



STORAGE VISIONS® 2010

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William Qualls, Global Product Director, Tape Products, Imation

TITLE

Advances in Data Security and Protection for Tape Libraries

ABSTRACT

The amount of data generated in the world continues to double each year. While data storage formats such as hard disk drive, flash, and SSD are increasingly integrated into IT infrastructures, the majority of the world's huge amount of data is still archived on tape cartridges. Ensuring that this critical archived data is monitored and protected amid increasing security and regulatory requirements is a growing challenge for IT managers, whether in a Fortune 1000 company, a government agency, or a mid-size business. The cost to companies resulting from failure to adequately protect data is growing each year. A 2006 report from the Ponemon Institute (2006 Annual Study: Cost of a Data Breach) notes the average cost to companies per lost customer record as a result of a data breach is \$182. Multiply this by the thousands of individual records a company may store, and the financial risk is frightening. This presentation will discuss new and future advances in data monitoring and security for tape libraries, and how to ensure the safe storage and transport of tape archives. Examples will include recent advances in tape health scanning and locking, as well as in tape tracking technologies, including application of RFID (Radio Frequency Identification) technology to media and cases. Further advances such as GSM/GPS satellite tracking technology are enabling secure and efficient monitoring during transportation of data tapes, including real-time location mapping on ground or in the air, and automatic alerts in case of re-routed or opened media cases or significant changes in environmental stability.

BIOGRAPHY

William R. Qualls, Director, Magnetic Tape Business, Imation Corp., has 14 years experience in the data storage industry. He currently oversees Imation's global product management of magnetic tape and new data protection offerings.

Qualls began his career with 3M Company in their Data Storage Products Division in 1995 and continued his career with Imation Corp. when that company was spun off from 3M in 1996. During his career, Will has been involved in the development and launch of new data storage products including DLT, all LTO generations, and T10000. Will has a Ph.D. in Mechanical Engineering from Oklahoma State University. In addition, he has several publications on topic of web handling and holds several patents relating to magnetic tape.