TO: T10 Membership
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SUBJECT: T10/06-061r0, ADC-2 Model for Devices with No ADT Ports

06-061 Revision 0

- Initial revision

General

The model section of ADC specifies that DT and Automation devices would include an ADT port. This is an unnecessary restriction, since the automation application client can communicate with the ADC device server via any SCSI port, such as USB or even a primary port.

Changes

These changes are with respect to ADC-2 revision 3.

3.1.9 automation device primary port: A SCSI target or target/initiator port in an automation device.

4.2.1 Automation/drive interface overview

…
An automation device contains:
…
d) ~~An~~ Zero or more ADT ports (see 3.1.3), through which the automation application client invokes commands or task management requests on the ADC device server in the DT device. If there is no ADT port, then the automation device shall contain at least one automation device primary port which is a SCSI target/initiator port, or at least one SCSI initiator port and at least one automation device primary port which is a SCSI target port (see SAM-3).

…
A DT device contains:
…
e) An optional ADT port, through which the device servers contained within the DT device may receive commands or task management requests.

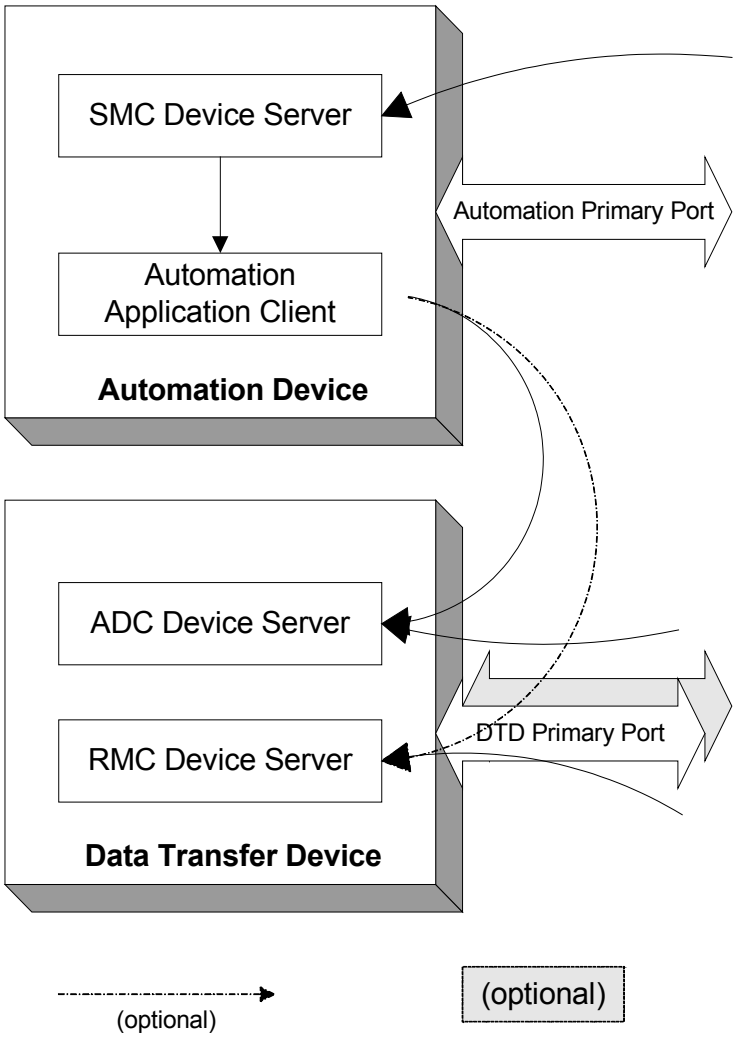
4.2.2 Device server interaction

Following the second paragraph add these two paragraphs:

Instead of the ADT ports shown in figures 2 and 3, the automation and DT devices may use alternate SCSI port types, such as USB or iSCSI. The ADC device server shall be accessible as a logical unit through the alternate port. The RMC device server should be accessible as a logical unit through the alternate port, and may be an asymmetric logical unit (see SAM-3).

Figure n shows an automation device and a DT device similar to those in Figure 3, but without any ADT or alternate ports. The application clients and device servers communicate via the primary ports, with at least one automation primary port being a SCSI target/initiator port. If enabled (see 6.2.2.4.2), the RMC device server shall be accessible as a logical unit through the DT device primary port. The ADC device server shall be accessible as a logical unit through the DT device primary port. There is no need for a local SMC device server, because the SMC device server is directly accessible via the automation device's primary port.

Add following Figure 3:



Device server model without ADT or alternate SCSI ports

Figure n