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# Comments & Charter Docs

IEEE 802.3cg 10 Mb/s SPE

Version 2
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Long Beach, CA USA

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

# A History of Ethernet

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**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 | Kluge |

# My Purpose:



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

# What might others do?

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- Object to scope violation anywhere in the process, from Ballot Group formation to (or even after) SASB approval.
- Possible result: Scope issue will be decided outside of cgTF and 802.3.

# 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 most correct thing to do and has the lowest schedule risk for cg.)

# Another way out:

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- Modify PAR to include:
  "MAC augmentation" in addition to Physical Layer in the scope.
- Get authorization to do this @ 802.3 on Thursday evening.

• 802 Plenary:March 11 - 14
• NesCom submittal deadline: 22 March
• Nescom teleconf: 2 May

- Allows Ballot Group formation as early as 3 May to 3 June.
- Bullet proof the issue in Sponsor Ballot

# Geoff's goals:

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- Play by the rules.
- Produce/maintain quality standards and processes.

- Generate BULLET PROOF approval and submittal packages.

THANK YOU
for
your time, consideration
and participation.

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