



Maxtor Corporation
500 McCarthy Boulevard

Milpitas, CA 95035 USA

To: T10 SAS Protocol Working Group

Contact: Mark Evans

Phone: 408-894-5310

Email: mark_evans@maxtor.com

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Subject: SAS-1.1, phy reset problem count clarification

Introduction

The phy reset problem count is intended to count one specific type of problem that occurs during the phy reset sequence, i.e., the number of times the "...phy does not obtain dword synchronization during the final speed negotiation window..." (see 6.6.4.2 SAS speed negotiation sequence). However, the description of the field in 10.4.3.6 REPORT PHY ERROR LOG function is not as specific as it might be. The following proposal clarifies the description of this counter. This proposal is based on SAS1r05.

Change the description of the field in 10.4.3.6 REPORT PHY ERROR LOG function to be as follows:

The PHY RESET PROBLEM COUNT field indicates the number of times the phy did not obtain dword synchronization during the final speed negotiation window during a phy reset sequence ~~has failed~~ (see 6.6.4.2). The count shall stop at the maximum value.