

Telecommunications Authority of
Trinidad and Tobago
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Barataria



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TECHNICAL SPECIFICATIONS POINT-TO-POINT RADIOCOMMUNICATIONS SYSTEM FORM TS-PP

Instructions:

1. Please review the [Technical Specifications for a Point-to-Point Radiocommunications System \(Form TS-PP\) Instructions, Guidelines and Explanatory Notes](#) prior to completing this application form.
2. Please submit shall only be valid if submitted with a completed Radiocommunications Licence Application (L1) Form.
3. Please submit a single TS-PP Form for multiple point-to point link(s) within the same frequency band (e.g., 5 GHz band, lower 6 GHz band and 15 GHz band). A separate TS-PP Form will be required for point-to-point link(s) in different frequency bands.
4. Multiple TS-PP Forms may be submitted with one L1 Form for the same applicant.

A. APPLICANT INFORMATION

A1. Applicant's Name:

B. NETWORK DESIGN

B1	Please explain, in an attached letter, how the radio-transmitting equipment or radiocommunications service proposed in the application will be used, as it relates to its business activities.
B2	Please submit copies of the manufacturer's technical specifications for radio and antenna.
B3	Please submit a link budget and path profile for each point-to-point link.
B4	Please submit a topographical map(s)/diagram(s) illustrating the design and location/s of the station/s and link/s.

C. STATION DETAILS

Note: A new section C must be submitted for each point-to-point link to be licensed in this radiocommunications system.

C1. Transmitter

Transmitter Details	Station 1	Station 2
Make		
Model		
Frequency range of operation of radio (MHz)	Lower limit: Upper limit:	Lower limit: Upper limit:
Number of channels requested		
Preferred transmit frequency (MHz) [optional]		
Channel bandwidth (MHz)		
RF output power (dBm)		
ITU class of emission designator		
Modulation type		
Link capacity (Mbits/sec)		
Bit error rate		

IF frequencies (kHz)		
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C2. Receiver

Receiver Details	Station 1	Station 2
Co-channel selectivity (dB)		
First adjacent channel selectivity (dB)		
Receiver sensitivity (dBm)		
Frequency stability (%)		

C3. Antenna

Antenna Details	Station 1	Station 2
Make		
Model		
Frequency range of operation of radio (MHz)	Lower limit: Upper limit:	Lower limit: Upper limit:
Antenna type		
Antenna gain (dB)		
Beamwidth – vertical (degrees)		
Beamwidth – horizontal (degrees)		
Polarisation		
Antenna azimuth (degrees)		
Antenna elevation angle (degrees)		
Antenna height above ground (m)		
Total transmission lines loss (dB)		

C4. Station Location

Details	Station 1	Station 2
Station name		
Station elevation above mean sea level (m)		
Geographic coordinates (degrees, minutes, seconds) WGS-84 datum		
Physical address of station (location, street, town/city)		

D. TECHNICAL RESPONSIBILITY

D1. Please check boxes below if the applicant is technically responsible for the radiocommunications system:

Design and Implementation **Maintenance**

If neither box is checked, please provide a letter from the contractor accepting technical responsibility for either the design and implementation and/or maintenance of the applicant's radiocommunications equipment; include the qualifications and experience of the technical person; and then proceed to subsection D2.

D2. Contractor Details

Organisation Name (if applicable): _____

Name of Technical Person:

Title First Name Middle Name (optional) Last Name

Contact Number: Mobile: _____

Fixed Line: _____

Email Address: _____

E. SUBMISSION CHECKLIST

Please ensure that all relevant documents for the following have been submitted:

Item Section	Description	Document Submitted	Not Applicable
B1	Description of the use of the radiocommunications system	<input type="checkbox"/>	<input type="checkbox"/>
B2	Copies of the manufacturer's technical specifications for radio and antenna.	<input type="checkbox"/>	<input type="checkbox"/>
B3	Link budget and path profile to support station operating parameters	<input type="checkbox"/>	<input type="checkbox"/>
B4	Topographical map/diagram (optional) illustrating the design and locations(s) of point-to-point link(s)	<input type="checkbox"/>	<input type="checkbox"/>
D	A letter from the contractor accepting responsibility for the radiocommunications system	<input type="checkbox"/>	<input type="checkbox"/>

F. DECLARATION AND SIGNATURE

I, the undersigned, do hereby declare on my own behalf and on behalf of the applicant that the information provided in this application is true and correct to the best of my knowledge, information and belief. I acknowledge and agree that submitting an application to the Telecommunications Authority of Trinidad and Tobago does not mean that a licence will be granted, and that consideration of this application is a matter for the exercise of the Authority's discretion acting in accordance with the Telecommunications Act, Chap. 47:31. If the licence is granted, I am fully aware of all the obligations and conditions associated with the licence. I understand that in processing this application, the Authority may undertake such investigations as it considers appropriate to verify the information submitted and/or to assess the background or suitability of any person involved or to be involved in any permission or authorisation hereby applied for, and I hereby expressly consent, for myself and on behalf of the applicant and all such persons, to the carrying out by the Authority of such investigations. I confirm that I am duly authorised by all the relevant persons to make this declaration.

F1. Signature of individual applicant or person authorised on behalf of organisation:

Signature: _____

Date: _____

For TATT official use only

Name of Officer: _____

Signature: _____

Date: _____