



InterLab[®] from 7 layers

The efficient solution for professional Bluetooth[™] testing

Amsterdam, June 2002

Bluetooth Test Demands

With Bluetooth modules becoming part of a growing number of products, test demand for this global technology is rising. Since the responsibility for the functionality of highly complex Bluetooth products lies with the suppliers, the industry has established a complex qualification program in order to secure quality standards and interoperability of various products from different manufacturers.

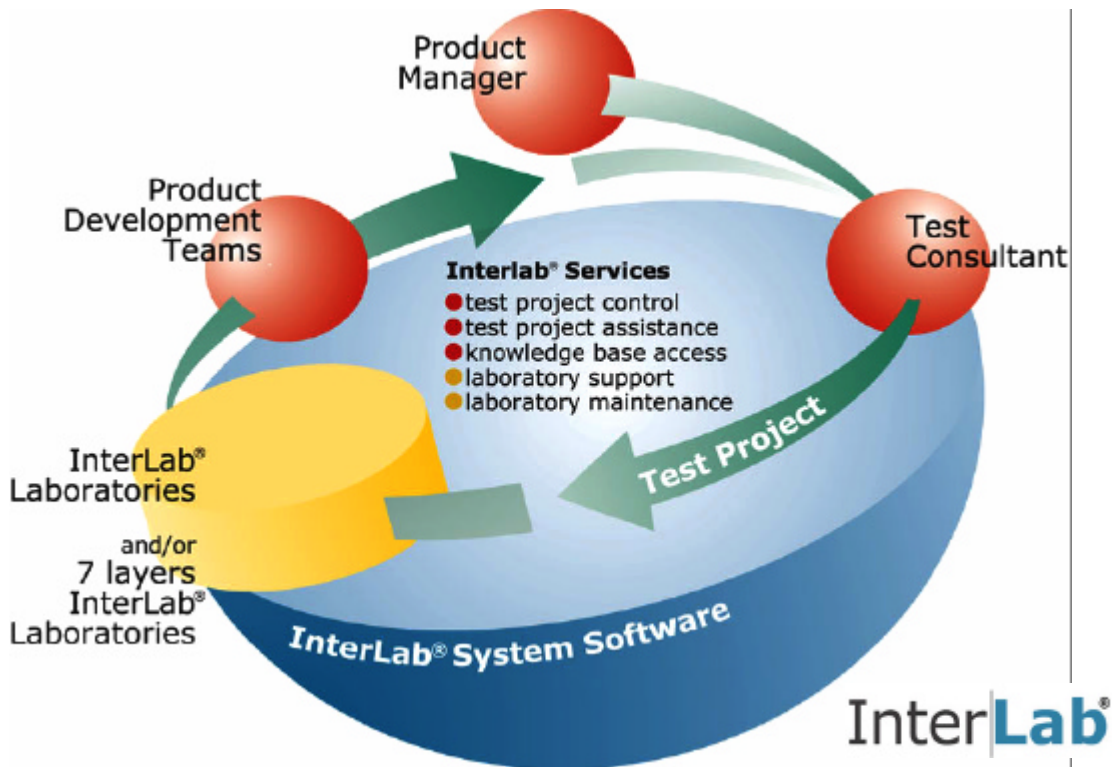
Test procedures necessary for enterprises active in the Bluetooth sector vary immensely. Manufacturers of Bluetooth chip-sets or modules need early product development and qualification tests, whilst manufacturers who use Bluetooth modules in end-user products are interested in Bluetooth integration and interoperability testing as well as qualification tests. For qualification testing, test laboratories with BQTF status (Bluetooth Qualified Test Facility) are necessary. End-product manufacturers may in the long run prefer to use multi-purpose test houses that cover Bluetooth qualification test demands together with other test demands, like for example for electromagnetic compatibility, electrical safety etc.

Testing made easy – with InterLab[®]

In order to cover these varying test demands 7 layers has developed the InterLab[®] system for professional telecommunications testing. The basic idea of InterLab[®] is to support enterprises in quickly setting up Bluetooth test laboratories and running them easily and efficiently, so that they can cover their test demands even if they are no specialists in telecommunications testing.

With InterLab[®], all steps in a test project are looked after, from collecting basic knowledge about technology specifications, test requirements etc. – via test plan generation – to the actual testing and generation of the test report. It guarantees fast and easy communication between all parties involved and gives them continuous access to all data and information necessary, from successful development to qualification. 7 layers combines this with test project assistance for analysis of measurement results, training and support services for the laboratory team and services to maintain the high standard of all InterLab[®] laboratories. This way InterLab[®] makes Bluetooth in-house test laboratories as well as labs of multi-purpose test houses easier and more efficient to run.

Complete test laboratories or just individual test equipment can be adapted to the InterLab® system. InterLab® clients can combine testing in their own labs with tests in other InterLab® laboratories. Since test plan generation, testing and test reports are all set up in the same fashion and all InterLab® laboratories work to the same high standards, test projects can be divided between the most appropriate labs for each test.



Dr. Hans-Jürgen Meckelburg, Member of the Board of 7 layers AG, explains: "7 layers is already running the largest virtual test house for telecommunication testing worldwide and has been one of the first officially accepted BQTFs. In addition to the 7 layers laboratories in Germany, UK, USA and China, test laboratories of manufacturers and test houses are benefiting from the 7 layers in-house test methodologies. The broad experience we have gained from running our own and our clients' test laboratories has helped us to develop the new, highly efficient InterLab® system.

InterLab® is ideal for a large variety of users (product managers, test consultants, laboratory and development teams etc.), because it covers various test demands starting with product requirements capturing, speeding up development processes with research and development tests, integration and interoperability tests and covering qualification and type approval testing. Depending on the Bluetooth test demands of the user and the scale of its Bluetooth test laboratory, clients can choose between a variety of customized and updateable InterLab® configurations.



About 7 layers

7 layers is an engineering company for the wireless communications industry with broad expertise in development, testing and qualification for Bluetooth, GSM, GPRS, UMTS and others. 7 layers has service centres and laboratories in Germany, UK, USA and China. The services include:

- ? Technology services like development of specifications and test cases
- ? Test services in the early phases of new technologies
- ? InterLab® services, including delivery and set up of test equipment, connecting labs to InterLab®, offering continuous InterLab® services
- ? Test services in the 7 layers InterLab® laboratories
- ? Reference design testing
- ? Type approval handling services for global market access

Notes to the Editors

1. InterLab® is a registered trademark of 7 layers AG
2. Bluetooth™ is a trademark owned by the Bluetooth™ SIG, Inc., USA, and licensed to 7 layers.

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