

To: T10 Technical Committee
 From: Rob Elliott, Compaq Computer Corporation (Robert.Elliott@compaq.com)
 and Cris Simpson, Intel Corporation (Cris.Simpson@intel.com)
 Date: 20 July 2001
 Subject: T10/01-233r0 Minutes of the SRP WG - 19-20 July 2001

Revision History

Revision 0: (20 July 2001) first revision

Agenda

1 Opening Remarks and introduction 1
 2 Attendance and membership..... 1
 3 Approve agenda 2
 4 Review Minutes of SRP teleconference 9 July 2001 (01-206r0) [Rob Elliott] 2
 5 Review old action items..... 2
 5.1 Ed Gardner will write a description of the MULTICHANNEL=01h state, both with a formal rule and with examples. 2
 5.2 Ed Gardner will release SRP revision 7 on Thursday 12 July 2001. 2
 5.3 Rob Haydt will write a proposal about detecting storage IOCs in InfiniBand (01-189r1).. 2
 6 SRP alias entry designation formats (01-193r1) [Rob Elliott] 2
 7 SRP to SAM-2 protocol (01-172r2) [George Penokie] 2
 8 SRP operation overview (multiple independent channel operation)[Ed Gardner]..... 2
 9 SRP Initiator Logout Proposal (01-205r1) [Cris Simpson]..... 3
 10 SRP session issues (01-228r0) [Cris Simpson] 3
 11 SRP Model for RDMA Communications services (01-177r1) [Ed Gardner]..... 3
 12 OS considerations for SRP on IB (01-189r1) [Rob Haydt] 3
 13 SRP buffer descriptor formats (01-227r0) [Ed Gardner]..... 3
 14 SRP Multichannel proposal (reserved fields version) [Cris Simpson]..... 3
 15 Comments on SRP and IB annex (01-221r0) [Costatino, Green, Snively]..... 3
 16 SRP buffer descriptor subclause rewrite (01-230r0) [Ed Gardner] 4
 17 Document review of SRP revision 7 (srp-r07) [Ed Gardner] 4
 18 Review new action items 4
 19 Meeting schedule..... 4
 20 Adjournment 4

Topics

1 Opening Remarks and introduction

The WG started at Central time. LSI Logic was thanked for hosting.

2 Attendance and membership

Name	S	Organization	Electronic Mail Address
Mr. Bob Snively	P	Brocade	rsnively@brocade.com
Mr. Robert C. Elliott	P	Compaq Computer Corp.	Robert.Elliott@compaq.com
Mr. Robert Griswold	V	Crossroads	rgriswold@crossroads.com
Mr. Ralph O. Weber	P	ENDL Texas	roweber@acm.org
Dr. Jim Hafner	V	IBM Corp.	hafner@almaden.ibm.com
Mr. Cris Simpson	P	Intel Corp.	cris.simpson@intel.com
Mr. John Lohmeyer	P	LSI Logic Corp.	lohmeier@t10.org
Mr. Mark Evans	P	Maxtor Corp.	mark.evans@quantum.com
Mr. Rob Haydt	P	Microsoft	robhay@microsoft.com
Mr. Edward Gardner	P	Ophidian Designs	eag@ophidian.org
Mr. Gerald Houlder	P	Seagate Technology	gerry_houlder@seagate.com
Mr. George Penokie	P	Tivoli	gpenokie@tivoli.com
Mr. Gerald Maurer	V	QLogic Corp.	gerald.maurer@qlogic.com

13 People Present

Status Key: P - Principal
A,A# - Alternate
AV - Advisory Member
L - Liaison
V - Visitor

3 Approve agenda

The agenda was approved as listed above.

4 Review Minutes of SRP teleconference 9 July 2001 (01-206r0) [Rob Elliott]

The minutes from the previous meeting were approved.

5 Review old action items

5.1 Ed Gardner will write a description of the MULTICHANNEL=01h state, both with a formal rule and with examples.

Included in separate document, no number yet.

5.2 Ed Gardner will release SRP revision 7 on Thursday 12 July 2001.

Done (late).

