



WPC AND ETA
APPROVAL

ABOUTS AS

WPC is a Wing of the Ministry of Communication, a National Radio Regulatory Authority involved in Frequency Spectrum Management. WPC Office issues WPC (ETA) License for IT and Electronic products while fulfilling the needs of the wireless technology consumers. Wireless and Bluetooth IT and Electronic products that operate on unlicensed frequency bands and meet human safety requirements can only be sold in Indian market with WPC approval.

WPC Approval- An Overview

- WPC stands for Wireless Planning and Co-ordination. Such approval is required for the process of any form of radio frequency enabled devices. Permission from the WPC department would be required for any form of import of radio-based frequency equipment into India. This department would ensure that all the requirements related to licensing are met by the service provider.
- Wireless Planning and Co-ordination wing comes under the Department of Telecommunication (DoT). Such wing would be responsible for carry out radio frequency testing, licensing requirements related to wireless testing and frequency testing.

Regulatory Body/ Authority for WPC approval India

The primary regulatory body or authority for WPC approval in India is the Department of Telecommunications (DoT). Such department would come under the purview of the Ministry of Communications in India.

Apart from the responsibility of carrying out licensing, the department would also be responsible for frequency spectrums and monitoring frequency spectrums. WPC has their main head office in New Delhi and regional centres are present in Kolkata, Mumbai, Chennai and Guwahati.

The main law that governs the licensing requirements for different forms of equipment would be the Indian Wireless and Indian Telegraphy Act.

Constitution of the WPC

The following is the
constitution of the WPC:

Licensing and Regulation

New Technology Group

Standing Advisory Committee
on Radio Frequency Allocation

- **Licensing and Regulation**

This department would be considered for all the licensing and regulations related to WPC approval. Licensing and regulation under this system would have to be taken to the above authority

- **New Technology Group**

If there are new technologies or some form of new technology is utilised, then this department would administer the use of technology and processes

- **Standing Advisory Committee on Radio Frequency Allocation (SACFA)**

The SACFA carries out making different form of recommendations relating the radio frequency and other recommendations related to International Telecom Union (ITU).

What are the benefits of Securing WPC Approval? (WPC Approval India)

There are different forms of benefits for securing WPC Approval in India:

- **Compliance with Standards**

By securing WPC approval in India, all authorities be it Central Government, State Government and Private Companies would ensure that they comply with the standards as per the Indian Government

- **New Modernisation Requirements**

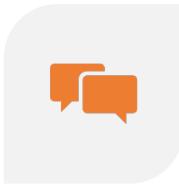
All companies that secure this approval would be compliant with the requirements of the law. Apart from this, wireless companies would get frequent updates from this authority

What is WPC Approval required for ?

WPC Approval would be utilised by agencies for securing the license to operate within a given frequency. All wireless based products would be working on some form of wireless networks. Such wireless devices would require working on some form of de-licensed frequency bands. Such de-licensed frequency brands would require a specific type of approval. Such an approval is known as the ETA (Equipment Type Approval).

Hence in Order to obtain ETA, would be on the basis of a particular model which requires WPC approval.

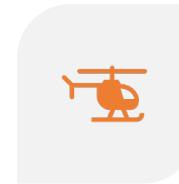
Which Products require WPC Approval?



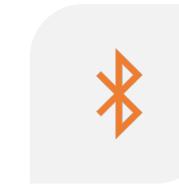
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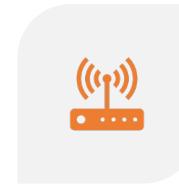
RC CARS/BOATS,



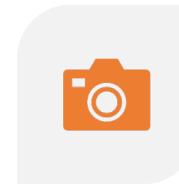
DRONES/UAV,



ZIGBEE, BLUETOOTH
DEVICES



PHONES,
COMPUTERS, AND
ROUTERS



CAMERA

Eligibility Criteria for WPC Approval

The following eligibility criterion has to be met for WPC approval:

1. Manufacturer/Importer

The applicant has to be a manufacturer or importer of wireless enabled devices or other forms of equipment. The applicant can either be a domestic manufacturer of these types of devices. If the applicant wants to import wireless devices into the country, then there is a specific license to carry out the above procedure

2.Authorised Representative

If the applicant is a foreign company, then an authorised representative must be appointed for WPC approval in India. The authorised representative can be a company that represents the foreign company in carrying out filing process related to WPC approval.

3. Require De-Licensed Frequency Bands

The device must work on specific de-licensed frequency bands. All devices that have wireless capability would be capable of working on de-licensed frequency bands.

4. Report from ISO Labs

If the product is manufactured within the country, then there is no requirement for any form of specific in-country testing. The only requirement is a particular RF report is required from an ISO/IEC 17025 accredited laboratory. RF means the Radio Frequency Test report which has to be produced by an accredited laboratory.

5. Frequency Results

The frequency results of the wireless accessory must be present in the results. The individual results must indicate the video bandwidth, resolution bandwidth, sweep and the frequency.



