

## FC-FS Minutes February 14, 2000

1. George Penokie ran meeting do to a family emergency with John Scheible. The meeting started at 1:05 PM
2. There were no changes to the minutes from the December 8<sup>th</sup> meeting (99-756v0) or the FS report to T11.3 (99-755v0)
3. Action Item review:

Action Item	Disposition
1. Bob Snively, SUN Microsystems, to check with IEEE to see if they have published document referenced in Annex AF.	carryover
2. To Lee Hu, Vixel, to provide FC-VI Preference Use Changes.	Overcome by events
3. Bob Snively has to continue to pressure the SCI people about removing the SCI type codes.	closed
4. Jim Nelson, Northrop Grumman, to add an index.	Carryover
5. Jim Nelson to incorporate 99-433v0 making Operation Associators obsolete	Carryover
6. Jim Nelson to make sure PH, PH-2 and PH-3 are changed to FS where appropriate.	Carryover
7. Mike Dorsett, Boeing, to provide class 6 rewrite.	Carryover (partially complete)
8. Jim Nelson to look at rewriting clause 18 as it needs clarifications and is currently poorly worded.	Carryover
9. Jim Coomes, Seagate, to present Obsolete Request Node Capability (99-530v0)	Complete
10. Bob Snively was given an Action Item to prepare a proposal to take out data encryption	Complete
11. Matt Wakeley, HP Agilent, to update his Simple Auto Speed Negotiation document and provide a proposal for inclusion into FS.	Complete
12. Ken Fredericks, McData, to post to the web site version 2 of 99-594v1 as well as send the mif file to the editor.	Complete
13. Jim Nelson to include 99-707 in FS.	Carryover
14. Jim Coomes to update 99-529v3 and present at the February meeting.	Closed
15. Bob Snively and Kha-Sin Teow, Brocade, to resolve their differences on RSCN and SCR and present at the February meeting.	Carryover
16. Tan Lu, IBM to present the desired solution for BB credit reclamation in February	Closed
17. Action Item to Bob Snively and Bob Kembel, Connectivity Solutions, to resolve there differences on ELS login requirements and present their solution at the February meeting.	Closed

4. Bob Kembel presented 99-743v0, FC Link Services and Login States. Bob Snively also discussed his document on same subject (99-740v0), but with a different perspective. **AI Bob Kembel will update his proposal** to among other things add a

couple of more columns in the ELS table for yes/no on login/logout. Bob Kembel also has an **Action Item to specify the reason codes for login reject.**

5. Jim Coomes presented his Update RLS Proposal- 00-022v0. Jeff Stai says it looks like a subset of RNID. Jim will look at that and report back to the group next time. **AI to Jim Coomes**
6. Dave Petersen, Storage Tek, presented 00-055v0, "E\_D\_TOV and R\_A\_TOV default timeout values". His proposal is to change E\_D\_TOV from 10 to 2 seconds and R\_A\_TOV from 120 to 10 seconds. Dave made a motion to change the values as presented, second by Dal Allen, ENDL. There was no objection, so this will be incorporated. **Action Item to Dave will let the editor know what sections are affected.**
7. Bill Martin's, Gadzoox, document on Access Control, 00-056v0 will be updated for the next meeting. **AI to Bill**
8. Tan Lu presented 00-057v0, Scheme for FC-2 BB Credit-Recovery. In his view this is needed because the current solution, Link Reset is drastic. However after some discussion, Tan agreed to provide justification for why Link Reset is not acceptable. **AI to Tan.**
9. Bob Kembel agreed to defer presenting 99-752v0, Proposed Change to Link Reset until there is an update to Tan's proposal.
10. Bob Snively led a discussion of 99-079v0, Proposal to Obsolete Data Encryption. If this is removed, it may have effects on GS-2 and 3. Because most of the relevant people were not at this meeting (Mike Dorsett, Boeing, among others) the topic was deferred to the next meeting. **AI to Mike Dorsett and others that care about data encryption to respond to Bob's proposal.**
11. Action on RSCN and SCR was deferred to the next meeting (see 99-729v1). **AI to TAN Lu.**
12. Giles Frazier presented 00-058v0, Bit Error Rate Threshold Detection. The proposal is to set a threshold which when exceeded will cause an event to be reported. The "Bit Error Rate Threshold exceeded" code is defined but there is no definition of what the threshold is. The idea was generally accepted and a much more detailed proposal will be written for the next meeting. **AI to Giles Frazier.**
13. Open Action Items:
  1. Bob Snively, SUN Microsystems, to check with IEEE to see if they have published document referenced in Annex AF.
  2. Jim Nelson, Northrop Grumman, to add an index.
  3. Jim Nelson to incorporate 99-433v0 making Operation Associators obsolete
  4. Jim Nelson to make sure PH, PH-2 and PH-3 are changed to FS where appropriate.

