



TECHNICAL SPECIFICATIONS POINT TO POINT RADIOCOMMUNICATIONS SYSTEMS

Form TS-PP

Instructions:

1. This form shall only be valid if submitted together with a completed Radiocommunications Licence Application (L1) form.
2. All sections of this form **must** be completed.
3. Only point-to-point link(s) within the same frequency band (e.g. 5 GHz Band, Lower 6 GHz Band, 15 GHz Band) shall be applied for on a single form. Where links in separate bands are required, separate forms must be completed.
4. The submission checklist **must** be accurately completed.

| SUBMISSION CHECKLIST | | |
|--|---|--------------------------|
| Please ensure the following have been submitted: | | |
| ITEM | DESCRIPTION | Check Box if Submitted |
| Form TS-PP | Completed all sections | <input type="checkbox"/> |
| B1 | Description of use of radiocommunications system | <input type="checkbox"/> |
| B2 | Copies of manufacturer's technical specifications for radio and antenna. | <input type="checkbox"/> |
| B3 | Link budget and path profile to support station operating parameters. | <input type="checkbox"/> |
| B4 | Topographical map/diagram illustrating the design and location(s) of point-to-point link(s) | <input type="checkbox"/> |
| D | A Letter from technically responsible company/person, accepting responsibility for radiocommunications system, inclusive of a statement of qualifications and experience. | <input type="checkbox"/> |

A. APPLICANT INFORMATION

Company:

Contact Person (Name and Position):

Mailing Address (Location, Street, P.O. Box, City/Town):

Telephone:

Facsimile:

Email:

B. NETWORK DESIGN

- | | |
|-----|--|
| B1. | The applicant shall explain in an attached letter how the radio-transmitting equipment or radiocommunications service proposed in this application will be used, as it relates to its business activities. |
| B2. | The applicant shall submit copies of manufacturer's technical specifications for radio and antenna. |
| B3. | The applicant shall submit a Link Budget and Path Profile for all point-to-point links. |
| B4. | The applicant shall submit a topographical map(s)/diagram(s) illustrating the design and location(s) of the station(s). |

C. STATION DETAILS

Note: Please complete and submit a new Section C for each point-to-point link to be licensed in this radiocommunications system.

1. Transmitter

| | Station 1 | Station 2 |
|---|--------------|-----------|
| Make | | |
| Model | | |
| Frequency Range of Operation of Radio (MHz) | Lower Limit: | |
| | Upper Limit: | |
| Number of Channels Requested | | |
| <i>Preferred Transmit Frequency(ies) (MHz) [Optional]</i> | | |
| Channel Bandwidth (MHz) | | |
| RF Output Power (dBm) | | |
| ITU Class of Emission Designator | | |
| Modulation Type | | |
| Link Capacity (Mbits/sec) | | |
| Bit Error Rate | | |
| I.F. Frequencies (kHz) | | |

2. Receiver

| | Station 1 | Station 2 |
|--|-----------|-----------|
| Receiver Selectivity (adjacent channel rejection) (dB) | | |
| Intermodulation (adjacent channel rejection) (dB) | | |
| Receiver Sensitivity (dB) | | |
| Frequency Stability (%) | | |
| Spurious and Image Rejection (dB) | | |

C. STATION DETAILS (CONTINUED...)**3. Antenna**

| | Station 1 | Station 2 |
|---|------------------|------------------|
| Make | | |
| Model | | |
| Frequency Range of Operation of Antenna (MHz) | Lower Limit: | |
| | Upper Limit: | |
| Antenna Type | | |
| Antenna Gain (dB) | | |
| Beamwidth – Vertical (degrees) | | |
| Beamwidth – Horizontal (degrees) | | |
| Polarization | | |
| Antenna Azimuth (degrees) | | |
| Antenna Elevation (degrees) | | |
| Total Transmission Lines Loss (dB) | | |

4. Location

| | Station 1 | Station 2 |
|--|------------------|------------------|
| Station Name | | |
| Antenna Height above Ground (m) | | |
| Site elevation above mean sea level (m) | | |
| Coordinates (degrees, minutes, seconds) | | |
| Physical Address (Location, Street, City/Town) | | |

D. TECHNICAL RESPONSIBILITY

The applicant must identify the technical staff or contractors responsible for the design, implementation and maintenance of the radiocommunications equipment.

Please check box below if the Applicant is technically responsible for radiocommunications system: **Design and Implementation:** **Maintenance:**

If "No" for any of the above, please complete parts 1 and/or 2 below.

Note: A letter must be included from the company/person accepting technical responsibility for the design and implementation and/or maintenance of the applicant's radiocommunications equipment, including the qualifications and experience of the technically qualified company/person.

1. Design and Implementation

| | | |
|--|------------|--------|
| Company: | | |
| Contact Person (Name and Position): | | |
| Mailing Address (Location, Street, P.O. Box, City/Town): | | |
| Telephone: | Facsimile: | Email: |

2. Maintenance (Check box if the same as above, otherwise complete below)

| | | |
|--|------------|--------|
| Company: | | |
| Contact Person (Name and Position): | | |
| Mailing Address (Location, Street, P.O. Box, City/Town): | | |
| Telephone: | Facsimile: | Email: |

E. DECLARATION AND SIGNATURE

I, the undersigned, do hereby declare that the information provided in this application is correct and accurate to the best of my knowledge. 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, 2001. 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(s) 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.

Name of individual authorised to sign on behalf of company (Block Capitals):

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Position:

Signature:

Date: