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**THE MATHWORKS SUPPORTS LXI STANDARD, JOINS CONSORTIUM**

*Company Brings Model-Based Design Expertise to Test Engineering Initiative*

**NATICK, Mass. – September 27, 2005** – The MathWorks today announced its support of the LXI standard by joining the LXI Consortium as an associate member. The MathWorks will provide the Consortium, a non-profit organization dedicated to developing the LXI standard, with its expertise in Model-Based Design and software development tools for test. As a result, test engineers in aerospace and defense, automotive, industrial, medical, and consumer electronics industries who use the LXI standard can now realize the benefits Model-Based Design brings to development and test processes, including reductions in time and cost.

By taking advantage of the proliferation of low-cost, high-performance Ethernet technology, the LXI standard is enabling a new generation of test equipment and strategies for Model-Based Design. With Model-Based Design and software tools from The MathWorks, test engineers using the LXI standard can start with an executable specification, and define their test systems and test vectors in parallel with design and development activities. In addition, they can use the detailed design models to validate their test suites before the system or device being tested is available, shortening their test development time.

“We are thrilled that The MathWorks has joined the LXI Consortium. By contributing its knowledge of Model-Based Design and software development tools for engineers, The MathWorks has recognized the importance of the LXI standard and its impact on the test community,” said Jon Semancik, LXI Consortium. “Model-Based Design is truly a

revolutionary approach that helps engineers cope with the growing complexity of system development.”

LXI is an instrumentation platform based on industry standard Ethernet technology designed to provide modularity, flexibility, and performance to small- and medium-sized systems. LXI's compact, flexible package, high-speed I/O, and reliable measurements meet the needs of engineers. The LXI standard defines small, modular instruments using low-cost, open-standard LAN (Ethernet) as the system backbone. LXI was developed to offer the size and integration advantages of modular instruments without the constraints and cost of card-cage architectures. The standard will evolve to take advantage of current and future LAN capabilities that go well beyond legacy test and measurement connectivity capabilities.

“The LXI standard will enable our users to build faster test and measurement applications to keep up with increasing system complexity,” said Thomas Gaudette, manager, test and measurement at The MathWorks. “Engineers who have already adopted Model-Based Design have experienced the benefits of continuous test and verification, and now users of the LXI standard can do the same as they develop the next generation of test and measurement systems.”

### **About LXI Consortium**

The LXI Consortium is a not-for-profit (501c3) corporation made up of leading companies in the test and measurement industry. The group's goal is to ensure interoperability and a consistent user experience by developing, supporting, and promoting the LXI standard. Since its announcement in September 2004, many companies have expressed support for a LAN-based T&M standard.

### **About The MathWorks**

The MathWorks is the world's leading developer of technical computing software for engineers and scientists in industry, government, and education. With an extensive product set based on MATLAB® and Simulink®, The MathWorks provides software and services to solve challenging problems and accelerate innovation in automotive, aerospace, communications, financial services, biotechnology, electronics, instrumentation, process, and other industries.

The MathWorks was founded in 1984 and employs more than 1,000 people worldwide, with headquarters in Natick, Massachusetts. For additional information, visit [www.mathworks.com](http://www.mathworks.com).

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