

## Testing Technologies' PEI Scripting Engine Successfully Validated and Accepted by the TETRA Association

March 24, 2010  
Berlin (Germany)

Testing Technologies' Peripheral Equipment Interface (PEI) Scripting Engine has been successfully validated and accepted by the TETRA Association. Testing Technologies is the TETRA Association's approved PEI Scripting Engine provider.



The validation tests, held in Berlin, were supported by Motorola, EADS and Sepura comprising functional testing of the scripting engine, validation of the release management tool and a simulation of a PEI test & certification session.

Testing Technologies' delivery, a scripting engine that enables the TETRA Association to develop and run a certification scheme for the PEI interface, was therewith formally accepted.

TTworkbench, Testing Technologies' test automation flagship, provides an efficient environment for the development and execution of automated tests. It will be accompanied by a certification environment that enables the certification body to implement various certification schemes.

TTworkbench supports pre-certification tests as well as self-certification, or test lab based certification schemes. Furthermore the certification environment can be extended in order to be used within an overall quality assurance process.

As TTworkbench is based on the standardized technology TTCN-3, the TETRA Association has chosen a well established technology paired with the most deployed TTCN-3 test automation platform to provide their more than 150 members with an efficient, scalable and modern test system.

The TETRA MoU Association Limited (under the trading name TETRA Association) is a Members' Association with 150 members worldwide who are involved in the manufacture, development, deployment and use of the TETRA standard.

More about the TETRA Association at [www.tetramou.com](http://www.tetramou.com).

## Testing Femtocell Access Points

January 22, 2010  
Berlin (Germany)

Today, femtocell technology is experiencing first signs of maturity with several Tier 1 operators deploying femtocells using a variety of business models.

During the last months, there has been significant activity on the femtocell market including several commercial launches. Operators continue to identify a number of major user segments for femtocell and exciting service scenarios. >>>

>>> Ttsuite-Femtocell is Testing Technologies' test framework for analyzing Femtocell Access Points (FAP) based on the well-established TTCN-3 test automation platform TTworkbench. It provides applicable full-featured tests for Broadcast System Information, RRC & NAS Connection, RAB Management, User Plane, and Local Management.

An exhaustive set of context parameters allows the flexible adaptation of femtocell tests to the FAP implementations under test. Tests can be executed either in a host-based environment or by using dedicated test equipment for user equipment and femtocell core network simulation.

The test framework has been specified using the constantly evolving test notation TTCN-3. This international, open and maintained standard with standardized interfaces enables users to easily adapt and extend Ttsuite-Femtocell.

With Ttsuite-Femtocell mobile operators, Femtocell Access Point providers, and end to end solution providers can rely on a test solution that meets quality specifications and ensures investments in femtocell technology.

Find more details at [www.testingtech.com/solutions/ttsuite-femtocell](http://www.testingtech.com/solutions/ttsuite-femtocell).

## Get Testing Technologies' FAQs as RSS Feed



Get all important information and frequently asked questions on issues relating Testing Technologies' test automation platform TTworkbench via RSS feed. Request your feed directly from our home site at [www.testingtech.com](http://www.testingtech.com).

## Release Management of TTCN-3 Test Scripts

Traceability is one of the key-words in testing. Who has tested what using which test suite? This question is not easy to answer. In particular, if it comes to tests written in scripting languages likes TTCN-3.

The main problem occurring in a scripting environment is that test cases can be modified before execution, thus producing different test results than the initial version of a test case.

Let us consider the following use case. You, the test developer, have developed some test cases that you are providing to the end-user, the tester. You know exactly what your test cases are supposed to do and how they behave.

However, the tester requires some modifications in the test cases you have written. He modifies the test cases, and in some later phase he comes >>>

>>> back to you because they do not behave as expected.



He provides you with the detailed logs and asks you to fix the problem. After some time analyzing the issue you realize that the logs could have never been produced by your test cases. In strong discussion with the tester you find out that he has forgotten to provide you with the modifications.

Would it not be ideal to immediately see whether a log has been created with your version of a test suite? Would it not be great to guarantee that test results have been produced by released test cases or even in validated environments, without limiting the flexibility of a TTCN-3 test solution?

Testing Technologies has developed a unique tool chain that helps process managers to define and enforce release cycles of TTCN-3 test solutions based on TTworkbench.

So, are you distributing test solutions to end-customers and would like to optimize your support efforts? Or are you planning to use TTCN-3 in a certification scheme?

To find answers or to learn more about our unique TTworkbench features, please mail to [sales@testingtech.com](mailto:sales@testingtech.com).

