



After requesting that an RDMA channel be disconnected or after being notified that an RDMA channel has been disconnected, an SRP target port shall:

- a) Abort all outstanding SCSI tasks that were contained in SRP\_CMD requests received on that RDMA channel, without returning a response;
- b) Discard any other SRP initiator requests that are outstanding on that RDMA channel, without returning a response;
- c) Not send any further messages on that RDMA channel; and
- d) Discard any subsequent messages received on that RDMA channel.

### 5.1.3 Single RDMA channel operation

An SRP initiator port may specify single RDMA channel operation during login. If an SRP target port accepts such a login, it shall:

- a) Attempt to send an SRP\_T\_LOGOUT request on any established RDMA channel that specified the same SRP initiator port identifier. The reason code shall indicate that the channel was disconnected due to a MULTI-CHANNEL ACTION code in a new SRP\_LOGIN\_REQ;
- b) Request disconnection of any established RDMA channel that specified the same SRP initiator port identifier (see 5.1.2); and
- c) Reject any other RDMA channel establishment requests it has received that specified the same SRP initiator port identifier and that the SRP target port has not yet accepted.

Following acceptance of a login specifying single RDMA channel operation that single RDMA channel shall be used for all communication between the specified SRP initiator port and SRP target port. Subsequent logins specifying other modes of operation, if accepted, may allow communication using multiple RDMA channels.

### 5.1.4 Multiple independent RDMA channel operation

An SRP initiator port may specify multiple independent RDMA channel operation during login. An SRP target port shall not accept such a login if doing so would require disconnecting an established RDMA channel with the same SRP initiator port.

Following acceptance of a login specifying multiple independent RDMA channel operation one or more RDMA channels may be used for communication between the same SRP initiator port and the same SRP target port. All such channels are associated with the single I\_T nexus defined by the SRP initiator port identifier and the SRP target port identifier.

When multiple independent RDMA channels are used operation of each SRP request is confined to a single RDMA channel. The sender of an SRP request chooses an RDMA channel to use for sending the SRP request. The sender of an SRP response shall use the same RDMA channel as the SRP request for sending the SRP response. All RDMA operations associated with the SRP request shall also use the same RDMA channel as the SRP request.

While each SRP request is confined to a single RDMA channel, SCSI tasks and task management functions may be conveyed on independent RDMA channels associated with the same I\_T nexus. SCSI tasks and task management functions may interact as specified by SAM-2, SPC-2 and other SCSI command standards. E.g. a SCSI task sent on one RDMA channel may be aborted by an ABORT TASK sent on a different RDMA channel associated with the same I\_T nexus, and reservations obtained or released on any RDMA channel apply to SCSI tasks sent on all RDMA channels that are associated with the same I\_T nexus.

An RDMA communication service may or may not provide any ordering relationship between SRP requests, SRP responses and RDMA operations that use different RDMA channels. If ordering is important for a sequence of SRP requests, they should be sent using the same RDMA channel.