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**FUJIFILM, IMATION, MAXELL, SONY AND TDK PASS LTO ULTRIUM  
GENERATION 4 DATA INTERCHANGE COMPLIANCE TESTING**

*Media Manufacturers to Support LTO 4 and the Ultrium Format's Security, Performance  
and Capacity Enhancements*

**SILICON VALLEY, May 7, 2007** – HP, IBM and Quantum, the three technology provider companies (TPCs) for the Linear Tape-Open (LTO) Program, today announced that five companies – FujiFilm, Imation, Maxell, Sony and TDK – have passed LTO Ultrium format generation 4 data interchange compliance testing. Completion of this testing signifies that each company has earned the right to use the LTO Ultrium format generation 4 trademark on their LTO tape products.

“The LTO Program is based on the premise of open-standards technology and data interchange between competing LTO tape products, so achieving successful results in the compliance testing phase is a substantial step forward for the LTO Ultrium generation 4 format as well as the products of the individual licensees,” said Bob Wilson, Vice President, Nearline Storage Division, HP. “Verifying compliance with the data interchange specifications is essential to the success of the LTO Ultrium format as it allows businesses to choose among multiple vendors to select the media that meets their needs.”

The LTO Program requires that all licensees pass a series of compliance verification tests that call for rigorous data interchangeability testing before being issued a license and the right to use the trusted LTO Ultrium trademark. Compliance testing of all Ultrium products is completed annually to ensure that all manufacturers adhere to the LTO Ultrium format specifications. Buyers seeking Ultrium format-compliant products look for the LTO Ultrium format trademark logo on both tape drives and data cartridges when reviewing backup and archiving solutions.

The new LTO Ultrium format generation 4 brings numerous advantages over the preceding generation, doubling physical storage capacity by delivering up to 1.6TB (assuming 2:1 compression) per cartridge. Transfer rates are also improved to allow generation 4 to reach speeds up to 240MB per second from up to 160MB per second in generation 3 (assuming a 2:1 compression).

LTO Ultrium generation 4 also continues to offer WORM (Write-Once, Read-Many) functionality that debuted in generation 3 products, providing a cost-effective means for storing data in a non-rewriteable format to help address compliance needs. For additional security, generation 4 supports 256 Bit AES-GCM encryption capabilities at the tape drive level that are designed to enable the writing of encrypted data to the LTO Ultrium tape cartridge, helping to protect information on the tapes during storage and transportation.

LTO Ultrium generation 4 provides for drives with backwards-compatible read-and-write capability to store and retrieve non-encrypted data with the Ultrium format generation 3 cartridges, and backward read capabilities with generation 2 cartridges, to help protect the investment customers have made in LTO technology.

### **How to License LTO Ultrium Technology**

The LTO program offers several different license packages – from enhanced packages that provide the specifications and licenses to manufacture Ultrium products, to basic packages, providing Ultrium format specifications and guidelines for interchangeability.

Buyers seeking Ultrium format-compliant products should look for the Ultrium format compliance verification trademarks on both tape drives and data cartridges. Storage and media manufacturers interested in licensing LTO technology may obtain information by contacting the LTO Program through [www.ultrium.com/contact.html](http://www.ultrium.com/contact.html).

### **About Linear Tape-Open (LTO) Technology**

LTO technology is a powerful, scalable, adaptable open tape format developed and continuously enhanced by technology providers HP, IBM Corporation and Quantum Corporation (and their predecessors) to help address the growing demands of data protection

in the midrange to enterprise-class server environments. This ultra-high capacity generation of tape storage products is designed to deliver outstanding performance, capacity and reliability combining the advantages of linear multi-channel, bi-directional formats with enhancements in servo technology, data compression, track layout, and error correction.

The LTO Ultrium format has a well-defined roadmap for growth and scalability. The roadmap represents intentions and goals only. There is no guarantee that these goals will be achieved. Compliance verification is vital to meet the free-interchange objectives that are at the core of the LTO Program. Ultrium tape mechanism and tape cartridge interchange specifications are available on a licensed basis. For additional information on LTO technology, visit the LTO Program Web site at [www.ultrium.com](http://www.ultrium.com).

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*Note: Linear Tape-Open, LTO, the LTO logo, Ultrium, and the Ultrium logo are trademarks of HP, IBM and Quantum in the US and other countries.*