station Name		
	Transmit	Recieve
Manufacturer		
Trade Name		
Model		
Serial No.		
Frequency Range (MHz)		
Maximum Frequency-		
Separation	If 3 dB Bandwidth (kHz)	If 3dB Bandwidth (kHz)
	Necessary Bandwidth	Necessary Bandwidth
	Transmitter Rate Power (watts)	Minimum Acceptable Rz Signed Level (dBW)
	Transmit	Receive
Frequency Stability		
Spurious Emission		
Antenna Information		
Antenna Diameter (m)		
Manufacturer		
Model		

Antenna		
	Transmit	Receive
Frequency Range (MHz)		
Midband Gain (dB)		
3dB Beamwidth (°)		
	Elevation	Azimuth
Adjust Range (°)		
Operating Angle		
	Operational	Survival
Wind Loading (KM/hour)		
Radiation Pattern		
Transmit/Receive RF Filter Information		
Manufacturer		
Model		
RF Filter Type (e.g. band Pass/reject)		
Insertion Loss (dB)		
Isolation A		
Isolation B		

Transmit/Receive RF Filter Information	
Frequency Range (MHz)	
Transmit	
Receive	
Minimum Separation (MHz)	
Tuned Frequency (MHz)	

Identify Reference of the following Functional Units Installed		
	Transmit	Receive
	Transmitter	Receiver
	Upconverter	Downconverter
	Modulator	Demodulator
Monitor & Control		
(Analogue Only) Baseband (Audio/Video)		
(Digital Only) Data Interface		
Power Supply		
Others (to be specified)		

24. Technical Document (One set is to be submitted)

Please check (x) if you are including the undermentioned documents

- Earth Station system Block Diagram and Description
- General Description of the Functional Units
- An equipment Rack Diagram with Panel Layout showing functional units, Transmitter, receiver, unconverter/downconverter, modulator/demodulator, monitor & control, baseband (audio/video)/data interface, power supply and others (please specify)

25. Technical Data & Specification of the following Functional Units (title to be specified)

a. Transmitter

b. Receiver

c. RF Filter

d. Antenna

e. Baseband
(Audio/Video) Data Interface

Please check (x) if you are including the undermentioned documents

- Horizontal Elevation of Earth Station
- Antenna Radiation Diagram (Copolar & Crosspolar)
- Transmit/Receive RF Filter Attenuation Diagram

PART C: DOCUMENTATARY INFORMATION

The applicant must provide the following documents:-

- (a) Copy of the certificate of incorporation or business registration certificate.
- (b) Most recent annual audited financial report.
- (c) Documentary evidence to demonstrate the financial capability of the company for the first two years of operation.
- (d) Performance Bond or Bank Guarantee for payment of licence fees for the first two years of the licence.

IMPORTANT INFORMATION

1. Guidelines in respect of the application are attached to this form.
2. All blanks in this application form **MUST** be completed. Please read the “Guidelines and Instructions” before completing the application form.
3. An applicant shall obtain such permits, licence or other authorisation from other public offices or authorisation from other public offices or authorities as may be necessary for or in connection with the lawful installation or working of the Earth Station.
4. An applicant shall also attach or mail a certified true copy of the Registration Certificates from the Corporate Affairs and Intellectual Property Office (CAIPO) in Barbados.
5. Annual fees are as indicated in the *Telecommunications (Licence Fees) Regulations, 2003*.
6. Payment of licence fees can be made by cheque.
7. Where supporting documents are required, applicant is required to send the documents by mail to the above address.
8. Transmit (uplink) using VSATs is only allowed after August 1, 2003.

APPLICATION GUIDELINES FOR SATELLITE COMMUNICATION STATION LICENCE

Introduction

A Satellite Communication Station Licence may be granted to the following classes of stations to enable the licensee to transmit, receive or transmit messages by means of satellite communication:

- (a) Very Small Aperture Terminals (VSAT)
- (b) Tracking, Telemetry and Command (TT&C) Earth Stations
- (c) Earth Stations, and
- (d) Portable Satellite Communication Terminals

Requirements

1. A Licensee must seek the approval of the Ministry responsible for Telecommunications for access to any space segment and shall comply with the relevant rules, regulations and procedures imposed by the satellite operator for station access, booking and fees.

2. A Licensee may only use or work within the radio frequencies or radio frequency bands approved by the Ministry for the use of the licensee.

3. A Licensee must not without the written approval of the Ministry, use any satellite communication equipment in respect of which the Satellite Communication Station Licence has been issued to provide telecommunication services to the public.

For terms and conditions of the Licence, please see below.

