

IEEE P1394b SCAT (Sorted by STATUS)

SCATNo	Title	Owner	DateEntered	StatusDate
9	Jitter Budgets	Colin Whitby-Strevens	12/10/1998	6/9/1999
Description				
Finalize jitter budget and specifications for all speeds and media (except UTP5).				
Status				
A-WIP				
NextActions				
06/09/99: Continue to track Fiber Channel and update as required; 4/8/99 - On Agenda for 4/22/99; 3/24/99 - Colin has posted jitter tables to web site. Folks to validate that numbers are correct. Colin needs to verify test patterns. Will plagiarize from fibre channel test patterns.				

SCATNo	Title	Owner	DateEntered	StatusDate
13	PHY-Link electrical specs.	Tony Foster	12/10/1998	6/9/1999
Description				
Include 802.3 spec information for S800 and below; Document integrated link/Beta-PHY; The strategy is:a) reuse the 1394a link-phy electrical if possible, including isolation, up to speed s800 (100Mhz); b) leverage the 802.3Z GMII spec and change signal names to cover un-isolated to S800; c) initial assumption is that speeds above S800 will use integrated link and Phy and the protocol is sufficient.				
Status				
A-WIP				
NextActions				
06/09/99 Work continues - progress being made; 4/28/98: Tony plans to finish this up next week and send it off to Eric; David Wooten suggested he socialize it among a few SCAT folks first; 4/8/99: We may recommend adoption of "A" electricals for S800 PHY/Link interface (this may mean giving up on isolation); Tony will have this complete by next Thursday (4/15); 3/24/99: Three Actions to be taken: 1) Evaluate the current 1394a link-phy electrical spec and				

SCATNo	Title	Owner	DateEntered	StatusDate
17	Beta PHY ID	Colin Whitby-Strevens	12/10/1998	6/9/1999
Description				
Need a mechanism to identify Maximum Legacy Path Speed to be used at self ID time				
Status				
A-WIP				
NextActions				
06/09/99: Owner changed from Jerry Hauck to Colin Whitby-Strevens; 4/28/99: The draft spec must be cleaned up such that an "A-Link" interfaced to a "B-PHY" shall not run faster than S400. A beta-only PHY mated with an "A-Link" shall not be faster than S400; 3/24/99: Colin: add a bit identifying connection to a "B" PHY. Alistair: S100 legacy packet format, beta originators will include a speed code, A B PHY generating an S100 packet when connected to an A				

SCATNo	Title	Owner	DateEntered	StatusDate
18	Beta Copper Connector	Max Bassler	12/10/1998	6/9/1999
Description				
Two connectors: 1) Lower Cost than existing 4-pin 2) No power; 3) With power. 4) Neither no larger than existing 4-pin 5) More robust than existing 4-pin 6) better EMI/RFI characteristics than current 4-pin 7) S800 and higher 8) LOW COST				
Status				
A-WIP				
NextActions				
06/09/99: Progress continues, presentations being made to SCAT and Plenary; 4/28/99: Proposed plug/socket is a bit larger than existing 4-pin connector; Other requirements have yet to be examined; Some members of Copperheads continue to believe beta only copper plug/socket requirements have still not been communicated to the Copperheads task group; 3/24/99: Max's AR is to write down Copperhead guidance questions for SCAT group to respond to.				

SCATNo	Title	Owner	DateEntered	StatusDate
19	Loop Healing	David Wooten	12/10/1998	6/6/1999
Description				
Changes are needed in Tree-ID such as to support loop healing				
Status				
A-WIP				
NextActions				
4/30/99: Per e-mail from Colin, the secretary was reminded that the owner for this issue item was transferred to David Wooten at the Plenary; 4/28/99: Ed admits that there never were any real notes (other than a brief list of requirements - which were published) taken of the initial debate of loop healing methods (occurring at Tempe) and, since all those donating to the confusion have not yet brought forward any written (documented) proposal which contains anything of				

SCATNo	Title	Owner	DateEntered	StatusDate
31	B.O.S.S. Border Node	Accelerations	2/10/1999	3/24/1999
Description				
The behavior and operation of a border node needs to be determined				
Status				
A-WIP				
NextActions				
06/09/99: Behavior was presented at the Plenary meeting on 06/08/99, Code will be complete and in the draft prior to the July plenary; 03/24/99: 'C'-code yet to be done prior to the June plenary meeting. Presentation given at 3/23/99 plenary. Group to review description.				

