PW Consulting
Complete IT solutions

Integrated Telecommunications Management System (iTMS)

"Type Approval Module Summary"

Automate Your Type Approvals and Improve Regulatory Compliance

Maintain Interoperability and Automate Type Approval Processing

It is critical that a national regulatory commission implements and manages compliance with **technical standards for interoperability** of equipment and networks. This essential protection of consumers from products that are hazardous, can affect the normal function of other equipment or the health of people is achieved with the Type Approvals process. Type Approval (TA) is granted to a myriad of products if they comply with regulatory, technical and safety standards. The automation of this TA processing significantly decreases time and effort required by the regulatory commission for completing these Type Approvals. Using the iTMS Type Approval module allows for **TA processing** directly by the regulatory commission or through any **third party company** world wide. The system maintains a complete inventory of TA, assesses multiple fees for processing, and issues certificates. Additionally the Document Management functionality supports the uploading and access to cogent source documentation for any given TA. In effect time consuming Type Approvals can now be rapidly processed, updated and issued via email or hardcopy with just a few keystrokes.

Protect Public Safety and Network Performance through Regulatory Compliance

Today's **electronic networks** consists of a multiple switching points, interconnected by various transmission technologies; cable, radio, microwave or optical-fiber transmission links. These networks carry individual or group transmission and must rely on equipment that connects and complies with established international and transmission standards. This compliance results in improved **network quality, security and safety**. Type Approval is necessary for equipment connecting to modern networks, and certifies that the equipment will not degrade network performance. It's not just about a device failing. Type Approvals can stop a device from interfering with **life critical communications** such as air traffic control and navigation systems like GPS. Consequently for all hardware that is transmitting a signal there is a corresponding TA certificate issued locally. The **Type Approval Module** is designed for the efficient evaluation and certification of all of these multiple devices that emit frequencies or technologies that incorporate frequency in their normal operational characteristics. The management of these components, often equipment manufactured in multiple countries across the globe, requires detailed *Type Approval Applications* to be completed, supported by lengthy and technically complex "source documentation". The Type Approval Module administers all of this complexity and offers peace of mind for spectrum regulators and national commissions.

Manage Spectrum Resources and Third Party Companies

National Spectrum Plans are predicated upon the appropriate use of the spectrum resources. Each national regulatory authority seeks to manage this common and **valuable spectrum resource** by functioning as a central knowledge repository for who's doing what, where. Any electronic device has the potential to interact with that resource, and the regulatory commission enforces rules regarding which devices must meet which limitations to be legally sold and used within it's jurisdiction. Typically this involves multiple **"Third Party Type Approval Companies"** in this certification of the innumerable technology components that originate from all regions across the globe. Consequently, manufacturers of these technologies who are requesting Type Approval, must meet the minimum standards and technical specifications established for spectrum use. Moreover, a **clear regulatory procedures** needs to be established. One that assures and maintains the confidence of suppliers, importers, end users and new technologies developers, the iTMS provides this regulatory framework.

TYPE APPROVAL NUMBERING AND CERTIFICATES

After a Type Approval review is completed the user has the ability to generate an electronic **Type Approval Certificate** which can be emailed or routed to a printer for a hardcopy. Each certificate has the unique Type Approval certificate number (i.e., *NO:0001*) included along with predefined TA information on the *Third Party Applicant*, the company processing the TA, *Certificate Holder* and the specification on the *Hardware* receiving the certificate. This information is stored permanently in iTMS.

TECHNICAL REPOSITORY FOR PUBLICATION

The iTMS provides the regulatory commission with the provision to **publish** the details of all equipments type approved. With iTMS "*Document Management*" all original manufacturing specifications, drawings, images, and technical documentation on equipment requiring Certification or Type Approval can be referenced. The iTMS also generates a wide variety of additional certificate types including Amateur Radio, Marine, Aeronautical etc. All of these certificate types are maintained in the customer specific database for every certificates issued. This allows for **quick confirmation and referencing** on each device certified by the commission.

PW Consulting Inc.

To request our Management Report on what the iTMS Enterprise Software can do or to arrange a no obligation Software Demonstration.

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