5. Mike Dorsett, Boeing, to provide class 6 rewrite.
6. Jim Nelson to look at rewriting clause 18 as it needs clarifications and is currently poorly worded.
7. Jim Nelson to include 99-707 in FS.
8. Bob Snively and Kha-Sin Teow, to resolve their differences on RSCN and SCR and present at the February meeting.
9. Bob Kembel to update his proposal FC Link Services and Login States
10. Bob Kembel to specify the reason codes for login reject.
11. Jim Coomes to investigate if he whether Update RLS is a subset of RNID.
12. Dave Petersen will let the editor know what sections are affected by changing the E\_D\_TOV and R\_A\_TOV default timeout values.
13. Bill Martin's to update Access Control, 00-056v0.
14. Tan Lu to provide justification for why Link Reset is not an acceptable solution to BB Credit Recovery.
15. Mike Dorsett and others that care about data encryption to respond to Bob's proposal to make it obsolete.
16. Tu Lu to revise and present 99-729v1, Enhance RSCN and SCR proposal
17. Giles Frazier to present detailed proposal on Bit Error Rate Threshold Detection

#### Attendance

<b>Company</b>	<b>Last name</b>	<b>First name</b>	<b>E-mail</b>
Adaptec	Monia	Charles	Cmonia@corp.adaptec.com
Ancor	Carlson	Craig	Cwc@ancor.com
Boeing	Keller	Jack	Jack.e.keller@boeing.com
Boeing	Nast	Douglas	douglas.p.nast@boeing.com
Boeing	Wilson	Steve	steven.h.wilson@boeing.com
Brocade	Malavalli	Kumar	kumar@brocade.com
CMD	O'Neil	Stephen	Oneil@cmd.com
Compaq	Zeitler	Carl	carl.zeitler@compaq.com
Connectivity Solutions	Kembel	Robert W.	kembel@compuserve.com
Crossroads	Wanamaker	Neil	Ntw@crossroads.com
ENDL	Weber	Ralph	Roweber@acm.org
EMC	Harwood	Jack	harwood_jack@emc.com
Gadzoox	Martin	William R.	bmartin@gadzoox.com
General Dynamics	Pedersen	Robert K.	Robert.K.Pedersen@gd-is.com
Hewlett Packard	Spasic	Predrag	predrag_spasir@hp.com
Hewlett Packard/Agilent	Wakeley	Matt	matt@agilenthp.com
IBM	Craft	David	Dunstan@us.ibm.com
IBM	Hoard	Michael	hoard@sequent.com
IBM	Kramer	Kevin	kramerk@us.ibm.com
IBM	Tsao	Gary	Tsao@us.ibm.com
IBM	Penokie	George	gop@us.ibm.com
JNI	Stuber	Craig	cstuber@jni.com

<b>Company</b>	<b>Last name</b>	<b>First name</b>	<b>E-mail</b>
Lockheed Martin	Allison	Rick	Rick.h.allison@lmco.com
LSI Logic	Binford	Charles	Charles.Binford@lsil.com
LSI Logic	Sangha	Harmel	Sanghah@lsil.com
LSI Logic	Vijayaraghavan	John	Divyau@lsil.com
McData	O'Donnell	Michael	modonnell@mcddata.com
Northrop Grumman	Nelson	James	nelsoja5@mail.northgrum.com
Ophidian Designs	Gardner	Edward A.	eag@ophidian.com
Qlogic	Stai	Jeff	J_stai@qlc.com
Quantum	Seto	Pak	pseto@tdh.qntm.com
Seagate	Coomes	James	jim_coomes@notes.seagate.com
Seagate	Milligan	Gene	gene_milligan@notes.seagate.com
Seagate	Suhler	Paul	paul_a_suhler@notes.seagate.com
SRB	Warden	Gary	gwarden@srbconsulting.com
StorageTek	Peterson	David	dap@network.com
Sun Microsystems	Snively	Robert N.	bob.snively@sun.com
True Focus	Truestedt	Horst L.	hotrues@attglobal.net
Unisys	Stone	Arlan	arlan.stone@unisys.com
Xyratex	Edmunds	Neil	Neil_edmonds@uk.xyratex.com