SCATNo	Title	Owner	DateEntered	StatusDate
32	B.O.S.S. Validation	Accelerations	2/10/1999	3/24/1999
Description				
Validate that B.O.S.S. will support border node functionality				
Status				
A-WIP				
NextActions				
06/09/99: Once Issue #31 has been completed, the validation will occur. This should be completed (done) by the August Plenary); 03/24/99: See Next Actions in SCAT #30				

SCATNo	Title	Owner	DateEntered	StatusDate
54	Scrambler Control	B-Port	6/9/1999	6/9/1999
Description				
Status				
A-WIP				
NextActions				
06/09/99: Used to be part of #9) Need to decide whether the arb state machine or the port takes responsibility for controlling the scrambler and generating the NOP control symbol in order to emit the SB-JTPAT (as controlled by the "disable scrambler" bit in the PHY register map).				

SCATNo	Title	Owner	DateEntered	StatusDate
21	Bridge Liaison	David Wooten	12/10/1998	3/24/1999
Description				
1394.1 liaison as required				
Status				
B-OPEN				
NextActions				
06/09/99: Keep on keeping on - this is going to be open until the lights go out on IEEE P1394b or until it is "too damn late" to keep working with 1394.1 because they are taking too long and 1394b needs to close.				

SCATNo	Title	Owner	DateEntered	StatusDate
27	Summary Clause	David Wooten	12/10/1998	3/24/1999
Description				
Write clause three (Summary)				
Status				
B-OPEN				
NextActions				
03/24/99 - No Change. 2/28/99: David will find an owner before the spec closes.				

SCATNo	Title	Owner	DateEntered	StatusDate
36	Fan-out PHY Protocols	PHY-Link	3/24/1999	6/9/1999
Description				
A PHY may serve as a "port fan-out" device which interconnects with an integrated beta-only PHY & link to in such a fashion to consume a single node ID. Resolve for LinkOn, etc.				
Status				
B-OPEN				
NextActions				
06/09/99: There will be one node-ID when a FOP is connected to the beta-only port on the PIL. The PHY portion of the PIL when a FOP is connected is "silent" during tree-ID and self-ID (e.g. the PHY in the PIL and the FOP appear as a single PHY), there are side-band signals of "LREQ" and "PINT"; 4/8/99: LinknOn will be sent to the Fan-Out PHY; Proposals: a) Fan-Out PHY includes an optional LinkOn signal pin; b) Node ID's will not be shared (one for each				

SCATNo	Title	Owner	DateEntered	StatusDate
40	Delay after any PHY packet	B-Port	4/28/1999	6/17/1999
Description				
Because PHY packets are wrapped with an extra quadlet (T-Code E), it is not good to be too speedy with another packet. There needs to be a short delay after a PHY packet to allow for the wrapper to be created and the subsequent packet passed forward.				
Status				
B-OPEN				
NextActions				
06/17/99: This issue has been identified as an arb state machine problem and ownership has been transferred from B-Port to Arbitrations; 06/09/99: Need to provide sufficient space before a packet to provide four symbols (1 quadlet) at the receiver (more than the space provided by SCAT Issue #41) - implement in the 'C-Code'; 4/28/99: All PHY packets shall be sent with legacy S100 timings. Alistair shall document this requirement in clause 10.				