5. Authorization-cum-Agreement Letter for foreign manufacturers

This letter is an authorisation for the agreement to enter into with the DoT. This type of agreement would only be applicable for foreign manufacturers. Such letter or document can be available on request from the authority.

6. Technical Data Sheet

The applicant would also have to provide the technical data sheet which is available on request from the particular authority.

What is the Procedure for applying for WPC Approval India?

The following procedure has to be utilised for applying for WPC approval:

1. Go-Online to the Department of Telecommunication Website

First and foremost the applicant has to go to the DoT Website. The following website has to be utilised for the approval

process https://saralsanchar.gov.in/wpc_eta_report.php . Then the applicant has to go to the tab and click on apply for new ETA.

2. Search Import Undertaking by ID

If the applicant is an importer of wireless equipment utilising different forms of radio frequency, then the same can be checked by searching the import undertaking through the ID. The applicant has to enter the import ID along with the captcha code.

3. Apply for New ETA

Application for the ETA is completely an online process. However, the applicant would have to make a self declaration utilising the following link https://saralsanchar.gov.in/wpc_eta_report.php. The applicant has to click on 'No' when asked the question '**Whether the equipment is working in License exempted/De-licensed bands?**' After this the applicant would be redirected to another page where the information related to the product has to be provided.

- The following details must be provided:
 - a. Name and other information related to the applicant.
 - b. What is the nature of the device? For example, if the device is a mobile handset, then information on the mobile handset must be mentioned in WPC Approval.
 - c. Provide Information related to the model number.
 - d. Provide information on who manufactured the product.
 - e. The Frequency Range must be mentioned after this- for example frequency range would be such as 5150 MHz – 5350 MHz.
 - f. Output Power has to be mentioned in the application.
 - g. Modulation range has to be provided in the application along with remarks of the same.



Review and Grant of Application.

If the application meets the requirements related to the specifications, then the authority would go ahead and grant the application for ETA for the particular device under WPC Approval.

Will Import of Wireless Products be covered by WPC Approval?

Yes, WPC Approval would also cover any form of imports that is made by an Indian Importer. However, for Import of wireless products into India, there is a specific procedure which is required to be carried out. The applicant for submitting the import license application must visit the specific wing of the WPC office where the applicant is located.

Post Compliance Requirements for WPC Approval

There are post compliance requirements which have to be carried out by the applicant for WPC:

- The applicant must ensure that the equipment confirms with the requirements of the frequency band widths.
- Specific Records have to be maintained by the applicant and require to be submitted to the ministry as per the requirements.
- The Applicant must ensure that if there is a change or modification of the wireless equipment, then the same has to be provided to the ministry.



Frequently Asked Questions

➤ **What is WPC Approval?**

WPC approval stands for wireless planning and co-ordination. It is a department which is established under the Department of Telecommunications. This authority is responsible for licensing requirement for internet devices, radio frequencies and other forms of wireless devices.

➤ **What are the different forms of services carried out by the WPC?**

There are different departments established by the WPC:

- There are separate departments to carry out services related to providing licenses.
- There are departments to liaise and co-ordinate internationally with other departments

➤ **Would I require this form of approval?**

WPC approval would be required if the device utilises any form of wireless enabled technology. Such technology would only operate and work on form of de-licensed frequency bands.

➤ **What is the meaning of technical clarifications?**

Technical Clarifications would be applicable to any device which requires approval from the WPC. The applicant would go for the process of applying for a new ETA.

➤ **What is the meaning of ETA?**

ETA under WPC would mean equipment type approval. Such equipment would require specific approval in order to comply with the requirements of the authority

➤ **What is the meaning of frequency bands? How is it different from frequency charts?**

Frequency band would be applicable to a particular domain which has two forms of indicators. The indicators would be the lower domain and the higher domain. Frequency bands are commonly used terms when it comes to radio frequency and other form of devices. Frequency chart is a specific form of chart showing frequency bands for different type of wireless product. For example, if the product is a specific frequency band, then it would be categorised as low power devices. 50-200 khz are classified and categorised as low frequency bands. However, 5825 Mhz – 5875 Mhz would be categorised as high frequency bands

➤ **What would be crucial in an application for the approval?**

The applicant must ensure that the technical specifications meet specific requirements. Apart from this the frequency band and model number has to be specified. The device must be wireless which is present in a de-listed frequency

➤ **How would a foreign manufacturer require this approval?**

Yes, a foreign manufacturer would require this form of approval. However, the foreign manufacturer would utilise an authorised agent

REQUIRED DOCUMENTS :

- Radio Frequency (RF) Test report from any ISO 17025 accredited Foreign lab or NABL accredited Indian lab The soft copy of RF Test report is required.
- Authorization Letter and ID Proof for Signing the Documents issued by Head of Manufacturing Unit
Any Executive of an organization in India can be nominated Authorized Signatory and Representative of foreign manufacturer in India.
- Product Technical literature
Document describing technical details about product - like, user manual

THANKS YOU

