

IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13) Closing Report

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IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13)

Project information

Task Force Organization

Chad Jones, Task Force Chair

Lennart Yseboodt, Task Force Chief Editor

David Abramson, Task Force Comment Editor

Task Force web and reflector information

Reflector information: <http://www.ieee802.org/3/maint/reflector.html>

Home page: <http://www.ieee802.org/3/cq/index.html>

PAR: http://www.ieee802.org/3/cq/P802d3cq_PAR.pdf

Approved timeline: http://www.ieee802.org/3/cq/P802d3cq_Timeline_V1.pdf

Private area: <http://www.ieee802.org/3/private/maint/cqballot/index.html>

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Progress this week

Met Tuesday

14 on attendance sheet

11 comments closed

2 presentations reviewed

Motioned to proceed to Working Group ballot

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Comment review

Note: All unchanged text in Clause 33 will be deleted for D2.0 (as noted in the draft)

Comment: CI 1.4.324, P18, L12: The definition of MDI in the 2018 published standard doesn't include a reference to clause 145.

Resolution: Change the following text in the referenced clause from: “(optional per IEEE Std 802.3, Clause 33)” to: “(optional per IEEE Std 802.3, Clause 33 **and 145**)”

Comment: CI 33, P19, L4: States that draft is drawn from IEEE Std 802.3-2018. Draft should be drawn upon IEEE Std 802.3 – 2018 plus published amendments. In particular, the one that is relevant is IEEE Std 802.3bt – 2018.

Resolution: Change all reference to the base standard to latest approved standard including amendments. (Header of Clause 33 is wrong)

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Comment review

Comment: Cl 33.1, P19, L15: Clause does not sufficiently restrict the scope to the actual scope of the clause, i.e. multi-pair.

Resolution: Change: "...for deployment over balanced twisted-pair cabling."

To: "...for deployment over **multiple pair** balanced twisted-pair cabling."

Comment: CL 33.1.3, P21, L38: Circular reference, Change "406" to "308" or (preferably to "link section")

Resolution: This sentence is referring to the PI which is defined in 1.4.406 in the 2018 standard.

Change sentence to:

The Power Interface (PI), **as defined in 1.4.406**, is the mechanical and electrical interface between the Power Sourcing Equipment (PSE) or Powered Device (PD) and the transmission medium.

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Comment review

Comment: Cl 33.2.7.8, P50, L53: The section on turn off time has this to say:

"The PSE remains in the IDLE state as long as the average voltage across the PI is V Off."

This makes no sense... if this were true the state diagram would be stuck in IDLE forever, because the voltage in IDLE is required to be less than Voff.

Resolution: Delete sentence.

Comment: Cl 33.2.8, P51, L38: "A PSE does not initiate power provision to a link if the PSE is unable to provide the maximum power level requested by the PD based on the PD's class."

Statement is incorrect as it would disallow power demoting a Class 4 PD to Class 3. We fixed this in BT and the same text can serve us here.

Resolution: Replace by:

"A PSE does not initiate power provision to the link if the PSE **has less than Class 3 power available and the connected PD requests more than the available power.**"

IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13) Motion

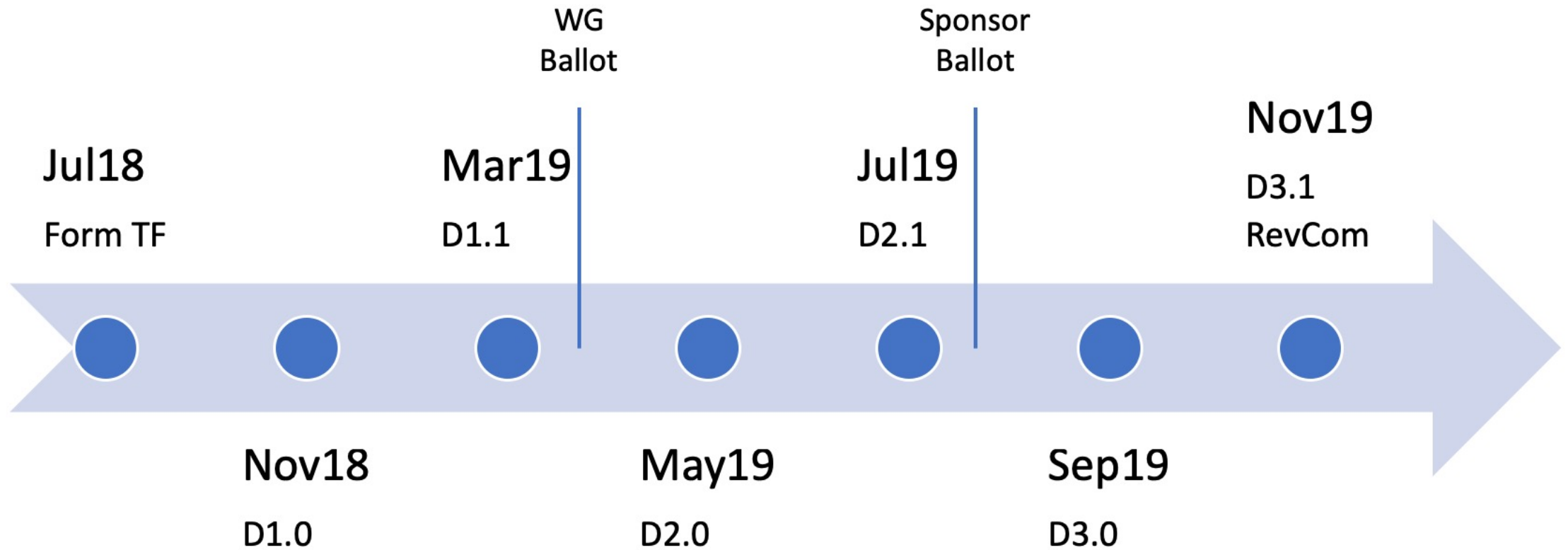
Move that the IEEE 802.3 Working Group progress the IEEE P802.3cq draft to Working Group ballot

Moved by Chad Jones on behalf of the Task Force

Technical, $\geq 75\%$

Y: xx N: xx A: xx

IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13) Adopted timeline



Version 1.0 – Nov 12, 2018

IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13) Future Work

Hold initial Working Group ballot

Meet in May to resolve comments

Questions?

Thank you!