

1st Edition - Spring 2010



Product Service

**Choose certainty.
Add value.**

WIRELESS :: Talk



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Dear Readers:

Welcome to the first edition of WIRELESS::Talk, the new Wireless Newsletter from TÜV SÜD Product Service. This newsletter is designed to keep you informed about regulatory changes within the industry, as well as keep you updated with our latest activities and services from both TÜV SÜD Product Service and BABT. We hope that you find it an enjoyable and worthwhile read!

Jean-Louis Evans - Managing Director

Cospas-Sarsat Test Reports issued in 24-Hours!

TÜV SÜD Product Service is one of only a few labs worldwide that is able to test 406MHz beacons to the standard T.007, prior to certification by the Cospas-Sarsat Secretariat.

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A typical test programme takes 4 – 5 weeks, provided that there are no intervening problems such as issues with test samples. The Cospas-Sarsat Secretariat can then take another 4 weeks to issue the certification. Of course this timescale is too long for manufacturers wishing to sell their products at the earliest opportunity.

TÜV Product Service is therefore pleased to announce that we can now issue Cospas-Sarsat test reports to the T.007 standard within 24 hours of completion of testing!

Increased Smartcard Testing Capability

TÜV SÜD's Smart Card laboratory is pleased to announce a number of enhancements to its service, including two new test services for industry tool manufacturers. As Sole supplier to MasterCard, we now offer a validation service for CPV and TIP test tools under the MasterCard schemes. This new service is available NOW!

Level 2 testing at TÜV SÜD has more choice now as we are pleased to announce our new working partnership with ICC Solutions and the use of their ICCSim TMat test tool for terminal validation. Working alongside our existing platform from Silicomp, the UltraSmart test tool, this gives the terminal vendor a choice of which tool they would like to use for certification. Please contact us for more details.

The expansion of this service has been put in place to help deal with the upcoming change in Level 2 certificate validity which means that, from the beginning of July this year, the certification of many older Kernels will have expired. In order to secure a test slot before the rush, please book early. For new customers, a 10% discount will be applied to your first type approval session with TÜV SÜD!



Our customers can now monitor their test programmes online through a High Quality, Secure network using TÜV Product Service's new Remote Monitoring Service at No Extra Cost.

Benefits include:

- **Timeliness and Speed of Results**
 - You can view high-quality images of your test programme via the Internet and monitor your sample's performance during testing as it happens.
- **Save Time & Reduce your Travel Costs**
 - There's no need to travel to our test facility to set-up and drive your equipment
 - Our test engineers can do this under your guidance via the video monitoring link
- **Control and Convenience**
 - Control the camera with ease from the convenience of your office using the controls on your desktop to Zoom in and out, and direct the camera at any points of interest during the testing.
- **Ease of Use**
 - It's easy to use, but our IT department is available to resolve any issues you may encounter



Quake Global, a leading manufacturer of satellite communicators based in California, has worked with TÜV Product Service in a pilot to test the new Remote Monitoring Service. Sergio Ramos, Quake's Chief Technical Officer, said: 'There is great value in a service such as this, whether you are UK-based or an international company'.

WE STAND OUT

One-stop Wireless Certification Testing for Europe, USA and Canada & other parts of the World

Not only does TÜV Product Service have long experience in testing to ETSI and CENELEC standards, we are also an FCC and Industry Canada listed test laboratory able to test a wide variety of Wireless devices quickly and cost effectively. Our certification body, BABT, is authorised to issue Certifications for compliance with FCC and Industry Canada regulations, allowing much faster certification than going directly to the FCC or Industry Canada.

Our certification body BABT is currently providing more certification under the R&TTE Directive than at any time since the directive came into force 10 years ago. The benefit of having a Notified Body opinion is obviously appealing to many manufacturers as it aids the process of global market entry.

It is worth noting that:

- The use of the BABT identification number "0168" on the product and packaging indicates that an independent 3rd Party has been involved in the compliance process.
- R&TTE certificates are accepted in many countries outside the EU and are a useful market entry tool.



Our FCC and IC testing & certification standards include:

FCC Testing & Certification

- CFR 47 Parts 15 - (Unlicensed Radio Frequency Devices)
- CFR 47 Parts 22 - (Public Mobile Services)
- CFR 47 Parts 24 - (Personal Communication Service)
- CFR 47 Parts 27 - (Miscellaneous Wireless Communication Devices)
- CFR 47 Parts 80 - (Maritime Service)
- CFR 47 Parts 87 - (Aviation Services)
- CFR 47 Parts 90 - (Private Land Mobile radio Service)
- OET 65C - (SAR)
- ANSI C63.19 - (HAC testing)

IC Testing & Certification

- RSS-119 - (Land Mobile and Fixed radio 27-960 MHz)
- RSS-123 - (Low power licensed devices)
- RSS-132 - (800Mhz Cellular action services)
- RSS-133 - (2GHz Personal Communications services)
- RSS-139 - (Licensed Radio communication Devices 2400-2483.5MHz)
- RSS-210 - (Low power licensed-exempt devices - all frequency bands)
- RSS-102 - (SAR)

We have also just added an International Compliance section to our TÜV Product Service website, which provides advice on getting your wireless products to market in other parts of the world.

