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SONY LTO ULTRIUM 5 CARTRIDGE APPROVED BY TPCs

Sony`s LTO-5 Cartridge Passes Compliance Testing for High Capacity Storage Media

TORONTO, ON, April 12, 2010 – Sony of Canada Ltd, Storage Media Division is announcing its qualification and approval by the Linear Tape-Open (“LTO”) Technology Provider Companies (“TPC’s”) to use the LTO Ultrium logo after passing compliance verification testing for the fifth-generation LTO Ultrium 5 (LTO-5) data cartridge, which is scheduled for availability this month.

With a compressed storage capacity of 3.0 TB, this new LTO Ultrium 5 cartridge delivers new functionality to support the ever-increasing requirements of today’s data-rich storage environments. Users can now create two partitions within the cartridge, addressing both file control and space management. This feature can help to increase access speed, which is important for storing rich media files. The LTO-5 cartridge adds this feature while still retaining the hardware-based encryption introduced with LTO-4 technology, which helps to protect the storage and transport of sensitive information.

Sony’s new LTO-5 cartridge further builds on the strong performance and reliability improvements achieved in previous Sony LTO generations. Two technologies were developed to achieve these new storage requirements. The first was a newly enhanced super-fine metal particle, which leads to more stable write/read characteristics in a variety of usage environments. The other was a strong binder system with high cross-linking and abrasion-resistance, which increases the durability of the magnetic layer - helping Sony LTO5 cartridges withstand tens of thousands of passes between the head and the tape.

The new LT05 cartridge continues Sony's goal to develop environmentally responsible manufacturing processes. Sony's LTO cartridge shells are manufactured with recycled resin made from regenerated polycarbonate materials disposed by and collected from Sony group companies. This helps Sony reduce virgin resin usage by 95 tons per year.

Sony will also introduce the write once/read many LTO Ultrium5 WORM and 20 piece Library Packs.

Basic Specifications are as follows:

Recording Capacity (Compression *)	1500GB (*3.0TB)	Coercivity (kA/m)	230
Maximum Data Transfer Rate (Compressed *)	140MB/s (*280MB/s)	Electric Resistivity (Magnetic Coating:Ω/sq)	5 x 10*
Tape width (mm)	12.65	Electric Resistivity (Backcoating:Ω/sq)	1x10*
Tape Thickness (μm)	6.4	Built-in IC Memory (Byte)	8192
Tape Length (m)	846	Number of Data Tracks	1280
Magnetic Material	Metal Particle (MP)		
*Compression ratio 2:1 The actual capacity, compression ratio and data transfer rate may vary depending on equipment, software usage, environments and data. 1GB= 10 billion bytes			
Dimensions and Weight		Environmental Requirements	
Cartridge Dimensions (mm)	102.0 x 105.4 x 21.5	Operation Conditions (°F(°C);%RH)	:50~113 (10~45);10~80 *
Weight (g)	203 (cartridge)	Storage Conditions (Short term) (°F(°C);%RH)	: 60~95(16~35);20~80 *
		Storage Conditions (Archive) (°F(°C);%RH)	: 60~77(16~25);20~50 *
		Transportation Conditions (°F(°C);%RH)	: -9~120(-23~49);5~80 *
		*Maximum wet bulb temperature : No condensation at 79°F (26°C).	

Model	Format	Drive Type				
		LTO1	LTO2	LTO3	LTO4	LTO5
LTX100G	LTO1	Write/Read	Write/Read	Read	-	-
LTX200G/ 20LTX200GLP	LTO2	-	Write/Read	Write/Read	Read	-
LTX400G / LTX400W/ 20LTX400GLP	LTO3	-	-	Write/Read	Write/Read	Read
LTX800G/ LTX800W/ 20LTX800GLP	LTO4	-	-	-	Write/Read	Write/Read
LTX1500G/ LTX1500W/ 20LTX1500GL	LTO5	-	-	-	-	Write/Read

*The LTO Technology Provider Companies (TPCs) are Hewlett Packard, IBM and Quantum.

*Linear Tape-Open, LTO, the LTO Logo, Ultrium and Ultrium Logo are registered trademarks of HP, IBM and Quantum in the U.S. and other countries.

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About Sony of Canada Ltd.

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scale. With headquarters in Toronto, sales offices in Vancouver and Montreal and distribution centres in Coquitlam, British Columbia, and Whitby, Ontario, approximately 1,200 employees support a network of more than 500 authorized dealers and 80 Sony Style^(R) retail locations across Canada.

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