To: X3T10 Members

From: Steve Finch, Silicon Systems

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Subject: Minor Errors in SPI -- Re: Skew Delay

While reading through the SPI document and studying it in regards to SCAM and Ultra SCSI, I noted the following minor errors:

1. The term "skew delay" is used in a number of places, but is never defined. What is defined is "system skew delay".

2. The value for "system skew delay" changes based upon the negotiated transfer rate. Yet this delay is part of the Selection and Reselection process. Does this mean that the timing sequence of a Selection could change once the transfer rate has been negotiated? I think not.

The resolution to these two problems is to separate the variable "transfer skew delay" from the "system skew delay", and eliminate the use of the unqualified term "skew delay". "Transfer skew delay" can changed once the transfer rate has been negotiated. The "system skew delay" must be fixed regardless of the transfer rate. "Transfer skew delay" would apply only to the Data In and Data Out transfers where skew delay is currently specified, and "system skew delay" would apply to all other transfers, events, etc., where skew delay is specified.