

To: T10 Technical Committee
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Subject: SRP MultiChannel Proposal

Revision History

Revision 0: First Revision

Revision 1: Restricted CG0 to a single channel, eliminating sequencing issues.

Removed SRP_LOGIN_REJ, now 10-171r1

Revision 2: Reserving space to support multiple channels in SRP-2

Revision 3: Removed Channel IDs from SRP_CMD (handled by 01-227). Removed Clause 3. Removed names of reserved fields.

Related Documents

T10/SRP-r05 – SCSI over RDMA protocol revision 7

T10/01-028r4 - SRP InfiniBand™ annex

Changes

5.2 SRP_LOGIN_REQ

Table 1 - SRP_LOGIN_REQ additions

Bit Byte	7	6	5	4	3	2	1	0
N	RESERVED							
N+1	RESERVED							
N+2	RESERVED							
N+3	RESERVED							

(Allows a two-byte Session ID and two-byte channel group ID).

5.3 SRP_LOGIN_RSP

Table 2 - SRP_LOGIN_RSP additions

Bit Byte	7	6	5	4	3	2	1	0
N	RESERVED							
N+1								
N+2	RESERVED							
N+3								

(Allows a two-byte Session ID and two-byte channel group ID).

5.4 SRP_CMD IU

Table 3 - SRP_CMD addition

Bit Byte	7	6	5	4	3	2	1	0
N	RESERVED							
N+1								
N+2	RESERVED							
N+3								

(Allows four bytes for message sequencing.)

5.5 SRP_RSP

(Separate RSP_CODE, and RESPONSE DATA. Increase RESPONSE DATA to allow returning four bytes of data detailing the problem. Redefine Bit 7 of RSP_CODE as RD_VALID, indicating whether RESPONSE DATA contains valid data. Modify Table 22, making values 07h-7Fh reserved.)

Table 4 - SRP_RSP RESPONSE_CODE change

Bit Byte	7	6	5	4	3	2	1	0
N	RD_VALID	RSP_CODE						

Table 5 - SRP_RSP RESPONSE_DATA

Bit Byte	7	6	5	4	3	2	1	0
N	RESPONSE DATA							
N+1								
N+2								
N+3								