

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

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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>

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IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force Activities since March 2018 plenary

Met during the May 2018 interim meeting series

Major items discussed, decisions made and actions

- Reviewed and resolved 314 comments on draft 1.2

- Closed most TBDs and technical issues on both 10BASE-T1S and 10BASE-T1L

- Adopted augmentations to Clause 104 powering

- Two related technical issues escaped consensus:

 - Changes to the 10BASE-T1S preamble, and support of a 10BASE-T1S OAM channel

- Chartered generation and review of draft 1.3,

- Authorized pre-circulation of draft 1.3 in anticipation of requesting Working Group ballot at July close

Current status

- Task Force review of draft 1.3 closed 19 June 2018

- 147 comments received (59 on the two unclosed issues)

 - Chair's review indicates comments have been received to close all remaining technical issues.

 - Comment breakdown at:

 - http://www.ieee802.org/3/cg/comments/D1p3_comment%20breakdown.pdf

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Adopted timeline

- ✓ 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, ~~possible Feb 2018 extra off-cycle interim, D1.2~~
- ❖ **March 2018 – Complete Task Force Review(D1.2/1.3) [Slip]**
 - PAR Modification – March/May 2018
 - May 2018 – Task Force Review D1.3
- ❖ **May 2018 – Draft 2.0, enter working group ballot (2 recircs: July:D2.1, Sept:D2.2)**
 - [Slip 1 meeting: Expect to Request this meeting - July]**
- Nov 2018 – D3.0 – enter Sponsor ballot** (2 recircs Jan'19:D3.1, Mar'19:D3.2)
 - [Likely slip to January 2018]*
- June 2019 Standards Board approval**
 - [Still achievable, but aggressive]*

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Meeting week plan

Goals for the meeting

- Consider and resolve all comments against draft 1.3
- Produce technically complete draft 1.4
- Prepare for request to proceed to Working Group ballot
- Revise timeline

Big ticket items

- Resolve 10BASE-T1S OAM (Clause 45 registers have it, Clause 147 does not)
- Determine whether to adopt improved preamble
- Resolve remaining TBDs and Editor's notes in draft

Questions?

Thank you!