SAM - Addressing Proposal - Rev1

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Externally Addressable Objects

- SCSI Initiator ──┐
- SCSI Target ─────┴─── SCSI Device
- Logical Unit
- Target Routine
- I/O Process

Proposed Address Formats

- SCSI Device I/D
  - Length: 64 Bits
  - Contents: Transport-Specific
- Logical Unit Number (LUN)
  - 64-bit field - binary-encoded
  - Target Routine Distinction eliminated
- I/O Process
  - Queue Tag n byte (optional)

Object Addresses

Logical Unit I/D = Target Device I/D +
LUN/TRN Flag (1)
+ LUN/TRN I/D
LUN

Target Routine I/D = Target Device I/D +
LUN/TRN Flag (0)
+ LUN/TRN I/D

I/O Process I/D = Initiator Device I/D +
Target Device I/D +
Logical Unit I/D +
Target Routine I/D +
Queue Tag (optional)

Other Proposals

- Target Device I/D ≈ Initiator Device I/D?

  – How would Asynchronous Event Notification work?

- Length of Device I/D = 96 bits (12 bytes)?

- Queue Tag length = 32 bits?

- Configuration discovery:

  – Devices - Transport-specific

  – Logical Units - Transport specific, with common method for packetized protocols ?

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