

STA T10 Update

Nov. 11, 2004

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Plugfest Update-Overview

- Plugfest Nov. 1-5, 2004
 - 22 companies
 - >100 attendees
 - Largest plugfest held to date at UNH
 - Very pleased with results
 - Feedback for T10
 - 4 wide external connector (wide port) on subsystems specifications need to be clarified in SAS 1.1
 - Icons (or some other method) needed to identify device connection types (end device, subtractive routing port, table routing port, routing table entries used)
- Next plugfest late April '05?
 - Looking for feedback
- UNH SAS consortium
 - Provides additional testing capability beyond plugfest
 - Especially PHY area for backplanes, etc

6 Gb/sec update

- Presentation by HP
 - SAS/SATA 6Gb will probably be linked with PCI express Gen 2 ('06-'07 timeframe)
 - Two alternatives:
 - Disk drive make the transition to 6Gb at same time or:
 - Add multiplexing streams to expanders so disks can stay at 3Gb until sequential transfer rates necessitate change
 - Is Phy power management needed?
 - How to make sure SATA and SAS Phys remain compatible
- STA actions
 - STA board will send a letter to PCI SIG to encourage next step to be 6.25 Gb./sec instead of 5.0Gb/sec
 - Will develop position statement for T10 on 6Gb and other SAS 2 parameters
 - Develop a framework to ensure compatibility of SATA/SAS phys