SAM - Addressing Proposal - Rev1

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October 12, 1992

Externally Addressable Objects

- SCSI Initiator
- SCSI Target
- 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 = LUN (optional)

Object Addresses

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

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 protocolized protocols?