X3T9.2/91-55

DRAFT DETAILED CHARTER FOR THE IEEE DISK ATTACH WORKING GROUP

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1) General Objective of Committee

To develop an industry standard or standards which defines a scalable architecture for direct access storage. The result would be a single architecture allowing users to configure systems covering a wide range of cost performance tradeoffs by utilizing standardized storage modules scaled to meet specific performance requirements.

2) Device Types

- rotating magnetic storage
- compatibility to solid state memory modules

3) Device Characteristics

- non-removable media/removable device/hot plugging
- small
- direct physical mounting (no cables)

4) Application Areas

- High Performance Systems
  - High transfer rate and/or I/O per second
- High Volume Systems
  - Minimize costs of a system that includes at least one device
- Portable Systems
  - Minimize system size, weight, power
- Embedded
  - Easy integration into non-computer applications

5) Interface Layers

- Mechanical Mounting - Cooperate with PCMCIA removable/SFF non-removable
  - Footprint
  - Retention
  - Connector
- Electrical
  - Pinout
  - Signal Timings
- Logical
  - Device configuration and special registers
  - Read/Write of User Data and Control Data
  - Imitation of other interfaces (SCSI/ATA)