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To: Serial Attached SCSI Protocol Working Group
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Subject: SAS SSP target transport layer state machines

Introduction

The following figure was presented at the SAS working group on Tuesday, July 16, 2002, in Colorado Springs. However, the approach on which this figure was based (also used for the SAS SSP initiator transport layer state machines in 02-230rx) was changed significantly to be more consistent with the SAM layering model. A subsequent proposal is being generated to reflect these changes. This proposal is so that material presented at the working group is available (though now obsolete).

Task Router

ST_TR:Task_Router

Frame Received

Task, Data, or Task Management Function

Task Set Full

Accept_ Reject OPENs

Connection Closed

Task Manager

ST_TM:Task_Manager

Task Set Full

Task

Task Complete

XFER_RDY Sent

Logical Unit

Task or Data

ST_DS1:Send

ST_DS3:Receive _Data

ST_DS2:Prep_ Send_Data

ST_DS4:Process_ Receive_Data

Transmission Failed

ST_DS5:Prep_ Response

Transmit Frame

Transmission Status

Cancel

Cancel Acknowledge

NAK Received

ACK Received

ACK/NAK Timeout

Connection Closed

Device Server