SCATNo	Title	Owner	DateEntered	StatusDate
41	Interpacket delay	B-Port	4/28/1999	6/9/1999
Description				
The link needs time to complete processing of a packet before it must deal with the next packet (isoch followed by isoc, for example); One issue to be dealt with here is how fast can a link deal with a series of packets (isoch, for example); how closely can the packets be spaced so that the link can perform its interpacket processing - how much time must they have? The proposal is a single quadlet.				
Status				
B-OPEN				
NextActions				
06/09/99 The proposal (see description - above) was agreed upon by all available link designers (one quadlet interpacket spacing at the receiver). More to be added at the originator to allow for deleteable symbols - implement this in the 'C-Code'.				

SCATNo	Title	Owner	DateEntered	StatusDate
43	Loss of Sync	Jerry Hauck	4/28/1999	4/28/1999
Description				
Now that border nodes are better understood, Jerry Hauck believes there are some open issues when a Beta node, when transmitting a packet to a D/S cloud through a border node, loses sync with the border node.				
Status				
B-OPEN				
NextActions				
06/09/99: There has been no code written (yet) to determine the behavior of a beta node which loses sync on its receiver port as it is repeating a packet out its other ports.				

SCATNo	Title	Owner	DateEntered	StatusDate
44	Beta Cable Construction	Copperheads	4/30/1999	6/9/1999
Description				
The draft shall include two examples of beta cable construction – one which shows parameter compliance using a short distance cable and one which demonstrates parameter compliance using a longer distance (not long haul) cable. The short distance cable should be as close in length to the predominate cable length available in the 4-pin market today. The shorter cable may be in the neighborhood of 1.6 meters. Another method may be to simply use				
Status				
B-OPEN				
NextActions				
06/09/99: David Wooten to ask Max what are the constraints which resulted in a 2 meter cable in the latest coperheads beta proposal? Dick posted an e-mail on the reflector (07 June 1999) in which he listed all cables available from Sony. Eric Anderson supplemented the information with a 3.5 meter cable available some time back but is no longer available today. 04/30/99: Dick Scheel to obtain Sony 1394 cable data (e.g. what cable configurations does Sony make				

SCATNo	Title	Owner	DateEntered	StatusDate
45	Standby Response when B_Link==0	Colin Whitby-Strevens	4/30/1999	4/30/1999
Description				
A B-PHY shall always return OK == 0 when receiving a Standby command if B-Link == 0				
Status				
B-OPEN				
NextActions				
06/09/99: To the query "Is this done" Colin replied "I don't think so". Perhaps it will be included in 0.7 draft revision. 04/30/99: Colin will submit appropriate wording in the next submittal to Eric for inclusion in the next revision of the draft.				

SCATNo	Title	Owner	DateEntered	StatusDate
46	Table 12-11 Modifications	Sean Killeen	4/30/1999	4/30/1999
Description				
Table 12-11 shall be modified to include restore with and without notification of a previous bus reset. As part of this, any time the PHY sends the contents of an internal register it identifies whether it is autonomous or not (e.g. table 12-11 value 1001 is the same as 1000 except the register being sent is being sent autonomously)				
Status				
B-OPEN				
NextActions				
06/09/99 David Wooten will contact Sean and gather some latest status				

SCATNo	Title	Owner	DateEntered	StatusDate
48	Eliminate Enab_multi & Enab_accel	Sean Killeen	4/30/1999	4/30/1999
Description				
Is Enab_multi and Enab_accel required in a P1394b PHY register map?				
Status				
B-OPEN				
NextActions				
06/09/99 David Wooten will contact Sean and gather some latest status				

SCATNo	Title	Owner	DateEntered	StatusDate
49	Per Port Speed Register Clean-up	David Wooten	6/8/1999	6/8/1999
Description				
There is an issue with all of the per port speed registers. Specifically: How are they set, who sets them, how are they preserved across PHY power cycles (power-up resets), etc.				
Status				
B-OPEN				
NextActions				

