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To: T10 Technical Committee
From: Bill Galloway
Subj: SAS XFER_RDY Rules**9.2.2 Information unit sequences**

Initiator ports may send COMMAND and TASK IUs unsolicited.

Target ports shall only send XFER_RDY IUs while processing a write or bidirectional command. Initiator ports shall only send DATA IUs in response to an XFER_RDY IU. Target ports **may shall not** send an XFER_RDY IU before receiving all write data for the previous XFER_RDY IU.

9.2.3.3 XFER_RDY information unit

Table 59 defines the transfer ready IU. The XFER_RDY IU is sent by a target port to request write data from the initiator port.

Table 59. XFER_RDY information unit

Byte	7	6	5	4	3	2	1	0
0	RELATIVE OFFSET							
3								
4	Msb	WRITE DATA LENGTH						Lsb
7								
8	Reserved							
11								

The WRITE DATA LENGTH field indicates how many bytes of write data the initiator port may send to the logical unit (using DATA IUs). If the value in the MAXIMUM BURST SIZE field in the Disconnect-Reconnect mode page is not zero, the value in the WRITE DATA LENGTH field is constrained by the value in the MAXIMUM BURST SIZE field (see 10.1.1.4).

The RELATIVE OFFSET field is reserved for future standards. Target ports shall set this field to a value of 0xFFFFFFFF to indicate that no relative offset is present.

10.1.1.1.5 FIRST BURST SIZE field

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If the amount of data to be transferred for the command is less than the amount of data specified by the FIRST BURST SIZE field, the target port shall not transmit an XFER_RDY information unit for the command. If the amount of data to be transferred for the command is greater than the amount of data specified by the FIRST BURST SIZE field, the target port shall **request additional data for the command by sending XFER_RDY information units to the initiator port send a XFER_RDY information unit after it has received all of the data specified by the FIRST BURST SIZE field from the initiator.** All data for the command need not be transferred during this connection.