Chairmen's Letter To The Membership

Hello 1394 Trade Association Members,

And happy holidays. We are pleased to announce that the Trade Association is ready to enter its 20th year of operations, a milestone few active trade associations can match. As we enter the new year, we look forward to continued adoption of the 1394 standard in many exciting and innovative applications. We are also on the verge of completing the final revisions and edits to the latest version of the standard. We have seen many successes during the past year, including new applications in audio, avionics, storage and other market sectors. Not bad for a maturing technology.

During the coming year we will embark on a new operating model, fine-tuning our membership approach and strategy to better align with a technology that has been deployed in billions of products over two decades. Now, your board of directors is working to 'right size' the 1394TA to match the coming opportunities. Our goal as your officers is to reorganize the 1394TA to better meet the challenges and opportunities ahead. During the next few weeks you will be asked to vote on new Bylaws that will allow a new structure featuring no fees for membership. Like the IEEE, SAE and other organizations, membership will shift from corporate participation to individual memberships. By simply agreeing to the new bylaws and registering with the 1394TA, any individual may become a member. All members will still have access to many existing 1394TA documents, specifications, presentations, and other documents, and will continue to be encouraged to participate in 1394TA working groups and other 1394TA activities.

Additionally, a new 1394TA website will be unveiled soon. The new website is designed to better support the new 'no fee' individual membership structure while providing access to almost all existing 1394TA materials.

So what does this mean to you and your company's participation in the 1394TA?

- The 1394TA will not send any invoices for 2014 membership dues.
- Existing members, both corporate and individual, will be asked to vote on the new Bylaws.
- If the new Bylaws are approved, current corporate members are encouraged to have their employees register and become members with the 1394TA at no cost.
- Companies can continue to participate in 1394TA working groups, specification development, marketing and other activities through employee memberships.
- Companies can continue to have access to 1394TA documents and information through employee memberships
- The 1394TA will continue to operate in its 'right-sized' mode and continue to liaise with relevant organizations and trade groups working on similar standards development.

We at the 1394 Trade Association are excited to usher in this new chapter of the 1394TA and we encourage each one of you to vote on the new Bylaws and once approved, register for your free individual membership.

Sincerely, Richard Mourn

Chair, 1394 Trade Association
Richard@daptechnology.com

SAE AS-1A3 Mil 1394 Task Group Kicks Off

The SAE AS-1A3 Mil 1394 Task Group kick-off meeting was held October 22-23 in Portland, Maine. The group had been meeting bi-weekly by WebEx for several months in preparation for this face-to-face session, at which the group reopened the following documents for Task Group work:

- AS5643: IEEE-1394b Interface Requirements for Military and Aerospace Vehicle Applications – Editor Floyd Fazi

- AS5643/1 Slash Sheet: S400 Copper Media Interface Characteristics Over Extended Distances – Editor Tom Pendleton

- ARP5654: IEEE-1394b for Military and Aerospace Vehicles – Applications Handbook – Editor Rob Clement

- AS5706: Test Plan/Procedure for AS5643/1 S400 Copper Media Interface Characteristics Over Extended Distances – Editor Richard Mourn

- AS5657: Test Plan/Procedure for AS5643 IEEE-1394b Interface Requirements for Military and Aerospace Vehicle Applications – Editor Richard Mourn

Led by David Leverich of Northrop Grumman, the task group also discussed adding two new slash sheets; S100 and S200 copper to go along with the existing S400 slash sheet and a second for optical fiber. The group agreed to start the S100, S200 slash sheet and continue to investigate a fiber optic solution.

The Task Group chair is Floyd Fazi of Lockheed Martin, Vice Chair is Richard Mourn from DapTechnology, and the group's secretary is Robert Clement from BAE Systems.

The group plans to continue meeting biweekly by WebEx until the next face-to-face meeting, which is scheduled for April 14-17, 2014 in Santa Barbara, CA.

More Progress on the 1394 Spec Update

The Silicon Working Group has been compiling an update to the IEEE 1394-2008 specification for more than a year. This document includes corrections, clarifications, updates, and enhancements to the specification. The IEEE at the start of the process approved a PAR (Project Authorization Request) to revise the IEEE 1394-2008 standard. When the TA document is finalized this fall, it will be used as input to the IEEE revision process. The new version of the standard will be finalized during the first half of 2014.