SCATNo	Title	Owner	DateEntered	StatusDate
50	Self-ID Speed Bits for Beta Compliant PHYs	Colin Whitby-Strevens	6/8/1999	6/8/1999
Description				
Socialize on the reflector to determine whether it should be a requirement that all Beta mode compliant PHY's report 11b as their speed in their self-ID poacket? As in: a simple Repeater connecting DS S-100 to Beta S-100 (CAT-5 use model).				
Status				
B-OPEN				
NextActions				

SCATNo	Title	Owner	DateEntered	StatusDate
51	Cycle Start Token Timing	Jerry Hauck	6/9/1999	6/9/1999
Description				
Now that the draft standard has cycle start tokens, how does one go about using them. We need to make certain that a beta node can generate a cycle start token and an isochronous request in time after seeing the cycle start packet. When the cycle start packet is coming from a border node into a "B" domain it will not have a cycle start token.				
Status				
B-OPEN				
NextActions				
06/09/99: Jerry will fix this and submit the fix for inclusion in the next draft. If successful, look for it in 0.7 just prior to the next plenary.				

SCATNo	Title	Owner	DateEntered	StatusDate
52	Gap Timing Parameters (PIL/FOP)	Jerry Hauck	6/9/1999	6/9/1999
Description				
There is a link/PHY delay in a PIL/FOP implementation where one considers the PIL as a "link" and the FOP as the "PHY" (traditionally speaking). This needs to be examined for corner case issues with regard to pinging and ping response.				
Status				
B-OPEN				
NextActions				
06/09/99: Jerry will analyze the possible timing issues and report at the next SCAT meeting the result of that analysis				

SCATNo	Title	Owner	DateEntered	StatusDate
53	Withdrawn Requests	Jerry Hauck	6/9/1999	6/9/1999
Description				
When a grant is received and it is not wanted, what should be done? There is a proposed solotuon: transmit a NULL packet. The issue is that when a grant is received there may be a case when other nodes on the bus see Data_prefix and they need to be allowed to go idle.				
Status				
B-OPEN				
NextActions				
06/09/99: Jerry to validate solution and submit to editor for inclusion in the draft.				

SCATNo	Title	Owner	DateEntered	StatusDate
55	Resolving Loss of Synch	Arbitration	6/17/1999	6/17/1999
Description				
Superceding issue # 37. Identify and deal with all problems concerning loss of sync.: 1) Packet Truncation (#37); Delay after PHY Packet (#40);				
Status				
B-OPEN				
NextActions				

SCATNo	Title	Owner	DateEntered	StatusDate
4	Standby Proxy Self-ID	Colin Whitby-Strevens	12/10/1998	6/9/1999
Description				
Proxy self-ID packets for "leaf" nodes in standby				
Status				
C-AIP				
NextActions				
06/09/99: No Status change (with the exception of correcting the wording for the 4/28/99 status); 4/28/99: Standby is now in the draft; There is some outstanding work to be completed before standby is completely incorporated in the draft: 1) the draft must now incorporate the notion of proxying the node-id for the leaf node in standby; 2) getting restore information to the restoring leaf node; 4/8/99: Awaiting approval of proposal at April meeting. 3/24/99: Write-				

SCATNo	Title	Owner	DateEntered	StatusDate
6	Signal Detect Plus	UTP	12/10/1998	6/9/1999
Description				
Resolve signal detect and related issues for UTP-5				
Status				
C-AIP				
NextActions				
06/09/99: Alistair has handed over ownership of the chapter to Eric Hannah. Alistair had not yet placed his proposal in the draft and Eric did not note that it had not been included. Colin will send an e-mail to both Eric and Alistair. The action here is to have Eric put into the draft Alistair's proposal. 4/8/99: Not yet done. May get done before the next draft of the spec. 3/24/99: No change - Alistair to update contents of next draft				

