1394 Mass Storage Device Standard

Pete McLean
Maxtor Corporation
2190 Miller Drive
Longmont, CO 80501
303 678-2149
pete_mclean@maxtor.com
SBP-2

• Transport layer for 1394
• Device type independent
• Command set independent
• Optional features
  – E.G., Secure Login
• Device type specific info
  – E.G., command_set_spec_ID
1394 Mass Storage Device

• Provides the same function as Serial Storage Architecture does for SSA

• Body of the document describes requirements for all mass storage devices

• Normative annexes describe storage device type unique requirements
  – Hard disk
  – CD/DVD
1394 Mass Storage Device Content

• Definition of CSR’s to be implemented
  – 1394 Core CSR’s implemented
  – SBP-2 CSR’s implemented
  – Power Management CSR’s implemented
1394 Mass Storage Device Content

• Definition of Data Structures to be implemented
  – CDB to ORB mapping
  – Command set dependent status block content
  – Unsolicited status
  – Login password management and security model
1394 Mass Storage Device Content

- Device type specific Configuration ROM entries
  - Defines specific content of unit_directory
  - Defines content of unit_power entries
1394 Mass Storage Device
Content

- Command set definition
  - Defines commands required from MMC-2 and SBC
  - Defines mode pages required
  - Defines sense keys required