5.3 Rob Haydt will write a proposal about detecting storage IOCs in InfiniBand (01-189r1).

Done.

6 SRP alias entry designation formats (01-193r1) [Rob Elliott]

The group recommended unanimously that this proposal be included in SRP.

7 SRP to SAM-2 protocol (01-172r2) [George Penokie]

Ed or George will generic-ize the terminology for table A.2 – George wrote it with IB terms.

George will add a table like Table 1 in FCP-2 that maps the SAM terms (e.g. Send SCSI command) to SRP objects (e.g. SRP_CMD IU).

George will add a picture like that in SAM showing the ULP and LLPs.

George will revise the proposal.

8 SRP operation overview (multiple independent channel operation)[Ed Gardner]

The group worked on text describing single independent channel and multiple independent channel modes of operation.

Ed will add a section on channel disconnect describing both initiator and target effects.

Ed will obtain a document number for this material.

9 SRP Initiator Logout Proposal (01-205r1) [Cris Simpson]

The description that the target shall abort all tasks will point to the new section being written by Ed.

The group recommended unanimously that this proposal as modified by included in SRP.

10 SRP session issues (01-228r0) [Cris Simpson]

This document raised a few questions that were resolved in discussion of the SRP operation overview.

11 SRP Model for RDMA Communications services (01-177r1) [Ed Gardner]

The group made numerous editorial changes.

The group recommended unanimously that this proposal as revised be included in SRP.

12 OS considerations for SRP on IB (01-189r1) [Rob Haydt]

Rob wants to virtualize IOCs, creating an EUI-64 for each vIOC. Others prefer virtualizing at the SRP level. Cris proposes that a TPID extension of 0 shall be valid, and a place to issue Get Targets.

Rob wants some changes to IOCProfile, but does not have them documented. RobH, Cris, RobE to work on a proposal to overhaul completely. Needs to indicate SRP version.

13 SRP buffer descriptor formats (01-227r0) [Ed Gardner]

Since doc posted, Ed has decided the Fmt and Count fields should move down to Bytes 5-7, add bitmask to show formats supported. All agreed.

14 SRP Multichannel proposal (reserved fields version) [Cris Simpson]

Proposal (prematurely) withdrawn in favor of 01-227. Simpson will resubmit with memory-related fields removed.

15 Comments on SRP and IB annex (01-221r0) [Costatino, Green, Snively]

2.1 – All 'can's appear to be removed from 07.

2.2 - Fixed in 01-177r1(as modified).

2.3 – Should target reject login if init sets INDREQ, but target does not support? Yes, Target shall reject. INDSUP is an indicator only.

2.4 – Covered by Response Code.

3.1 – Accepted.

3.2 – Accepted.

3.3 – Same GUID, same IOC.

3.4 – Need to clarify model. Cris will try.

3.5 – Port should never be used without a qualifier, don't think it is.

3.6 – Mode pages may be shared. iSCSI sets this at LOGIN, Cris may propose the same.

3.7 – Accepted, already in progress by Ed.

3.8 – Add to 6.3, 6.4, “not currently defined AND IS RESERVED for SRP devices.”

16 SRP buffer descriptor subclause rewrite (01-230r0) [Ed Gardner]

Ed will change “indirect bit” to “format code” and “count field” to “size”.

Many editorial comments.

17 Document review of SRP revision 7 (srp-r07) [Ed Gardner]

Not done due to lack of lateness and dwindling attendance.

18 Review new action items

July 27 - Ed will release Rev 08.

Aug 3 - Ed will release Rev 09.

Rob, Rob, Cris will develop new IOControllerProfile proposal.

19 Meeting schedule

July 31 - Teleconference 8-12 PDT – Rob E will set up bridge.

The goal is to finish all proposals and release srp-r09 to letter ballot by Aug 6.

September T10 Week (Huntington Beach):

12 Sept 2001 Wed CAP

13 July 2001 Thu SRP (begins 1 hour after T10 plenary, usually around 2pm)

Agenda: Review LB comments.

14 July 2001 Fri SRP (no definite ending time, usually around 2 pm.)

20 Adjournment

The meeting adjourned at 11:54 Mountain time.