

## **RADIO FREQUENCY SPECTRUM FOR BROADBAND WIRELESS ACCESS SERVICES**

The Telecommunications Authority of Trinidad and Tobago has initiated a process towards making radio frequency spectrum available to individuals/companies wishing to provide *public* Broadband Wireless Access (BWA) services such as high speed Internet access and wireless cable television, or *private* BWA services such as wireless Local Area Network (LAN) radiocommunication equipment.

Central to this process was the publication by the Authority, of the *Spectrum Plan for the Accommodation of Broadband Wireless Access Services*. This spectrum plan identifies radio frequency spectrum in the following bands that have been allocated for individuals / companies desirous of providing BWA services:

400 MHz  
Lower and Upper 700 MHz  
2.3 GHz  
2.4 GHz  
2.5 GHz  
3.5 GHz  
5 GHz  
12 GHz  
28 GHz

The approach to be employed for licensing the use of the bands indicated above is also identified in the spectrum plan.

Copies of the spectrum plan are available on the Authority's website at ([www.tatt.org.tt](http://www.tatt.org.tt)) or at the following venues for a fee of TT \$20.00:

Telecommunications Authority of Trinidad and Tobago  
76 Boundary Road  
San Juan  
Trinidad

Or

Management Services Unit  
Office of the Chief Secretary  
Quarters # 34  
Calderhall Road  
Scarborough  
Tobago

In accordance with the spectrum plan, the process by which the Authority will make radio frequency available for the provision of **public** Broadband Wireless Access (BWA) services to facilitate the use of BWA technologies includes the following:

- Authorisation for the provision of public Broadband Wireless Access (BWA) services in the Lower 700 MHz, 12 GHz and 28 GHz Bands
- Authorisation for the provision of public or private Broadband Wireless Access (BWA) services in the 2.4 GHz and 5 GHz Bands.
- Authorisation for the provision of Broadband Wireless Access (BWA) services in the 400 MHz, Upper 700 MHz, 2.3 GHz, 2.5 GHz and 3.5 GHz Bands

**(A) Authorisation for the provision of *public* Broadband Wireless Access (BWA) services in the Lower 700 MHz, 12 GHz and 28 GHz Bands**

In accordance with the spectrum plan the Authority will employ a competitive process to authorize interested parties to provide **public** BWA services in the following bands:

- Lower 700 MHz;
- 12 GHz; and
- 28 GHz Bands.

Relevant Concessions and associated Licences for the following **public** services can be obtained through this competitive process:

- Subscription broadcasting services (i.e. “wireless” cable television);
- Internet access services; and
- Public telephony services

The competitive process will involve a Pre-Qualification stage followed by a Competitive Bidding stage.

Interested parties will first be invited to submit proposals, via a Request for Proposals (RFP) process, in order to pre-qualify to proceed to the Competitive Bidding stage and to determine eligibility for the relevant concession(s). The winning Bidders from the Competitive Bidding stage will be eligible for a Spectrum Licence and recommendations will be made to the Minister responsible for telecommunication for the grant of Concessions.

RFP documents will be available from **Monday 29<sup>th</sup> January 2007**. A public notice inviting submission of proposals will be placed in the daily newspapers and on the Authority’s website.

**(B) Authorisation for the provision of *public or private* Broadband Wireless Access (BWA) services in the 2.4 GHz and 5 GHz Bands.**

In accordance with the spectrum plan the following bands will be *class licensed* under the *class licence regime* for the provision of *public or private* BWA services.

2.4 GHz Band	i.e.	2.4 – 2.483.5 GHz
5 GHz Band	i.e.	5.150 – 5.250 GHz
		5.250 – 5.350 GHz
		5.470 – 5.725 GHz
		5.725 – 5.850 GHz

All providers of BWA services (both *public and private*) will be required to register any base station(s) with the Authority used in the provision of services in the above bands and will be required to operate within strict technical operating parameters to be published by the Authority.

**Concession applications are also hereby invited and required for the provision of public BWA services in the 2.4 GHz and 5 GHz Bands.**

Interested parties are advised that relevant concessions for the following types of services may be obtained via this application process:

- Subscription broadcasting services (i.e. “wireless” cable television);
- Internet access services; and
- Public telephony services

Application forms will be available at the offices of the Telecommunications Authority of Trinidad and Tobago, on the Authority’s website at [www.tatt.org.tt](http://www.tatt.org.tt) and Management Services Unit, Tobago from *Monday 29<sup>th</sup> January 2007*.

**(C) Authorisation for the provision of Broadband Wireless Access (BWA) services in the 400 MHz, Upper 700 MHz, 2.3 GHz, 2.5 GHz and 3.5 GHz Bands**

In accordance with the spectrum plan *the Authority has placed a moratorium* on authorizing *new and existing users* of radio frequency spectrum to provide BWA services in the following bands:

- 400 MHz
- Upper 700 MHz
- 2.3 GHz
- 2.5 GHz
- 3.5 GHz.

The Authority will engage *existing users* in the above bands in a process to determine an equitable allocation of resources in the abovementioned bands. This process will take place before authorization under the Telecommunication Act 2001 can be effected and is scheduled to begin on **Monday 29<sup>th</sup> January 2007**. All affected parties will be formally notified by **Monday 22<sup>nd</sup> January 2007**.

Additionally, the Authority will publicly announce the authorization process for the provision of BWA services in the above mentioned bands for *new users* when the exercise is completed.

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