IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force Closing 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: <u>http://www.ieee802.org/3/cg/P802_3cg_PAR_140518.pdf</u>

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_0718.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 this week

Met Monday 7/9 afternoon and half-day Tuesday 7/10

93 total attendees (Monday 80, Tuesday 77)

Major items discussed, decisions made and actions

Resolved 147 comments on draft 1.3

- * Resolved to delete registers for OAM/UD channel in 10BASE-T1S
- * Resolved to adopt improved preamble for 10BASE-T1S
- * Resolved and removed TBDs and numerous editor's notes in the draft
- * General clean up of management and registers for 10BASE-T1S and PLCA

Chartered draft 2.0 preparation and requested to progress to WG ballot Reviewed and adopted new timeline

IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force Activities this week (cont'd)

Broad consensus:

Motion #5

- <u>Motion #5:</u> Accept the proposed resolution "ACCEPT IN PRINCIPLE" to comment 92 – MASTER comment for OAM_REMOVAL
- M: James Withey
- S: Tim Baggett
- Y: 46 N:1 A: 8
- MOTION PASSES (Technical (>= 75%))

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Motion #6

- Generate Draft 2.0 from draft 1.3 and the closed comments, and request that IEEE 802.3 progress the draft to WG Ballot.
- M: Valerie Maguire
- S: Kirsten Matheus
- Y: 64 N: 0 A: 0
- MOTION PASSES (Technical (>= 75%))

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Summary of Changes made to 802.3cg Preview Draft

- General Editorial cleanup (e.g., all: removing leftover "twisted pair" references, Cl 22: "RS" for "Reconciliation Sublayer", Cl 45: Footer notes on tables with "R/W", removal of Editor's "reminder" notes, verb tenses, capitalization, etc.)
- CI 30 & 45 Inserting management parameters for PLCA max ID, Local Node ID, and TO Timer settings registers and MIB objects.
- CI 45 Cleanup of (CI 45) register space for 10BASE-T1S deleted functions not relevant to T1S: training register, LPI monitors, PCS blocking, link status), resulted in deletion of T1S Training register and T1S PCS Status register 2)
- CI 45 Removal of OAM register control and status for OAM channel for 10BASE-T1S. (CI 45) (Big ticket item)
- CI 45 Insertion of 'multidrop mode' status and control for T1S
- CI 45 Insertion of missing PLCA reset bit inadvertently omitted.
- CI 146 Editorial ("can" for "may" and moving a label in Figure for alien crosstalk noise test), removal of editor's notes from
 prior drafts, insertion of editor's notes referencing cabling and IEC EMC test specifications under development, editorial on the
 link segment EMC/MICE tables (e.g., insertion of >=)
- **CI 147: Resolve timing TBDs** including removal of "MBd" notation (confusing for DME and not necessary)
- CI 147: Adoption of revised preamble (JJHH) and associated text (mainly in PCS receive)
- CI 147: Editorial Insertion of block diagram figures and removal of editor's notes
- CI 147: PMA transmit voltage specifications
- CI 147: Insertion of alien crosstalk rejection test and figure
- CI 147: PHY delay specification
- CI 148: Text related to management parameters for PLCA (above) and removal of editor's notes.

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Desire to step through the 802.3cg draft changes?

Posted draft at:

http://www.ieee802.org/3/cg/private/8023cg_D2p0.pdf

Posted compare at:

http://www.ieee802.org/3/cg/private/8023cg_D2p0_CMP.pdf

Change pages only at:

http://www.ieee802.org/3/cg/private/8023cg_D2p0_CMPcha nged.pdf

WG Motion

Move that the IEEE 802.3 Working Group progress the IEEE P802.3cg draft to Working Group ballot.

- M: George Zimmerman
- S: Jon Lewis
- Y: N: A:
- Motion Passes/Fails (Technical > 75%)

IEEE P802.3cg 10 Mb/s Single Pair Ethernet Previously 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, possible Feb 2018 extra off-cycle interim, D1.2
- March 2018 Complete Task Force Review(D1.2/1.3) [Task Force review to continue]

May 2018 – Draft 2.0, enter working group ballot (2 recircs: July:D2.1, Sept:D2.2) [Probably at least July]

Nov 2018 – D3.0 – enter Sponsor ballot (2 recircs Jan'19:D3.1, Mar'19:D3.2) June 2019 Standards Board approval

[NOTE: only 1 meeting cycle slack spread between WG ballot and Sponsor Ballot]

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

- ✓ January 2017 First Task Force meeting
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- ✓ 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
- 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

Questions?

Thank you!

Version 1.1

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