

Press Release

Successful application for the Internet and UMTS signalling protocol SIP

TTCN-3 test standard managed fire probe

Berlin/Sophia Antipolis, February 2002 – Worldwide leading companies of the telecommunication industry used for one week at the IMTC(International Multimedia Telecommunications Consortium)/ETSI/TTC (Telecommunications Technology Committee) Winter Interoperability event in December 2001 in Kobe, Japan the opportunity to test their products for the Internet and UMTS signalling protocol SIP thoroughly against each others products and against testing tools based upon the new test standard TTCN-3.

The main focus of the event was to check interoperability between H.323 or SIP implementations. The Japanese Standard Organisation TTC successfully hosted for the first time such a technical meeting regularly called by IMTC or the ETSI Plugtests Service. ETSI, active in Voice and Multimedia over IP standardisation works in particular through its committee EP TIPHON (ETSI Project Telecommunications and Internet Protocol Harmonization Over Networks). It provided some early results of its activities, in particular through the active participation of experts, able to execute, with a new, advanced test platform, several conformance test cases for SIP drafted by ETSI EP TIPHON. Experts from the ETSI PTCC (Protocol and Testing Competence Centre) and Testing Technologies IST GmbH, Berlin provided participants with the opportunity to make use of a conformance testing service for SIP Proxies and User Agents. This service was based on an initial set of test cases taken from the ETSI TIPHON SIP test suite, which contains over 400 test purposes and detailed tests written in the standardised testing language TTCN-3 (Testing and Test Control Notation).

"The test event in Kobe was a big success for all participants" summarized Mr. Philippe Cousin, manager of the ETSI Plugtests service. In contrast to in-house single tests, test events such as these offer companies the possibility to test their products under realistic and practical conditions for the interoperation with products of other vendors. SIP products could be analysed by systematic functional tests using the SIP test tool by Testing Technologies based on ETSI test suites. Many manufacturers of ICT equipment are realising that including the possibility of conformance testing at interoperability events gives real added value to the entire process of validating products and standards. Using TTCN-3 for the tests made them well defined, comparable and repeatable. Mr. Wiles, manager of the PTCC said "The newly adopted test standard TTCN-3

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could demonstrate its potential. Furthermore, for ETSI as a standards organization, it is very important that big players in the market test their products together in order to gain interoperability and making things work – and by doing so to use TTCN-3 as a basis for rigorous testing.”

“The test event in Kobe showed the participants: the use of TTCN-3 results in objective test results, which clearly indicated conformance or non-conformance of products. The test results have been a basis to modify the products in order to gain higher-quality, stable and robust SIP products for the telecommunication market”. Theofanis Vassiliou-Gioles, CEO of Testing Technologies IST GmbH and active participant in the test event takes even one step further: Questions and ambiguities, even minor disagreements resulting from interoperability tests between two products can be resolved by our independent, standard-based testing tool.”

The test event in Kobe was a further break-through for the test standard TTCN-3. ETSI and Testing Technologies plan to extend the SIP tests and to develop further tests for other protocols, e.g. for OSP from the E-Business sector, in order to penetrate TTCN-3 as a test standard into all segments of the telecommunication and information technology market.

TTCN-3

TTCN-3 – the Testing and Test Control Notation – is a universal test standard for various technologies such as 3GPP/UMTS, Internet, etc. TTCN-3 provides modern and powerful testing features particularly suited for the analysis and evaluation of distributed, reactive systems widely spread in the telecommunication and information technology area. TTCN-3 is a consequent further development of successful and well-established test methods and enables intense, exhaustive and efficient tests. Testing with TTCN-3 facilitates transparent and objective test procedures. The ability to present tests and test results graphically eases understanding, documentation and maintenance of tests.

ETSI

ETSI, the European Telecommunications Standards Institute, develops a wide range of standards and other technical documents as Europe's contribution to world-wide standardization of telecommunications and associated domains. Based in the Sophia Antipolis science park in southern France, the ETSI Plugtests service brings together well-over 900 companies and some 5000 technical experts from around the world.

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Testing Technologies IST GmbH

Testing Technologies IST GmbH has been founded in September 2000 as Spin-off of the Fraunhofer Institute FOKUS in Berlin. Testing Technologies is currently the only provider of commercial test development tools for the new test standard TTCN-3. Testing Technologies IST GmbH offers a large service and product portfolio: from planning and test specification to test implementation and realization. Advanced test tools based on TTCN-3 assure optimal test quality and transparency whilst the strong research relation guarantees that results always reflect the latest cutting-edge standards. Renowned vendors and providers are reference customers of those services.

Further information

<http://www.ttc.or.jp/winter2001>

<http://www.etsi.org/plugtests>

<http://www.testingtech.de>