## Executable MOST Compliance Test Specifications in TTCN-3 for Free

March 10, 2010  
Munich (Germany)

Starting with MOST Forum 2010, members of the MOST Cooperation will be authorized to download test specifications in PDF format but also executable test specifications in TTCN-3 standard for free.

The executable test specifications will be provided and maintained by Ruetz System Solutions. TTCN-3 standard is a format perfectly suited for defining, visualising and documenting MOST compliance tests.

Experiences from project work and compliance specification work have shown that, at a pure documentary level, detailed displays with a high degree of accuracy can only be achieved by expending enormous efforts.

This often leaves ample scope for interpretation caused by deficient adjustments. However, the scope for interpretation disappears when using TTCN-3 as a test description language.



In Ttsuite MOST by Ruetz System Solutions, specified test cases can be executed against real MOST systems or simulations, ensuring an intensive verification in the first design phase. >>>

>>> This and many other test-specific features have convinced the MOST Cooperation to use TTCN-3 as test language.

„Extended MOST Core Compliance Test Specification: MOST High Protocol“ is the first in a series of new test specifications that were launched at the MOST Forum 2010, on 23 March 2010. An executable version can be downloaded from the MOST Cooperation Intranet for free.

See more details at [www.mostforum.com/news/RUETZ.php](http://www.mostforum.com/news/RUETZ.php).

## Pick Up Speed with the New TWorkbench

Benefit from new features the test automation platform TWorkbench contains with the recent release of version 1.1.10.

The significant speed-up of model build when saving a file effects that syntax checks and all other editor features are much faster now. Furthermore, users can now define all settings separately for every project, allowing them to independently use several projects in one workspace.

GUI settings for the execution of test cases can now be utilized also for the command line. Thus, it is not necessary to perform any configuration again for the command line.



The new TTplugin Native C enhances TWorkbench with the ability to use implementations for the standardized TTCN-3 Control Interface (TCI) and TTCN-3 Runtime Interface (TRI) written directly in ANSI-C. With the new plugin developers can also implement codecs and adapters in C.

To see a detailed description of all features the test development and execution environment TWorkbench presents, please visit [www.testingtech.com/products/ttworkbench](http://www.testingtech.com/products/ttworkbench).

## T3UC: Unique Event Presents the International Testing Standard TTCN-3

June 8-10, 2010  
Beijing (China)

For almost ten years now, Testing Technologies has been developing and marketing TTCN-3 based test solutions for a variety of application areas. Our company has contributed to every single TTCN-3 User Conference (T3UC) yet organized, seeing the TTCN-3 community rapidly increase.



TTCN-3, a powerful test specification and test implementation language, managed to establish itself quickly as the international testing standard. It is already being used in various domains like telecommunication, automotive or medical business, but has the sweeping potential of being applied to each and every domain.

Testing Technologies is proud to be Platinum Sponsor at this year's T3UC in Beijing, China — a country with the largest TTCN-3 user community today. Come and hear us speak about

- The Role of TTCN-3 within the TETRA Certification Process
- Implementation and Execution of TTCN-3 – The TRI and TCI Interfaces
- Introduction to TTCN-3

The T3UC offers testing experts, tool providers, and users from all over the world the great opportunity to come together to meet, to share experiences, to see the latest developments, and to maintain the continued progress of TTCN-3 technology.

Testing Technologies is excited to participate in this unique event. We welcome all interested parties to meet us at our talks or in the exhibition area.

To set up a meeting up front, please contact [sales@testingtech.com](mailto:sales@testingtech.com).

## Upcoming Events

It would be a great pleasure for us to meet you at following events:

**May 25-27, 2010**  
TETRA World Congress  
Singapore  
Booth #E604

**June 8-10, 2010**  
ETSI TTCN-3 User Conference  
Beijing, China

**June 9-11, 2010**  
Accredited TTCN-3 Training Course  
„Theory and Practice of TTCN-3“  
Berlin, Germany

**September 10, 2010**  
Testing Technologies  
Celebrates 10th Anniversary  
Berlin, Germany

**September 22-24, 2010**  
Accredited TTCN-3 Training Course  
„Theory and Practice of TTCN-3“  
Berlin, Germany

**November 22-24, 2010**  
Accredited TTCN-3 Training Course  
„Theory and Practice of TTCN-3“  
Berlin, Germany

See all upcoming events at [www.testingtech.com/pressevents/event\\_calendar.php](http://www.testingtech.com/pressevents/event_calendar.php).