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**IDEMA LAUNCHES “ARE YOU READY?” CAMPAIGN TO PREPARE INDUSTRY
FOR HARD DISK DRIVE SECTOR FORMAT CHANGE**

New Advanced Format Technology Affects All Computing Systems that Use Disk Drives

San Jose, Calif., June 29, 2010 – IDEMA (The International Disk Drive Equipment and Materials Association) today announced the launch of the “Are You Ready?” campaign, an effort to raise awareness in the computer industry about the advances and advantages of long data sectors. IDEMA is the data-storage industry’s trade association dedicated to driving technology standards that support the advancement of data storage. The campaign focuses on helping the computer industry prepare for the transition of hard disk drive (HDD) processing from the historical sector lengths of 512 to 520 byte increments, to increments of 4,096 bytes per sector using a technology referred to as Advanced Format. IDEMA is joined by major hard disk drive manufacturers in the launch and support of the “Are You Ready?” effort.

“Are You Ready?” is a comprehensive campaign providing the computing industry with awareness and tools to prepare for the upcoming transition to Advanced Format technology. This includes a Developer Kit program, educational materials, new Wikipedia entries, and a series of exhibits and events in six cities starting with the Microsoft Partner Conference in Washington D.C. (July 11-15). It also includes a logo program to help customers recognize HDDs with Advanced Format capabilities.

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Advanced Format is used by hard disk drive manufacturers to support increased storage capacities while maintaining the integrity of the data stored on and processed by hard drives. The transition to 4,096 byte sectors, or 4K, affects all software and hardware components that interact with the HDD. When properly optimized, Advanced Format delivers superior performance to the legacy format that has been in use since 1957; however some software applications and other operations that access the HDD can appear sluggish to users if the system has not been optimized to use Advanced Format. A key goal of the “Are You Ready?” campaign is to provide information and tools so that every part of the computing ecosystem can benefit from the capabilities of Advanced Format.

“IDEMA identified the need to move to long data sectors in 2000, and has since been working with the hard drive community to define the standards to support widespread adoption of the technology,” stated Mark Geenen, Chairman of IDEMA. “Having achieved definition and initiation of the supporting standards earlier this year, the next logical step was for IDEMA and the HDD vendors to implement the technology. That is the objective of the ‘Are You Ready?’ campaign,” he stated.

While some of the hard disk drive manufacturers have already begun shipping Advanced Format drives, all manufacturers plan to change the formatting of the data stored on the media to increments of 4K bytes per sector using Advanced Format technology starting January 2011. To easily identify HDDs using Advanced Format sectors, IDEMA has sponsored the “AF” logo program as part of the “Are You Ready?” campaign.

“The move to 4K byte sectors is vital for the HDD industry to continue increasing HDD capacities and achieve reliability and price points that customers expect,” stated John Rydning,

research director for hard disk drives at research firm, IDC. “The effort that IDEMA and the HDD OEMs are undertaking to launch the Advance Format campaign is important. It will help to educate both customers and end-users on the change to 4K byte sectors, and ensure a smooth transition to this technology.”

Where to Find More About the “Are You Ready?” Campaign

As part of the campaign, IDEMA and HDD suppliers authored two Wikipedia entries; [Advanced Format](#) and [Disk Sector](#), which describe and explain Advanced Format technology with information and illustrations. “With awareness as a key tenet of the campaign, we saw Wikipedia as an opportunity to combine the industry’s knowledge and expertise to educate the public about this significant technology,” stated Geenen.

Following the Microsoft Partners Conference in July, the “Are You Ready?” campaign will be participating in exhibits in Tokyo, Silicon Valley, San Francisco, Dallas, and Orlando.

About IDEMA

The International Disk Drive Equipment and Materials Association, founded in 1986, is the global trade group for the \$45 Billion storage device industry. With offices in San Jose, Tokyo, and Singapore, IDEMA hosts premier trade shows, conferences, and symposia on storage technologies and markets and is the mainstay of industry technical standards and marketing initiatives. www.idema.org

About Hitachi Global Storage Technologies

Hitachi Global Storage Technologies (Hitachi GST) develops advanced hard disk drives, enterprise-class solid state drives, and innovative external storage solutions and services used to store, preserve and manage the world’s most valued data. Founded by the pioneers of hard drives,

Hitachi GST provides high-value storage for a broad range of market segments, including Enterprise, Desktop, Mobile Computing, Consumer Electronics and Personal Storage. For more information, visit the company’s website at www.hitachigst.com.

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. is a global leader in semiconductor, telecommunication, digital media and digital convergence technologies with 2008 consolidated sales of US\$96 billion from seven independently operated business units; Visual Display, Mobile Communications, Telecommunication Systems, Digital Appliances; IT Solutions, Semiconductor and LCD. Recognized as one of the fastest growing global brands, more details about the company are available at www.samsung.com.

About Seagate

Seagate is the worldwide leader in the design, manufacture and marketing of hard disc drives, providing products for a wide-range of applications, including Enterprise, Desktop, Mobile Computing, Consumer Electronics and Branded Solutions. Seagate’s business model leverages technology leadership and world-class manufacturing to deliver industry-leading innovation and quality to its global customers.

About Toshiba Storage Products Company

Toshiba is a one-of-a-kind global storage company, offering hard disk drives (HDDs), optical disk drives (ODDs), solid state drives (SSDs) and NAND flash memories – technologies that drive a wide range of consumer electronics, computer and automotive applications as well as enterprise solutions for the global marketplace. Inherent in the Toshiba storage family are the high-quality engineering and manufacturing capabilities that have established Toshiba products

as innovation leaders worldwide. For more information, visit www.toshibastorage.com.

About Western Digital

WD, one of the storage industry's pioneers and long-time leaders, provides products and services for people and organizations that collect, manage, and use digital information. WD applies its storage expertise to consumer products for external, portable and shared storage applications. Further information about WD is available at www.westerndigital.com.

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