SAM Status

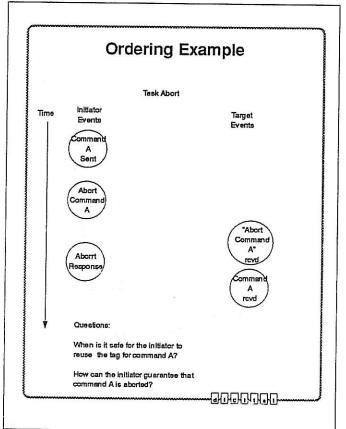
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Summary of Changes

- Added Annex B, Document Editing History
- Editing changes from May 1993 working group.
- Proposed technical changes.

Proposed technical changes

- Strict sequentiality required for initiator requests and target responses.
 - Previous requiremen (section 5.6.1):
 "Each SCSI protocol standard shall define some means for an initiator to control the exact order in which its requests will be delivered to the logical unit."
- Modified requirement (Section 5.6):
- "An implementation shall guarantee that for a given pair of source and destination devices, all service delivery transactions are received in the order in which they were sent".
- Necessary to insure that:
 - Initiator-specified task ordering is preserved.
 - Abort functions work correctly.





Technical Changes (Con't)

- Only one pending task management function allowed.
- Previous requirement (section 5.7.3.1):
 - "An implementation may allow an initiator to have more than one pending taks management request per logical unit".
- Modified requirement (section 5.7.3.1)
 - "An implementation shall not allow an initiator to have more than one pending task management request per logical unit"
- Rationale:
 - If a task management request falls, there is no way for the initiator to intervene by aborting or canceling other pending functions prior to execution.

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Technical Changes (con't)

- Added "Command Complete" and "Function Complete" as protocol-specific target responses.
- Protocols must specify the conditions or sequence of events comprising these responses.
- "Command Complete" Returned by the target to notify the initiator that an SCSI command has finished.
- "Function Complete" Returned by the target to notifythe initiator that an SCSI task management function has completed.
- Rationale:
- Need to map Command Complete and Function Complete conditions to protocol-specific events.

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Technical Changes (cont)

- Clause 6.6.6 Added requirement for all protocols to define a mechanism for AEN delivery.
 - Rationale:
 - AEN is useless unless supported by all protocols.
 - Without support by all protocols, porting a device implementation that uses AEN to another protocol may be difficult if not impossible.
- Clause 7.5 Delegated requirement for duplicate tag checking to protocol specification
 - Rationale:
 - Large tag address space supported by some protocols makes duplicate tag checking impractical.