SCATNo	Title	Owner	DateEntered	StatusDate
42	Errant Reset of Error Counter	Alistair Coles	4/28/1999	6/17/1999
Description				
The error counter is reset when one re-syncs afer loosing synchronization. Loss of synchronization may be the result of an error. This doesn't sound very useful and probably should be fixed.				
Status				
C-AIP				
NextActions				
06/17/99: Alistair to review the minues of the 06/09/99 SCAT meeting; 06/09/99: Place into the draft: Intended for use by a single bus wide diagnostics program. Cleared when read. The port code much be changed so the register is no longer cleared when loss of sync occurs: port_error_reg: change in rx_sync_actions(), change description in 10.6.2.7				

SCATNo	Title	Owner	DateEntered	StatusDate
2	Root Contention Time	Eric Hannah	12/10/1998	4/28/1999
Description				
Verify that root contention time values will work with long haul. The time constants chosen were selected for 50 meters. Beyond 50 meters, new constants will need to be determined.				
Status				
Y--DONE				
NextActions				
06/07/9: Draft 0.60 incorporates the changes; 4/28/99: Current draft does not have the changes incorporated. The next draft will contain new values for root contention times for distances less than 50 meters. 4/8/99: Eric will change next draft. ROOT_CONTENTEND_SLOW will be 3.2 us Min and 3.22 us max.; 3/24/99: Subject to Upstart support, the method suggested in Alistair's e-mail of March 15, 1999 (Subject: Re: Continue of Loop Breaking in 1394b) could be				

SCATNo	Title	Owner	DateEntered	StatusDate
1	1394a start-up Alignment	Upstarts	12/10/1998	4/28/1999
Description				
Fix start-up to align with P1394a when it has been completed				
Status				
Y-DONE				
NextActions				
4/28/99: Incorporated the Hard Disable bit in the draft; The hard disable bit is set/reset via software; 4/8/99: Deferred until Colin is able to report. 3/24/99: Waiting for 1394a port state machine to stabilize; 2) what to do on disable; 3) Is toning operational during disable or is INT_ENABLE used to control toning during disable 4) better distinction between port state machine and arbitration state machine				

SCATNo	Title	Owner	DateEntered	StatusDate
3	PHY Register Map	PHY-Link	12/10/1998	2/10/1999
Description				
Complete design of register map (to include speed limit bits in port registers - settable by firmware, as well as other required bits				
Status				
Y-DONE				
NextActions				
None				

SCATNo	Title	Owner	DateEntered	StatusDate
5	Port Interface	B-Port	12/10/1998	6/17/1999
Description				
Fix & Document Port interfaces (and filtered input from Simulations); Control Codes delivered to Mike and Steve.				
Status				
Y-DONE				
NextActions				
06/17/99: The "living document" is to be updated at a lower priority - it would be nice to have in the July draft; 06/09/99: Colin & Mike have been using this document and they have yet to find any errors. 4/8/99: Alistair has 'living' document. Chapter has been extensively revised. Awaiting review by Jerry. Will put something in the next rev. of the spec. 3/24/99: Update as appropriate as information comes forth from simulations				

SCATNo	Title	Owner	DateEntered	StatusDate
8	UTP Electrical	UTP	12/10/1998	6/9/1999
Description				
Complete UTP electrical Specs				
Status				
Y-DONE				
NextActions				
06/09/99: Eric has completed this; 04/08/99: When provided by Alistair, Eric will update spec and mask. 3/24/99 No Change - 2/10/99: Alistair to get numbers, Eric to simulate/validate them				

SCATNo	Title	Owner	DateEntered	StatusDate
10	Standby Start-up	Upstarts	12/10/1998	6/9/1999
Description				
Upstarts complete standby interaction				
Status				
Y-DONE				
NextActions				
06/09/99: This has been incorporated into the draft specification; 4/8/99 - Colin Colin to do implementation proposal upon completion upon completion of SCAT #1				

SCATNo	Title	Owner	DateEntered	StatusDate
11	Standby Codes	B-Port	12/10/1998	2/10/1999
Description				
Standby encoding signaling				
Status				
Y-DONE				
NextActions				
Codes have been distributed				

