



## Telelogic leads the way to deliver next generation test tool

**MALMÖ, Sweden – November 21, 2001** – Telelogic (Stockholm Exchange: TLOG), the leading global provider of solutions for advanced software and systems development, today presented further details regarding the development of its next generation test tool in connection with the Eurostar 2001 test fair in Stockholm. The tool, which is developed in cooperation with Nokia Research Center, will be Telelogic's first test development tool that supports the new test language TTCN-3\*.

"This is really breaking new ground for companies that would like to improve their test processes," says Ingemar Ljungdahl, Chief Technology Officer of Telelogic. "So far TTCN has mainly been used for conformance testing within the communications industry. Now TTCN is expanded to meet the needs of a broader testing market, thus addressing other industries and application areas as well. The new tool offers a new, modern graphical user interface that will ensure a consistent and productive user environment during the complete development cycle," continues Ljungdahl."

### **Nokia Research Center sees advantages in being part of the development**

Telelogic and Nokia Research Center have joined forces to develop the TTCN-3 based test tool. "By being directly involved in the development work we can be confident that the result matches our requirements in terms of functionality and quality," explains Dr. Colin Willcock, Research Manager at Nokia. "Nokia's early involvement in the design of the tool ensures that the new product will be even more user friendly than existing test tools," Willcock continues.

"Within Nokia we believe that TTCN-3 will provide real advantages over existing testing technologies. TTCN-3 also offers the possibility of using a standardized testing language in a wider testing context such as module and software testing," Dr. Willcock concludes.

### **"Beneficial for companies looking for an efficient test tool"**

While Telelogic and Nokia are developing the first TTCN-3 based test development tool, ETSI is developing the TTCN-3 language itself. "The main drivers behind the new language are ETSI's members," says Anthony Wiles, Manager of the ETSI Protocol and Testing Competence Centre. "TTCN is a language specifically designed for testing, and with the new syntax and operational semantics in TTCN-3, the language will be much easier to adopt for software engineers. At ETSI we are already using TTCN-3 to specify tests for SIP (the IETF Session Initiation Protocol) and the ETSI TIPPHON OSP (Open Settlement Protocol)".

ETSI sees several advantages in the joint tool development project of Telelogic and Nokia. “We are extremely positive to this approach. The aim of ETSI is to develop a language that meets the needs of the market,” explains Anthony Wiles. “At the same time it is very important that there are reliable and sophisticated tools that support the new language both for the production and execution of TTCN-3 test suites. Therefore the cooperation between Nokia and Telelogic is very much appreciated by us. By combining Nokia’s testing knowledge and Telelogic’s tool development skills, the result should be very beneficial for companies looking for an efficient test tool.”

### **Integration and migration possibilities**

It will also be possible to integrate Telelogic’s new test tool with other development tools. The intention is that the new tool will support integrations with both requirements and configuration management tools. “The test engineers will be able to automatically connect requirements with test cases and keep a multi-user test development project up to date with different versions of the project. Thus it is easy to assure that all requirements have been tested for a specific version of the software,” explains Ingemar Ljungdahl. “For companies already using a TTCN-2 tool, we will provide a smooth migration to TTCN-3.”

### **About Testing and TTCN**

Testing of advanced software systems is a rapidly growing area that affects an increasing number of different sectors within the software industry. The TTCN language is the world’s most widespread dedicated test development language. Telelogic is the leading TTCN supplier with its Telelogic Tau TTCN Suite. It has become the de facto standard test environment for communicating systems. Telelogic Tau TTCN Suite is used worldwide to test telecom and datacom equipment ranging from embedded communication chips to huge switches and intelligent network services. TTCN-3, the latest version of the test script language is currently being developed by ETSI, its members and ITU.

### **About Telelogic**

Founded in 1983, Telelogic® ([www.telelogic.com](http://www.telelogic.com)) is the leading global provider of solutions for advanced software and systems development. The company's automated application lifecycle solution includes integrated best-in-class software and professional services for requirements management, change and configuration management, development, testing, and documentation. Telelogic enables organizations to improve quality and predictability, while reducing time-to-market and overall costs in software and systems development. Built on an open architecture that ensures interoperability with other leading third-party solutions, Telelogic's products are based on international standardized languages and notations. Telelogic participates in 3GPP, Bluetooth SIG and OMG to create future communication technologies and visual software development languages.

Headquartered in Malmö, Sweden the company has more than 1,000 employees worldwide. Customers include Airbus, Alcatel, BMW, Boeing, BT, DaimlerChrysler, Deutsche Bank, Ericsson, Lockheed Martin, Lucent Technologies, Motorola, NEC, Nokia, Philips and Siemens.

\* This sentence has been changed from its original wording.

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