Application procedures

Applicant should use the prescribed form “Application for Satellite Communication Station Licence” and submit it to the Ministry by mail for processing at the following address:

“The Telecommunications Unit”
 Ministry responsible for Telecommunications
 Barbados

The relevant fees payable as licence fees, frequency fees or application fees are those set out in the *Telecommunications (Licence Fees) Regulations, 2003*.

Equipment

All radio equipment used must be individually approved the Ministry.

Contact Person:
 Chief Telecommunications Officer
 Telephone: 430-2200
 Email: Chelston_Bourne@barbadosbusiness.gov.bb

Licence Conditions

1. This Licence is issued in accordance with and subject to the *Telecommunications Act and Regulations* and shall remain valid for the duration of the Licence, unless cancelled by the Ministry in accordance with section 19 of the *Telecommunications Act, 2001- 36*.

2. The Licensee hereby confirms that the information including any furnished documents and supplied for the purposes of applying for this Licence is true and accurate.

3. The Licensee and all the persons operating the Stations which the Licensee is authorised by the Licence to establish, install and operate shall observe and comply with the Act, and the conditions of this Licence.

4. The Licensee shall not permit or cause any authorised person to operate the Stations or have access to the Stations and equipment installed therein. The Licensee shall ensure that persons authorised to operate the Stations observe the conditions of this Licence at all times.

5. The Stations shall be used only with the emissions at the frequency of the class and power respectively specified in this Licence.

6. The Licensee shall ensure that the equipment used in the operation of the Stations comply at all times with all applicable emission standards and technical specifications or requirements specified by the Ministry.

7. The Licensee shall maintain up-to-date records of the list of the Stations, including the installation location of the Stations, name of equipment manufacturer, model, serial number of the equipment, frequency, output power, date of purchase and date of disposal of the equipment. This list shall be made available for inspection by the Ministry at all reasonable times at the request of a duly authorised officer of the Ministry.

8. The Licensee shall permit or ensure that permission is granted to an authorised person of the Ministry upon production of proof of identity, to enter any building, premises, compound or other place, vehicle, vessel or aircraft where the Stations are installed or are being installed, to enable the authorised person to inspect, examine or test any equipment installed in the Stations.

9. The equipment installed in the Stations shall be designed, constructed, maintained or used in such a manner as to ensure that the Stations and Network, comply with the Act and do not cause interference to any other licensed or authorised stations or networks or telecommunication installation equipment which may be lawfully owned, used or operated by any other person. The Licensee shall permit an authorised officer of the Ministry to inspect the equipment installed in Stations on order to determine whether the interference is in fact being caused by the equipment.

10. The Minister may suspend, revoke, modify or refuse or renew a licence in accordance with section 62 of the *Telecommunications Act 2001-36*.

11. Unless authorised in writing by the Ministry, a connection of any equipment installed in the Stations and Network to the Public Switched Telecommunications Network (PSTN) is not permitted.

12. The Licensee shall notify the Ministry of any intended change of address of the licensee or any proposed change in any of the equipment installed in the Stations or any proposed change in the operating radio frequency, the mode of transmission or usage, the location at which the Stations are

installed, and before such change is affected, the Licensee shall obtain the prior written approval of the Ministry.

13. The Licensee and persons authorised by the Licensee to operate the Stations shall ensure that the Stations and the equipment installed in the Stations are not used for unlawful purposes or misused in anyway.

14. The Licensee shall ensure that the Stations and Network, including the equipment installed in the Stations and Network, the operating radio frequency and the location at which the Stations are installed are not tampered with or modified in any manner unless written approval of the Ministry has been obtained. As and when directed by the Ministry, the Licensee shall, at its own cost, conduct inspections on the equipment in order to satisfy the Ministry that the equipment has not been tampered with or modified.

15. The Stations and this Licence shall be available for inspection at all reasonable times by any duly authorised officer of the Ministry.

16. When the Licensee cease to operate the Stations or where the Licence ceases to be valid, the Licensee shall return the licence to the Ministry for cancellation and the Ministry may require the Licensee to seal, disable or dismantle the equipment installed in the Stations in the presence of any authorised officer of the Ministry.

17. Any radio-communication equipment in the possession of the licensee must be in accordance with a licence granted under section 60 of the *Telecommunications Act 2001-36*.

18. The Licence Application Fee shall be paid in advance and shall not be refundable.

19. This Licence is not transferable except with the prior written approval of the Ministry and in accordance with the *Telecommunications Act and Regulations*.

20. The Licensee shall comply with any directions or notifications issued by the Ministry.

21. Before erecting any Satellite Antennae, persons should apply to the Chief Town Planner for a copy of the "Guidelines for Satellite Dish Antenna." The conditions set out in these Guidelines should be followed.