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**LTO PROGRAM TO INCLUDE ENCRYPTION CAPABILITIES IN NEXT GENERATION OF  
ULTRIUM TAPE DRIVE TECHNOLOGY**

**SILICON VALLEY, CALIF. — (April 17, 2006) —** HP, IBM and Quantum, the three technology provider companies (TPCs) for the Linear Tape-Open (LTO) Program, today announced plans to provide encryption capabilities for LTO Ultrium generation 4 tape drive technology specifications, slated for later this year.

LTO Ultrium generation 4 tape drive technology is planned to feature encryption capabilities designed to help users address security concerns by enabling the writing of encrypted data to the LTO Ultrium tape cartridge and the management of encryption keys to help protect the storage and transport of sensitive information.

“Storage professionals have indicated the need for advanced encryption tools that can help them better protect the data for which they are responsible,” said Cindy Grossman, Vice President, Tape Storage Systems, IBM. “As standards become more stringent and security concerns more prominent, the LTO Program continues to innovate and provide the forward-looking solutions that storage managers demand.”

In addition to the planned encryption capabilities, the LTO Ultrium generation 4 roadmap calls for cartridge capacity to reach up to 1.6 terabytes and data transfer rates of up to 240 megabytes per second (assuming 2:1 data compression). LTO Ultrium Write Once, Read Many (WORM) capabilities that are currently available with generation 3 products are currently planned for generation 4, providing for a cost-effective means for storing data in a non-rewriteable format to help address compliance requirements.

**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 at [LTOinquiry@fleishman.com](mailto:LTOinquiry@fleishman.com).

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

LTO technology is a powerful, scaleable, adaptable open tape format created 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).

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.

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