



Following acceptance of a login specifying single RDMA channel operation a single RDMA channel is used for all communication between the SRP initiator port and the SRP target port (the I\_T nexus). Subsequent logins specifying other modes of operation, if accepted, may allow communication using multiple RDMA channels.

EDITOR'S NOTE 2 - Should there be a description here of how commands work? E.g. messages for request and response with RDMA data transfers in the middle? A statement that operation on a single channel is well ordered.

#### **4.1.3 Multiple independent RDMA channel operation**

An SRP initiator port may specify multiple independent RDMA channel operation during login. Acceptance of such a login by an SRP target may or may not affect any established RDMA channel.

NOTE 1 - The intended behavior is that acceptance of such a login has no affect on established RDMA channels. However, target resource limitations may lead to some affect.

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 (the same I\_T nexus).

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 may choose an RDMA channel to use when sending the SRP request. The sender of an SRP response shall use the same RDMA channel as the SRP request when sending the SRP response. All RDMA operations associated with the SRP 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 by those requests on RDMA channels associated with the same I\_T nexus. Such tasks and task management functions may interact as specified by SAM-2, SPC-2 and other SCSI command standards. For example, a SCSI task sent on one RDMA channel may be aborted by an ABORT TASK sent on a different RDMA channel. Reservations obtained or released on any RDMA channel apply to SCSI tasks sent on all RDMA channels that specified the same SRP initiator port identifier and SRP target port identifier during login.

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 request, they should be sent using the same RDMA channel.