New FireWire-Equipped Products and Systems

Computers and Storage

The **CalDigit** AV Pro is a single drive solution that is designed to evolve as the storage demands of its users expand. AV Pro is that it can accept regular 3.5" HDDs, as well as the faster, more secure 2.5" SSDs. When it comes to storage capacity, the AV Pro can store a huge amount of data for such a small device. With a regular 3.5" HDD installed the AV Pro can store up to 4TB of data, and with an SSD installed it will be available in capacities up to 480GB.

The AV Pro has been optimized for audio and video, making it an excellent companion for professional Audio and Video software. http://www.caldigit.com/avpro/

The Newer Technology miniStack MAX puts the diverse functionality of a high-capacity hard drive, Blu-ray/CD/DVD optical drive, SD card reader and USB powered hub into a single elegant aluminum finish enclosure. A perfect compliment for ANY Mac or PC, yet sized to match the footprint of the Mac mini, miniStack MAX offers fully bootable data storage/backup along with three USB ports for powering and charging external devices.

An integrated SD card reader (SDXC) conveniently located on the front of the drive makes transferring photos and video from digital cameras easy. Plus, an internal optical drive offering DVD/CD read/write and choice of Blu-ray read only or Blu-ray read/write capabilities completes your digital workflow needs without adding extra cords and clutter. Prices start at $219.00. http://eshop.macsales.com/shop/ministack_max

Sonnet has introduced he Tango 3.0 PCIe card, which includes three external FireWire 800 ports designed to extract maximum performance from fast external drives, DV camcorders, and digital audio interfaces to deliver maximum data transfer speeds and satisfy the demands of video and pro audio application work, where high-speed and high-bandwidth data throughput are essential. Each FireWire provides 1A of power to connected devices.

Tango 3.0 PCIe installs easily into one of a computer's PCI Express® (PCIe) slots, features hot-pluggable and hot-swappable device connection support with automatic device configuration, and works with all industry-standard USB 3.0, USB 2.0, FireWire 800, and FireWire 400 (with adapter) peripherals.
http://www.sonnettech.com/product/tango3pcie.html

Audio

With a powerful user interface, unrivaled sound quality, DSP performance, direct Wi-Fi and LAN communication, onboard FireWire s800 interface, and tightly integrated software suite for Mac®, Windows®, and iOS®, StudioLive™ **Presonus'** AI-series digital mixers create a streamlined working environment for live and studio use. Each includes four programmable, 32-bit, stereo DSP effects engines—two of them loaded with reverbs and two armed with delay effects.

Redesigned from the ground up, the mixers provide analog workflow with extensive dual signal processing on every channel and bus and actively integrated software that solves real-world problems and lets users record and distribute mixed sessions. Configurable networking and communications option cards ensure users' investments won't be outdated as new technologies emerge. With StudioLive AI-series mixers, customers get graphic EQ on every aux bus and on the mains—all at the same time. Each graphic EQ has an A/B option, so users can boost the bass for a rock band and then switch over to a "smiley face" for intermission program music.

By connecting to VSL-AI over a FireWire connection, users can apply the Smart Spectra™ Spectrograph and RTA and StudioLive EQs to quickly kill feedback building up in floor wedges.
http://www.presonus.com/products/StudioLive-AI-Series

New Article from TA Highlights Benefits of AS5643 with 1394

The 1394 Trade Association has published a comprehensive new article detailing the benefits of a pair of innovative standards for advanced high performance avionics applications.

Developed and written by Richard Mourn, chairman of the 1394 Trade Association, the new article describes how the AS5643 and 1394 (FireWire) standards were brought together by engineers to define a complete vehicle system network on the F-35 and X-47B systems.

Avionics Intelligence, a member of the Aerospace and Defense media group at Pennwell Publishing, which also publishes Military and Aerospace Electronics Magazine, has published the article. Entitled "SAE AS5643 and IEEE1394 Deliver Flexible Deterministic Solution for Aerospace and Defense Applications," it can be accessed at the following website: http://digital.pennwell.com/pennwellsupplements/avionicsintelsupp2?pg=22#pg22

It is also on the Trade Association website at http://www.1394ta.org

Mourn is an industry veteran who is currently Vice President of Systems Engineering at DapTechnology N.V., an international developer of test and measurement systems and products. He is a long time member of the 1394 Trade Association board of directors.