SCATNo	Title	Owner	DateEntered	StatusDate
12	Arbitration Tokens	B-Port	12/10/1998	3/24/1999
Description				
Arbitration Token Completion				
Status				
Y-DONE				
NextActions				
If new codes are needed they will be given or their need will be negotiated				

SCATNo	Title	Owner	DateEntered	StatusDate
15	B.O.S.S. Port & PHY-Link	Accelerations	12/10/1998	6/9/1999
Description				
Interface with B-Port connections & PHY-Link sub-layer				
Status				
Y-DONE				
NextActions				
06/09/99: The write up has been completed and Sean has the information. In fact, a presentation was made by Colin to the general membership at the plenary; 03/24/99: Write it up and send it to Sean - to be completed 4/7/99				

SCATNo	Title	Owner	DateEntered	StatusDate
16	Beta mode media dependent speed for new beta & unspecifi	Colin Whitby-Strevens	12/10/1998	6/6/1999
Description				
Shall Beta mode support S100 through S400 on all media types? S100 & S200 not wanted on GOF. The issue is regarding a Bi-lingual PHY capable of only S400, or, perhaps S200, it would be nice if it were able to operate in Beta mode when able.				
Status				
Y-DONE				
NextActions				
4/28/99: Minimum speed for 1394b beta only keyed copper connector shall be S400 (same as GOF); Maximum allowed speed shall be S3200; Other connectors (out of scope for this standard) have a minimum of S400 and maximum is undefined; 3/24/99: Max Bassler is to discover what is the lowest-speed the Consumer Electronic folks would like to see on Beta mode only?				

SCATNo	Title	Owner	DateEntered	StatusDate
20	Cycle Start Tokens	Michael D. Johas Teener	12/10/1998	3/24/1999
Description				
Send out a conventional Cycle Start packet appended onto it is a cycle start token. The token is there to help the PHYs keep their phase straight (and it helps on border node) - need two tokens from Alistair (or a better way to do this).				
Status				
Y-DONE				
NextActions				
Mike will get tokens from Alistair. This is expected to be documented by [standard answer: soon] end of next week (2/26). March 1st will be the date when ALL tokens have been requested of Alistair.				

SCATNo	Title	Owner	DateEntered	StatusDate
22	Speed Map	David Wooten	12/10/1998	6/6/1999
Description				
Resolve speed map issues				
Status				
Y-DONE				
NextActions				
1) Plenary Announcement: 1394b will not support a speed map. 2) Seek volunteer to write a white paper (informative annex) on speed discovery which does use a speed map. Not required for draft closure.				

SCATNo	Title	Owner	DateEntered	StatusDate
25	PHY Test modes	Lou Fasano	12/10/1998	6/9/1999
Description				
Develop and document PHY Test Modes				
Status				
Y-DONE				
NextActions				
06/09/99: With what has been completed by Colin, the requirements have been met. Additional material shall be considered out of scope unless 2/3 vote accepts it.; 4/30/99: Per e-mail from Colin, some of this requirement is now met by the jitter test patterns which are in the 0.6 draft. Is more needed?; 4/28/99: Lou will contact Eric Hannah and solicit Eric for a formal proposal; Lou pointed out that the extensions to this SCAT item were advanced a bit with				

SCATNo	Title	Owner	DateEntered	StatusDate
28	Beta Speeds Less than S800 on Copper	Copperheads	12/10/1998	3/24/1999
Description				
When connecting a Bi-Lingual socket (new?) to a Beta only socket via a "special" cable, it may be a good thing to support Beta communication at speeds less than S800				
Status				
Y-DONE				
NextActions				
03/24/99: Yes - a bilingual plug/socket is goodness. It may or may not be good to do beta less than S800. Jerry provided his interconnectivity write-up. David presented at the Plenary at work is under way to ratify bilingual speed limits. If the model understood on 2/18/99 is to be followed, Beta only must start at S400 and go upwards. Discussions at the 3/23/99 plenary may leave the 2/18/99 model no longer valid. There will lbe, however, a lowest common				

SCATNo	Title	Owner	DateEntered	StatusDate
30	B.O.S.S. State machine & Code	Accelerations	2/10/1999	6/9/1999
Description				
The state machine for B.O.S.S. and the 'C-Code" for B.O.S.S. needs to be completed				
Status				
Y-DONE				
NextActions				
06/09/99: Code complete and has been included in draft spec. 0.60; 03/24/99: 'C'-code yet to be done prior to the June plenary meeting. Presentation given at 3/23/99 plenary. Group to review description.				

