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Telelogic Advances Systems and Integration Testing with Tau[®]/Tester[™] 2.0

- Latest Release Simplifies Test Development and Execution; Provides Migration from TTCN-2 to TTCN-3 -

MALMÖ, Sweden and IRVINE, California – November 11, 2002 – Telelogic (Stockholm Exchange: TLOG), the leading global provider of solutions for advanced systems and software development, today announced the availability of Tau/Tester 2.0, the second release of its solution for advanced systems and integration testing. Based on the standardized test language Test and Testing Control Notation (TTCN)-3, Tau/Tester is ideal for rigorous software testing in a wide variety of industries, including telecommunications, military/aerospace, and automotive. Tau/Tester 2.0, along with the recently released Tau/Developer[™] and Tau/Architect[™], represent Tau Generation2, Telelogic's family of advanced systems and real-time software development and testing tools.

Using Tau/Tester 2.0 it is now possible to deploy a single test development and execution environment to perform systems and integration testing on multiple, diverse test execution platforms from a single desktop environment. More importantly, test engineers can now develop, download, execute and monitor a wide variety of tests without having to know multiple test languages or the specifics of every piece of test equipment.

“Tau/Tester 2.0 enables test engineers to focus on higher level, value added test activities rather than the behavior of each test execution platform,” said Ingemar Ljungdahl, Telelogic’s chief technology officer. “By automating many mundane procedures, Tau/Tester enables test engineers to focus more on testing system functionality so errors can be found earlier in the systems development lifecycle. This dramatically improves productivity and makes it possible to deliver higher quality applications faster and cheaper.”

Migration of existing test suites to a new standardized test language

With the release of Tau/Tester 2.0, Telelogic provides a migration path to the standardized test language TTCN-3 for users of Tau TTCN Suite and other tools that support the TTCN-2 conformance testing language. In the telecommunications industry in particular, many current projects have a large number of test cases defined in TTCN-2. These can now be reused in Tau/Tester 2.0.

TTCN-3 offers significantly increased functionality for the telecommunications industry (such as 3GPP) and brings the same benefits to other vertical markets, such as military/aerospace and automotive. TTCN-2 to TTCN-3 translation is provided by Strategic Test Solutions, Nottingham, U.K., a Telelogic partner.



Industry acceptance

Combitech Systems are basing the development of their latest product, StarTest, on Tau/Tester. StarTest enables function and regression testing of complex automotive systems. StarTest is based on the StarFrec product already in active use in the automotive industry for MOST and CAN real time testing. The addition of TTCN-3 integration to the existing StarFrec platform allows TTCN-3 tests developed with Tau/Tester to be used to perform systems testing for two of the most popular busses in newly designed vehicles - the MOST and CAN busses. "TTCN-3 meets the needs of the automotive industry for MOST and CAN testing, and we believe that Telelogic's Tau/Tester provides the best test development, execution and analysis engine for TTCN-3. We have already received positive reactions to our StarTest solution from automotive manufacturers and suppliers" said Fredrik Mattsson, StarTest product manager, Combitech Systems AB, Trollhättan, Sweden.

Integration with Telelogic's newly launched Tau Generation2 products

Tau/Tester is delivered as part of Telelogic's recently launched TauGeneration2 family of development tools. This includes Tau/Architect for modeling large and complex systems using an industry accepted visual language as well as Tau/Developer for designing and developing real-time software. In addition to a common user-interface for all tools, users also benefit from being able to work on both UML systems specifications/software designs and TTCN tests in the same tool environment.

Tau/Tester 2.0 Enhancements

Feature enhancements include:

- Tau Generation2 UML Sequence Diagram editor included – test traces are now shown as, and test purposes can be described using, UML sequence diagrams. .
- Support for testing of component interfaces using procedure-based communications (RPC, CORBA) – enables testing of any system interfaces now using synchronous as well as asynchronous communications, like the internet protocols SIP (Session Initiation Protocol) and IPv6
- Deadlock detection – if a test or test platform fails, this is detected and the tool will move onto the next test
- Support for 64-bit INTEGER and REAL data types
- New Module Parameter Editor – easier configuration of parameterized tests. Supports creation of generic test suites that can be tailored at execution time for a specific situation.
- Support for internationalization – languages such as Japanese can be supported
- TTCN to XML generator – generate test documentation in XML format

About Telelogic Tau

Telelogic Tau is an integrated family of software development and testing tools that provides a unique visual development environment. This simplifies, automates and accelerates the production of real-time and other advanced software.

About Strategic Test Solutions

Strategic Test Solutions Ltd (STS) is a leading software provider of 3GPP test solutions, offering innovative software testing solutions and TTCN-3 consultancy services to the wireless communications industry. Based in Nottingham, U.K, STS have plans for additional European development centres over the coming year. The STS mission is to provide telecommunication operators, user equipment manufacturers and infrastructure vendors a powerful, easy and cost-effective software test solution.



About Combitech Systems

Combitech Systems is a leading developer of advanced integrated hardware and software solutions for embedded systems. In this field, the company works with system design and software development, electronic engineering, process optimization and training. Combitech Systems today has approximately 300 employees. The company is a fully owned subsidiary of Saab AB. Saab is one of the world's leading high-technology companies, with its main operations focusing on defense, aviation and space. The group covers a broad spectrum of competence and capability in systems integration.

About Telelogic

Founded in 1983, Telelogic® is the leading global provider of solutions for advanced systems and software development. The company's integrated best-in-class software tools, supported by professional services, enable companies to automate their entire development lifecycle, resulting in improved quality and predictability with reduced time-to-market and overall costs. To ensure interoperability with third-party tools, Telelogic's products are built on an open architecture and standardized languages. As an industry leader and technology visionary, Telelogic is actively involved in shaping the future of advanced systems and software development by participating in industry organizations like 3GPP, ETSI, INCOSE, ITU-T, MOST, OMG and others.

Headquartered in Malmö, Sweden with U.S. headquarters in Irvine, California, Telelogic has more than 800 employees worldwide. Customers include Alcatel, BAE SYSTEMS, BMW, Boeing, DaimlerChrysler, Deutsche Bank, Ericsson, General Motors, Lockheed Martin, Motorola, NEC, Nokia, Philips, Siemens and Thales. For more information, please visit www.telelogic.com

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