

6 September 2006

06-408r0 Race condition out of SP12:SAS\_Fail state

To: T10 Technical Committee

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Subject: 06-408r0 Race condition for transition out of SP12:SAS\_Fail state

- \*. Specification revision: sas2r05a
- \*. Page Number: 220
- \*. Section: 6.8.4.8
- \*. Layer: Phy Layer
- \*. Issue Description: In the case when SAS Speed negotiation window for the highest supported speed is successful, after the maximum speed negotiation window (highest supported speed plus one) fails, the following two transitions become valid resulting in race condition.
  - 1) Transition SP14:SAS\_Fail to SP1:OOB\_AwaitCOMX
  - 2) Transition SP14:SAS\_Fail to SP8:SAS\_Start

Proposed fix:

Change the following in section 6.8.4.8.2

"the maximum SAS speed negotiation window; or " TO

"the maximum SAS speed negotiation window and the previous speed negotiation window was not successful;"