

EFM Copper

Work for the week

EFM September, 2002

**Hugh Barrass (Cisco Systems),
Chair. IEEE 802.3ah copper sub task force**

Quick summary

- **Success from Vancouver**

Baselines adopted – 10PASS-T, 2PASS-TL, 2BASE-TL

New objective passed

Draft 0.9 adopted

Massive consensus – great votes

Thank you, thank you thank you!

- **Draft 1.0 published**

Comments received: 192 total

- **Goals for the week**

Process comments

Adopt basis for next draft

Takes precedence over all other discussion!

The plan

- **First things first!**
Monday afternoon – Clause 61 opening parts & MAC/PHY
- **Continuing the process**
Tuesday morning and afternoon – Clause 61 (continued)
Afternoon session in joint with OAM
- **Then onto the PMDs**
Wednesday morning – Clause 62
Wednesday afternoon – Clause 63
- **Finishing off**
Thursday morning – Annex 61A
Other business – motions & liaisons

Problems/Challenges

- **Copper bloat!**
 - Our clauses need a diet (more than our chairman!)
 - Our editors are working on slimmer versions
 - We must review & adopt them this week to avoid falling behind
- **The great divide**
 - Whether it's linecode or PHY wars...
 - Decisions will be made – T1E1 making their moves
 - Please keep hostilities civil!
- **Open issues**
 - Encapsulation, handshaking
 - Detailed proposals – we must close this week
- **Complexity and completeness**
 - Tremendous complexity – we must make sure we have sufficient review
 - Doubly difficult with large amounts of reference material

Voting and comments FAQ

- **New FAQ in 802.3 web page**
Prepared to help voters through the ballot and comment process
<http://grouper.ieee.org/groups/802/3/rules/votes.html>
Or follow the links from 802.3
- **CSMACD Home page →**
Other information, Requirements for Voting →
Frequently Asked Questions page
- **What's in it?**
Approve/Disapprove differences and obligations
“E” “T” or “TR” explanations
Some other terms: “Hound Dogging” “Piling On” etc.
Timing & procedure
... and of course voting rights and responsibilities

Extra Work Plan

- **We're late!**
 - As of Wednesday morning we are 28 comments behind
 - This represents 4 hours (estimated)
 - More than we have buffered
- **Extra session**
 - Propose an extra session Wednesday evening: 7.00pm – 9.00pm
 - Break at 6.00pm for dinner
 - It's going to rain...
- **Cutting off the tail**
 - No time for discussion on Annex 61A (informative)
 - Implicitly modified by Scott's document plan
- **Compress Clause 63 discussion**
 - Major surgery postponed
 - Enhanced SHDSL & ADSL Annex J both remain in

End report

- **Comments resolved, Clauses adopted ☺**
 - Clause 61 & Clause 62 finished
 - Clause 63 started, not completely covered
 - Annex 61A not discussed
- **Big ticket discussions, big resolution!**
 - Loop Aggregation Function – now PMI Aggregation Function
 - Header formats, discovery, CRC implementations – all OK
 - Many more smaller items resolved
- **Encapsulation- nearing conclusion**
 - New proposal reviewed, significant (& productive) discussion
 - Aim to adopt best proposal next meeting
- **Other significant items**
 - Style disparity resolved – methodology converging
 - Joint with OAM – new document structure adopted
 - Plus, of course, liaisons – including significant ITU-T liaison

Encapsulation Straw Poll (Chicago rules)

- HDLC
18
- Block substitution (66byte/64byte)
20
- Block substitution (66bit/64bit)
16
- GFP
30
- Other
3

Encapsulation Straw Poll (One only)

- HDLC
15
- Block substitution (66byte/64byte)
7
- Block substitution (66bit/64bit)
4
- GFP
5
- Other
1

Encapsulation Straw Poll (Negative – would you reject it)

- HDLC
7
- Block substitution (66byte/64byte)
0
- Block substitution (66bit/64bit)
17
- GFP
0

Document Structure

- **Adopt the presentation `simon_copper_1_0902.pdf` as a basis to change the document structure for the 802.3ah draft regarding copper objectives**
- **P: Scott Simon S: David Law**
- **Y: 25 N: 0 A: 0**

Adopt the draft (45)

- **Adopt draft 1.0 of Clause 45 and all resolved comments as the basis of draft 1.1 of Clause 45**
- **P: Scott Simon S: Hugh Barrass**
- **Unanimous by acclamation**

Adopt the draft (61)

- **Adopt draft 1.0 of Clause 61 and all resolved comments as the basis of draft 1.1 of Clause 61**
- **P: Hugh Barrass S: Behrooz Rezvani**
- **Y: 15 N: 0 A: 1**

Adopt the draft (62)

- **Adopt draft 1.0 of Clause 62 and all resolved comments as the basis of draft 1.1 of Clause 62**
- **P: Hugh Barrass S: Behrooz Rezvani**
- **Y: 18 N: 0 A: 1**

T1E1 Liaison

- **Adopt letter as prepared by Hugh Barrass to send as a liaison to committee T1E1.4**
- **P: Bill Quackenbush S: George Cravens**
- **Passed by acclamation unanimously**

ITU-T Liaison

- **Adopt letter as prepared by Barry O'Mahony to send as a liaison to committee ITU-T Q4/SG15**
- **P: Chris Hansen S: George Cravens**
- **Y: 28 N: 0 A: 0**

TF - Document Structure

- **Adopt the presentation `simon_copper_1_0902.pdf` as a basis to change the document structure for draft 1.1 regarding copper objectives**
- **P: Hugh Barrass on behalf of the CuSTF**
- **(in CuSTF Y: 25 N: 0 A: 0)**
- **Unanimous by acclamation**
- **802.3 Y: nnn N: n A: n**

TF - Adopt the draft (45,61,62)

- **Adopt draft 1.0 of Clauses 45, 61 and 62, along with all resolved comments as the basis of draft 1.1 of Clauses 45, 61 and 62**
- **P: Hugh Barrass on behalf of CuSTF**
- **(in CuSTF – Unanimous, Y: 15 N: 0 A: 1, Y: 18 N: 0 A: 1)**
- **Unanimous by acclamation**
- **802.3 Y: nnn N: n A: n**

TF - T1E1 Liaison

- **Send letter as prepared by Hugh Barrass and modified by .3ah as a liaison to committee T1E1.4**
- **P: Hugh Barrass on behalf of CuSTF**
- **(in CuSTF - Passed by acclamation unanimously)**
- **Unanimous by acclamation**

TF - ITU-T Liaison

- **Send letter as prepared by Barry O'Mahony and modified by .3ah as a liaison to committee ITU-T Q4/SG15**
- **P: Hugh Barrass on behalf of CuSTF**
- **(in CuSTF - Y: 28 N: 0 A: 0)**
- **Unanimous by acclamation**

TF - Adopt the draft (63)

- **Adopt resolved comment #510 and produce a draft 1.1 of Clause 63.**
- **P: Hugh Barrass S: Bill Quackenbush**
- **Unanimous by acclamation**

TF - Adopt the draft (61A)

- **Include (informative) Annex 61A of draft 1.0 in draft 1.1.
All comments will remain valid for the new draft.**
- **P: Hugh Barrass S: Tom Mathey**
- **Unanimous by acclamation**

Please read the draft...

- Questions?