

Comments & Charter Docs

IEEE 802.3cg 10 Mb/s SPE

Version 1

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Long Beach, CA USA

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GraCaSI S.A.

**FIRST,
A REPORT CARD
ON
HOW ETHERNET IS DOING
AFTER 39 YEARS**

A History of Ethernet

BOB METCALFE

17 JULY, 1980

CHRONOLOGY

| EPOCH | RMM | ETHERNET |
|-------------|--------------|-------------------|
| 1946 – 1973 | Student | - |
| 1972 – 1975 | Scientist | PARC Ethernet |
| 1976 – 1979 | Manager | Xerox Wire |
| 1979 – 1989 | Entrepreneur | Industry Standard |
| 1990 – 2046 | Investor | <u>Kluge</u> |

My Purpose:

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To MINIMIZE, as best I can
Ethernet from becoming a
KLUGE

Today's topic:

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Draft text and comments subject to
external control

External Control:

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- External vs. Internal Control
- What do I mean?
 - Internal

Most details of the draft, fully at the discretion of the balloting groups.
 - External

Text in the draft or comments related to: PAR scope, CSD/5C, Objectives

My Concern: External

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- ISSUE: Inclusion of PLCA in the draft
- PROBLEMS
 - PLCA is a “shared media access method” that (dynamically) replaces CSMA/CD. Therefore, it belongs in the MAC sub-layer.
 - There is no mention of PLCA or any other MAC work in the project paper work. P802.3cg is advertised as a “Physical Layer” project.

Why is this a problem?

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- We didn't do a CSD for a MAC project.
- We aren't fulfilling an objective with PLCA
- We didn't generate requirements for a new shared medium access method.
- We didn't do a competitive evaluation
- We have used valuable TF bandwidth on out-of-scope work.
- We will not advertise the correct scope for our Sponsor Ballot Group.

What will Geoff do?

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- He will not drop this issue.
- It will be brought up when it is time for 802.3 to reapprove the PAR & CSD
- It will be brought up when it is time for 802 EC to reapprove the PAR & CSD (Disapprove here = Unexplored terr.)
- If the PAR & Draft don't match for Sponsor Ballot I will DISAPPROVE on that basis.
- If my comments are blown off then...

What will Geoff do? (2)

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- then...
- I will file an appeal with one of the following possible outcomes:
 - I lose the appeal (Approval may be held up 'til Appeal is complete)
 - My Appeal is upheld:
 - PAR gets rewritten, re-advertise and form new ballot group, redo Sponsor Ballot.
 - PLCA gets removed from cg draft redo Sponsor Ballot

RESULT:

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- **SIGNIFICANT SCHEDULE RISK !**

What should be done (GOT opinion):

- Remove PLCA from cg draft before Sponsor Ballot.
- Do a CFI in 802.3 for a new shared media access method for low speed half duplex.
- (I support this. It is the correct thing to do and has the lowest schedule risk.)

THANK YOU
for
your time, consideration
and participation.

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STANDARDS ADVISORS

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