To: T10 Membership
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Subject: Flow Control
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Flow Control

Future host side interfaces require a pre-fetch indicator in order to optimize the data movement on the SCSI bus. The solution is to define the P(0) signal as the pre-fetch indicator during packet protocol.

The pre-fetch signal is driven in an opposite direction to data flow. On a write operation the target asserts the signal to indicate the last data information unit for this logical connection is being transferred. The initiator then knows not to pre-fetch any more data from host memory beyond the current information unit.

On a read operation the initiator asserts the signal to indicate the transfer should stop at the end of the current data information unit being transferred.

The pre-fetch indicator is asserted prior to the mid-point of the data information unit less the offset count. For example if the data length is 2048 and the negotiated offset is 64, then the pre-fetch indicator is asserted prior to the 240th DT transfer starting.

Continue I/O Process Task Management Flag

Add a task management flag to request a Continue I/O process function. This function is the same as the CONTINUE TASK message used to perform – the target treats the task as a dynamic head of queue request.