SCATNo	Title	Owner	DateEntered	StatusDate
34	Max Packet Size - Async	Eric Hannah	3/12/1999	6/6/1999
Description				
Place into the draft specification the decision to limit asynchronous maximum packet size to 4K bytes				
Status				
Y-DONE				
NextActions				
04/30/99: Per an e-mail from Colin, this issue item is closed (albeit Eric used the value of 2K instead of 4K - the 4K number is the correct number and the draft spec shall be updated to reflect this correction).; 03/12/99: Eric to include this information in draft 0.18				

SCATNo	Title	Owner	DateEntered	StatusDate
35	Crossover	Upstarts/UTP	3/23/1999	3/24/1999
Description				
Upstart algorithm to include crossover resolution				
Status				
Y-DONE				
NextActions				
06/09/99: This has been in the draft for a while (since draft 0.17); 03/24/99: Colin to prepare an implementation for Upstarts and put it into the spec. draft 0.18				

SCATNo	Title	Owner	DateEntered	StatusDate
38	Hard_Disable - Default State	Colin Whitby-Strevens	4/13/1999	6/6/1999
Description				
Colin's proposal is for the hard-disable flag to be false, so that the behaviour from the software point of view is as close as possible to 1394a. Seeing a point from Nyu-San, here may be a desire to have the default save more power in the case of the disabled port. Therefore, open discussion and consensus is needed.				
Status				
Y-DONE				
NextActions				
06/09/99: After some discussion, the point being made that software would have to be different than that for A"" and the optional "strap" option no longer becomes optional led the group to determine that the default shall be left to false (zero); 04/30/99: Per an e-mail from Colin, this issue item is nearly done - all left to reach DONE status is to decide whether to change the default value of the Hard Disable bit.				

SCATNo	Title	Owner	DateEntered	StatusDate
39	Normalize Snnn Terminology	Eric Hannah	4/22/1999	4/22/1999
Description				
Use of Speed Transmission numbers and designators are inconsistent.				
Status				
Y-DONE				
NextActions				
06/07/99 Draf 0.60 has removed the inconsistencies				

SCATNo	Title	Owner	DateEntered	StatusDate
47	Depracation of Max_speed in PHY register MAP	Upstarts	4/30/1999	6/6/1999
Description				
Upstarting negotiates speed on per port basis. Max_speed is a node number. Why is Max_speed needed in a 1394B PHY?				
Status				
Y-DONE				
NextActions				
06/06/99: Colin has completed his action here (on 4/30/99) and as of 06/06/99 there has been no scream response, therefore, this issue item is DONE - Max_speed has been deprecated; 4/30/99: Deprecate Max_speed in the next revision of the draft. Socialize this effort on the reflector. Wait for "scream" response - if none, leave deprecated. .				

SCATNo	Title	Owner	DateEntered	StatusDate
7	High Speed Copper Cables	Max Bassler	12/10/1998	4/8/1999
Description				
Copperheads have verified that an "Enhanced Plug/Socket" 1995 cable functions at S800 for both Data Strobe & Beta Mode. A question exists as to whether a standard plug/cable will function with an enhanced socket at S800 for Beta mode.				
Status				
Z-CLOSED				
NextActions				
4/8/99: Mike make this irrelevant if we approve new connector scheme with Beta-only and Bi-lingual plug. 3/24/99: No longer a need based upon events occurring in the 3/23/99 Plenary				

