IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force Opening Report

George A. Zimmerman

CME Consulting / ADI, APL Group, Aquantia, BMW, Cisco, CommScope

Bangkok, Thailand

12 November 2018

IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force Project information

Task Force Organization

George Zimmerman, IEEE P802.3cg Task Force Chair

Jon Lewis, IEEE P802.3cg Task Force Secretary

Valerie Maguire, IEEE P802.3cg Task Force Chief Editor

Peter Jones, Architecture Ad Hoc Chair

Task force web and reflector information

Reflector information: http://www.ieee802.org/3/cg/reflector.html

Home page: http://ieee802.org/3/cg/index.html

PAR: http://www.ieee802.org/3/cg/P802_3cg_PAR_140518.pdf

CSD: https://mentor.ieee.org/802-ec/dcn/18/ec-18-0079-00-ACSD-802-3cg.pdf

Objectives http://www.ieee802.org/3/cg/objectives_3cg_0318.pdf

Approved timeline: http://www.ieee802.org/3/cg/adopted_802d3cg_timeline_0517.pdf

Private area: http://ieee802.org/3/cg/private/index.html

Note: The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights

IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force Activities since July 2018 plenary
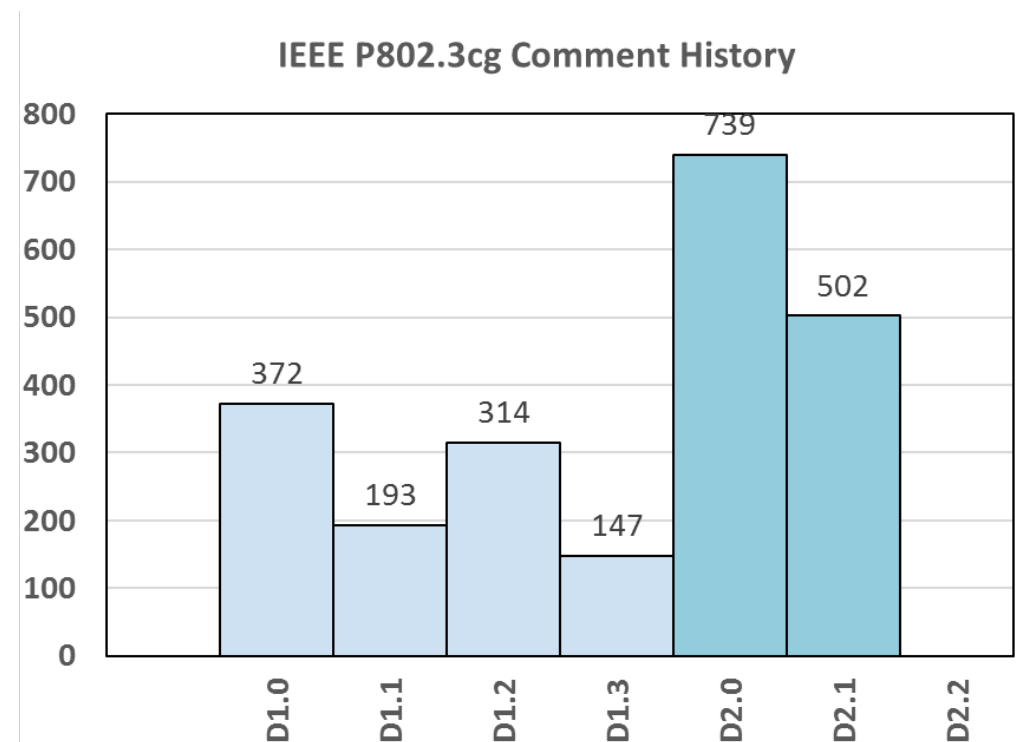
Conducted Initial Working Group Ballot on 802.3cg draft 2.0

Met during the September 2018 interim meeting series – Resolved comments

Created draft 2.1, Conducted 1st Working Group Recirculation

Received 477 comments + 25 late comments on draft 2.1

	D2p0	D2p0%	D2p1		Required
Voters	249		249		
Return	139	55.82%	150	60.24%	>50%
Approve	100	80.65%	115	85.19%	>75%
Disapprove w/comment	24	19.35%	20	14.81%	<25%
Disapprove w/o comment	0	0.00%	0	0.00%	
Abstain	15	10.79%	15	10.00%	<30%
Comments	710		455		
Comments w/floor	726		477		
Comments w/floor & late	739		502		

IEEE P802.3cg Comment History

D1.0: 372, D1.1: 193, D1.2: 314, D1.3: 147, D2.0: 739, D2.1: 502, D2.2

IEEE P802.3cg 10 Mb/s Single Pair Ethernet
Adopted Timeline (July 2018)

- ✓ January 2017 – First Task Force meeting
- ✓ July 2017 – Objectives Finalized, Draft 0.1 (skeleton), all baselines presented
- ✓ September 2017 – Baselines selected, draft 0.9 for Task Force Review
- ✓ **November 2017 –Last features selected - Task Force Review D1.0,** Nov:D1.0, Jan:D1.1
- ✓ March 2018 –Task Force Review (D1.2)
- ✓ May 2018 – Task Force Review (D1.3)
- ✓ July 2018 – Draft 2.0, request working group ballot

  ==*YOU ARE HERE – Recirculate and resolve comments...*==

- ➢ **March 2019 – D3.0 – enter Sponsor ballot (2 recircs May'19:D3.1, July'19:D3.2)**
- ➢ **July 2019 – Request approval to proceed to Revcom out of July plenary**
- ➢ **September 2019 Standards Board approval**

IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force Meeting week plan

Goals for the meeting

Consider and resolve all comments against draft 2.1

Issue draft 2.2 for 2nd Recirculation

Consider whether and when to hold off-cycle interim

Big ticket items

Reduce unsatisfied comments/commenters (currently 12 commenters, but 88 comments)

Improve PLCA performance for priority traffic

Improve informative language related to EMC and safety specifications

Resolve 'link status' for Auto Negotiation on half-duplex 10BASE-T1S

Resolve MDI connector recommendations

Questions?

Thank you!