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**Linear Tape-Open (LTO) Technology Continues Licensee
Momentum with Signing of Fujitsu and Quantegy**

Second LTO Licensee Meeting Witnesses Broadening Industry Participation

SILICON VALLEY, Calif., Oct. 21, 1998 — Hewlett-Packard, IBM and Seagate, the technology providers of Linear Tape-Open (LTO), today announced that Fujitsu Limited has joined the ranks of the LTO tape mechanism licensees.

Fujitsu has acquired the Ultrium tape mechanism license package, allowing Fujitsu to produce the high-capacity Ultrium tape drives. The companies also said that Quantegy Inc. has acquired the Ultrium tape cartridge license package, enabling Quantegy to manufacture Ultrium tape cartridges.

LTO technology, a powerful, open tape architecture, is setting the stage for a new generation of tape storage products that are expected to surpass current tape capacity and performance benchmarks while maintaining the highest data integrity. The Ultrium

format, one of two formats based on LTO technology, uses a single-reel media with capacities of up to 200GB (100GB native) and data transfer rates of up to 40MB/s (20MB/s native), assuming a 2:1 compression ratio.

The announcements follow the second LTO Manufacturers' Group meeting held near Los Angeles. In August, shortly after the group's first meeting, three major media manufacturers, EMTEC, Imation and Verbatim, announced they had acquired licenses allowing them to manufacture Ultrium tape cartridges.

"Quantegy is pleased to become a licensee of the Ultrium format," said Guy Tadlock, director of technology, Quantegy Inc. "This exciting new format was developed by the leaders in the data storage industry and represents a product that surpasses current capacity and performance while offering an impressive migration path that will maintain its competitiveness well into the future. Quantegy, as one of the leaders in metal particle technology and with over 15 years of manufacturing experience with this type of media, looks forward to developing products that offer superior value and performance for our customers."

Attendees of the second LTO Manufacturers' Group meeting received updates on the Ultrium and Accelis specifications, and compliance verification testing requirements. All attendees have obtained a basic package license or an enhanced package license. In addition to those listed above, other licensees to date include: Accutronics, FCPA Intellistor, Hi/fn, Mountain Engineering II, NEC and Philips Semiconductor.

LTO technology combines the advantages of linear multi-channel, bi-directional formats with enhancements in servo technology, data compression, track layout and error correction code to maximize capacity, performance and reliability. Ultrium is one of two formats based on LTO technology. The other format, Accelis, is a fast-access, dual-reel implementation that is designed to offer data retrieval in less than 10 seconds. Both formats have an identified four-generation roadmap for future capacity and performance enhancements.

Ultrium and Accelis tape mechanism and tape cartridge interchange specifications are available on a licensee basis. For licensing information, contact Ladas & Parry at (213) 934-2300 or by e-mail at LTO_INFO@ladasparry.com.

For additional information on LTO technology, visit the LTO Web site at www.lto-technology.com.

Analysts' Comments

International Data Corp.

"Linear Tape Open (LTO) has been gaining mind share over the last 12 months," said Bob Amatruda, senior analyst for Tape and Removable Research, International Data Corporation (IDC). "Fujitsu's licensing of LTO adds credibility to the effort."

Freeman Associates

"Fujitsu's license lends further dignity to the Ultrium alliance and its objective of a common compatible format executed by multiple manufacturers. Fujitsu has been a respected maker of tape drives for several years and is the leading non-USA

manufacturer of half-inch cartridge drives," said Ray Freeman, president of data storage market analysis firm Freeman Associates.

Dataquest

"Fujitsu's expertise in developing tape drives that use linear recording technology extends back to the early 1980s. The company has marketed and developed multiple generations of half-inch cartridge 3480/90 compatible tape drives and it has several years' experience with magnetoresistive heads. The addition of Fujitsu as the fourth LTO drive licensee, along with the three media manufacturers and three other major storage manufacturers that have signed licenses, provides evidence of the growing industry interest in LTO technology," said Fara Yale of Dataquest.

Contact information: http://www.lto.org/newsroom/tool_directory.html