SCATNo	Title	Owner	DateEntered	StatusDate
14	A/B PHY-Link Interoperability	PHY-Link	12/10/1998	4/8/1999
Description				
A-Link to B-PHY operating model				
Status				
Z-CLOSED				
NextActions				
4/8/99 - If B-PHYs work with A-Links, they must be able to step down to 50 MHz. B-PHY & A-Link is an OPTIONAL implementation. If such an implementation is to be done, then it will be requisite on the implementor to use the A Spec to insure a successful implementation. The B-PHY would then be limited to S400 maximum communication to the link. The PHY can only process legacy formatted packets when running in the "A" compatible mode.				

SCATNo	Title	Owner	DateEntered	StatusDate
23	DC BIAS	Steve Bard	12/10/1998	3/24/1999
Description				
Complete DC BIAS Specification				
Status				
Z-CLOSED				
NextActions				
4/8/99: No Action Taken; 3/24/99: Steve Bard has requested the contributor of this SCAT item to identify the issue. If no one speaks up, this item will be CLOSED.				

SCATNo	Title	Owner	DateEntered	StatusDate
24	IRM	David Wooten	12/10/1998	3/24/1999
Description				
Changes to IRM (band-width & channels allocation)				
Status				
Z-CLOSED				
NextActions				
06/09/99: Clause 9.2.8 in IEEE 1394a-1999 obsoletes this SCAT issue table entry. 3/24/99 Same 2/18/99 -It is possible that this has been obsoleted. Peter J. is to write up the proposal from Unibrain. Action on this SCAT to be delayed until Peter's informative write-up can be reviewed. This shall be taken back to the plenary for review and decision.				

SCATNo	Title	Owner	DateEntered	StatusDate
26	Error handling	PHY-Link	12/10/1998	6/6/1999
Description				
Delayed error detection & reporting (receiving a packet, data looks correct (good CRC), but the data end reveals that it is, in fact, incorrect - a method is needed to report the event across the PHY-Link interface).				
Status				
Z-CLOSED				
NextActions				
4/30/99: Per e-mail from colin, no action will be taken on this issue item. There will be no such error reporting; 3/4/99: This will be resolved upon completion of SCAT #37				

SCATNo	Title	Owner	DateEntered	StatusDate
29	"B" Root	David Wooten	2/10/1999	6/9/1999
Description				
How does one go about making certain a "B" node is ROOT (if a "B" node exists on the bus). Does it make sense to have a "B" root if there is no "B" link?				
Status				
Z-CLOSED				
NextActions				
06/06/99: SCAT discussed the new border node functionality and came to the conclusion that root hold-off bit continues to be the only mechanism needed; 03/24/99: The root hold-off bit works fine in a managed bus environment. It is not expected that performance optimizations are needed in an unmanaged bus. The only concern is root hold-off bit "wars." Deferring further action to "Peter Johansson type activity" for any further resolution. 2/10/99: David will return				

SCATNo	Title	Owner	DateEntered	StatusDate
33	Beta Only Copper Speed	Colin Whitby-Strevens	2/10/1999	3/24/1999
Description				
Speed ranges for new Beta copper connector				
Status				
Z-CLOSED				
NextActions				
Because this subject has been covered rather adequately in other SCAT entries. 2/10/99: Colin will socialize this topic on the reflector - with influence toward "faster is better"				

SCATNo	Title	Owner	DateEntered	StatusDate
37	Packet truncation	B-Port (Alistair)	3/24/1999	6/17/1999
Description				
How do we truncate a packet and when? (e.g. code violation - disparity). What happens if one receives a "busted" data_end (like the packet got longer)				
Status				
Z-CLOSED				
NextActions				
06/17/99: Now an arb state machine problem - This ISSUE is superceded by SCAT # 55 (Identify & Deal with all the problems concerning loss of synch); 06/09/99: Contine review of error cases. Alistair will have a report available for discussion at the next SCAT meeting; 03/24/99: Continue discussion offline.				