

To: T10 Technical Committee
From: Robert Sheffield (Robert.L.Sheffield@intel.com), Intel Corporation
Date: October 23, 2002
Subject: T10/02-434r0, SAS New OPEN_REJECT Primitive

Revision History

Revision 0 (October 23, 2002) first revision

Related Documents

SAS-r02b – Serial Attached SCSI revision 02b.

Overview

This proposal defines a new OPEN_REJECT primitive to facilitate expander, initiator and target handling of environments involving mixed link rates in wide-link implementations.

Suggested Changes

Define a new primitive, OPEN_REJECT (LINK RATE TOO HIGH), to signal the OPEN Address Frame originator that every currently available pathway to the destination traverses a link with a negotiated link rate less than the requested end-to-end link rate.

Primitive	Encoding
OPEN_REJECT (LINK RATE TOO HIGH)	K28.5, D29.7, D02.0, D30.0

If the requester retries the connection request at a lower link rate, the requester shall not clear the Arbitration Wait Timer but shall specify the current value in the retry OPEN Address frame. The requester shall not increment the PATHWAY BLOCKED counter.