Contact us now to see how we can help you on +44 (0)1489 558100 or email us at info@tuvps.co.uk.

CE Marking and the R&TTE Directive

Radio products fall within the scope of the R&TTE Directive which is a "CE" marking Directive. This Directive has been in force for around 10 years, yet it still raises questions from many companies about how and when its requirements should be applied.

EU market surveillance of products that fall within the scope of the R&TTE Directive has increased dramatically recently. As well as carrying out product testing, surveillance authorities also inspect documentation.

If you are interested in attending an R&TTE training course run by TÜV Product Service and BABT, please get in touch.

Contact: info@tuvps.co.uk



BABT Launches NEW Website!

BABT has launched a brand new website which has been redesigned and updated with improved navigation tools, simpler application processes and fast access solutions to getting your products certified AS QUICKLY POSSIBLE.

The website was re-launched with a vibrant new look, containing flash videos, new content and significant layout updates to provide a simpler process for finding the certification requirements needed to get your products to market.



The new site covers all services that BABT has to offer the Wireless and Telecommunications industry and our new Fast Access Certification Service is designed to decrease the time it takes to get your products to market in a number of different locations around the world, including Europe, US, Canada and Japan.

January 2010 also saw the launch of the new Online Purchasing service, offering just three easy steps to submitting an application for FCC certification. The online purchasing scheme is designed to simplify the FCC application process, including an optional online payment facility with the choice to pay either by credit card or create an online customer account.



By using the BABT online portal, manufacturers can apply to BABT from anywhere in the world, and will get a fast & efficient service, meaning products can be authorised for US market access faster than the traditional paper-based approach!

IMEI users can still access our allocation pages as before. However, the pages have been redesigned to make all aspects of the number allocation process clearer and more easily accessible.

This certification tool will soon be rolled out for Canadian and R&TTE Certification. Take a look at BABT's brand new website TODAY!
www.babt.com

BABT becomes Notified Body for the Marine Equipment Directive

BABT has extended its certification services and recently achieved Notified Body status under the Marine Equipment Directive 96/98/EC. The appointment will be effective from 15th April 2010 and will contribute significantly to its wide range of existing certification capabilities.

The scope of the appointment covers categories A.1/4 (Navigation equipment) and A.1/5 (Radio-communication equipment), thus including the equipment used on ships registered under the flags of the EU member states, as outlined within the Marine Equipment Directive 96/98/EC.

This important appointment complements the wide range of certification services currently offered by BABT and its parent company TÜV Product Service Ltd. Through combining the extensive range of test services offered by TÜV Product Service Ltd at their Fareham (UK) facility with the certification capabilities offered by BABT, manufacturers now have an unrivalled service available to them within the UK.

The Marine Equipment Directive includes undertaking factory audits in order to maintain continuing compliance. As part of the TÜV SÜD Group, manufacturers can benefit from reduced costs through utilising our vast range of expert auditors based at different locations around the world. At the same time, manufacturers can also profit from building valued working relationships with one of the world's leading certification organisations.

BABT's achievement of Notified Body status under the Marine Equipment Directive provides alternative solutions to both UK and European manufacturers in getting their products to market quickly and efficiently.

For further information regarding this service please contact us at info@babt.com or alternatively you can call on +44 (0)1932 251200.

Hearing Aid Compatibility

HAC Handset Deployment Schedule

Manufacturers of digital wireless handsets for use in the United States must offer:

- At least one-third of models (rounded down) rated M3 or higher.
At least half of required models rated M3 or higher must be new models.
- The greater of: (1) at least 2 models or (2) twenty percent / twenty-five percent / one-third of models rated T3 or higher beginning February 15, 2009/2010/2011 respectively.

Note: (Requirements apply per interface) There are different rules for manufacturers offering few models in an air interface

Tier I digital wireless service providers must make available to consumers:

- Either 50% of models or 9 models rated M3 or higher
- The lesser of: (1) one-third of models (rounded up) rated T3 or higher or:
 - Before February 15, 2010 : five T3-rated (or higher) models
 - Beginning February 15, 2010 : seven T3-rated (or higher) models
 - Beginning February 15, 2011: ten T3-rated (or higher) models
- Models with differing levels of functionality

Note: There are exceptions if 3 or fewer models are available in an air interface.

Other digital wireless service providers must meet the same benchmarks as Tier I providers from May 15, 2009.

Please contact us for more details.

Contact: Phil Evans (pevans@tuvps.co.uk) +44 (0) 1489 558308.

