

IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force

Report to 802.3 Working Group

Geneva, Switzerland

Jan 23rd, 2020

Mark Nowell, Cisco

IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force Project information

Task Force Organization

Mark Nowell, Cisco, Chair

Kenneth Jackson, Sumitomo Electric, Recording Secretary

Gary Nicholl, Cisco, Editor-in-Chief

Task Force web and reflector information

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

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

Project Documentation

PAR: http://www.ieee802.org/3/cu/P802_3cu_PAR.pdf

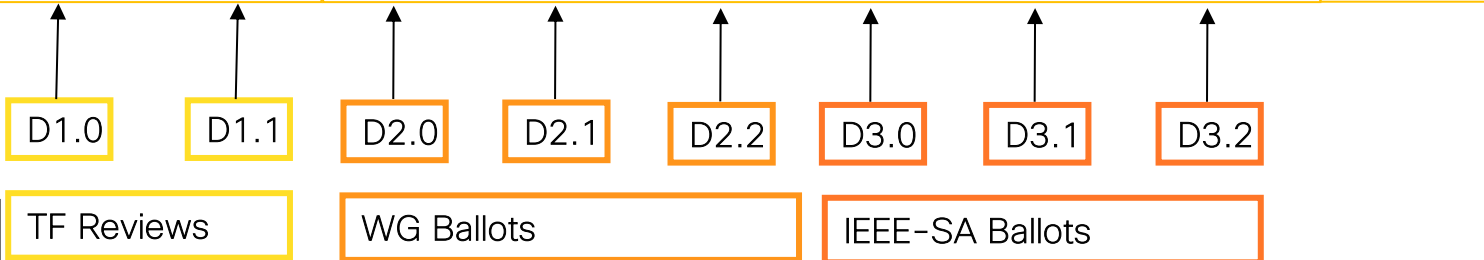
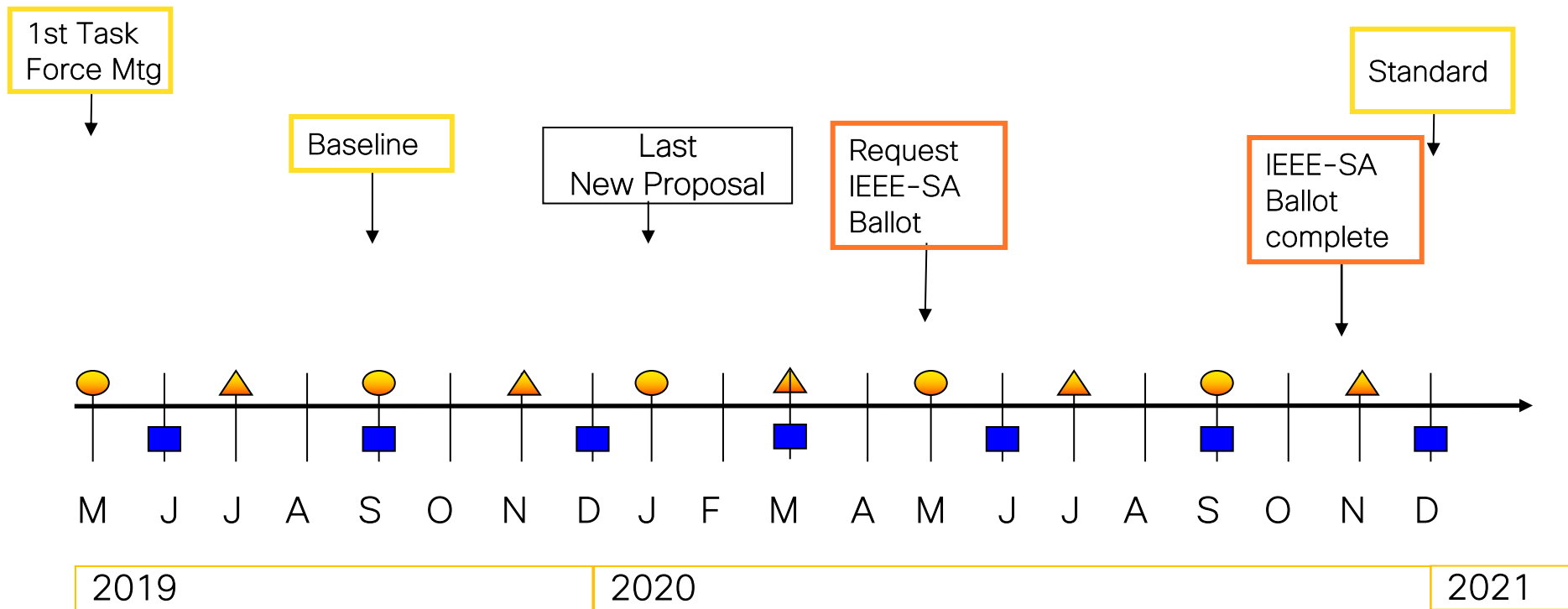
CSD: <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0062-00-ACSD-p802-3cu.pdf>

Objectives: http://www.ieee802.org/3/cu/Objectives_Aproved_Sept_2019.pdf

Timeline: http://www.ieee802.org/3/cu/P8023cu_Timeline_Aproved_Nov_2019.pdf

Private Area: <http://www.ieee802.org/3/cu/private/index.html>

IEEE P802.3cu Task Force adopted Timeline

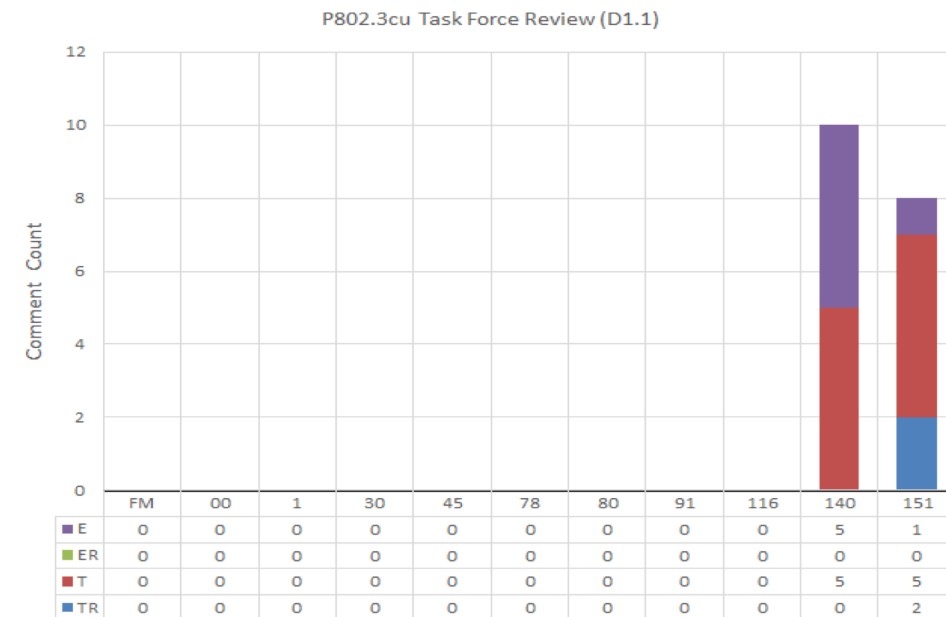
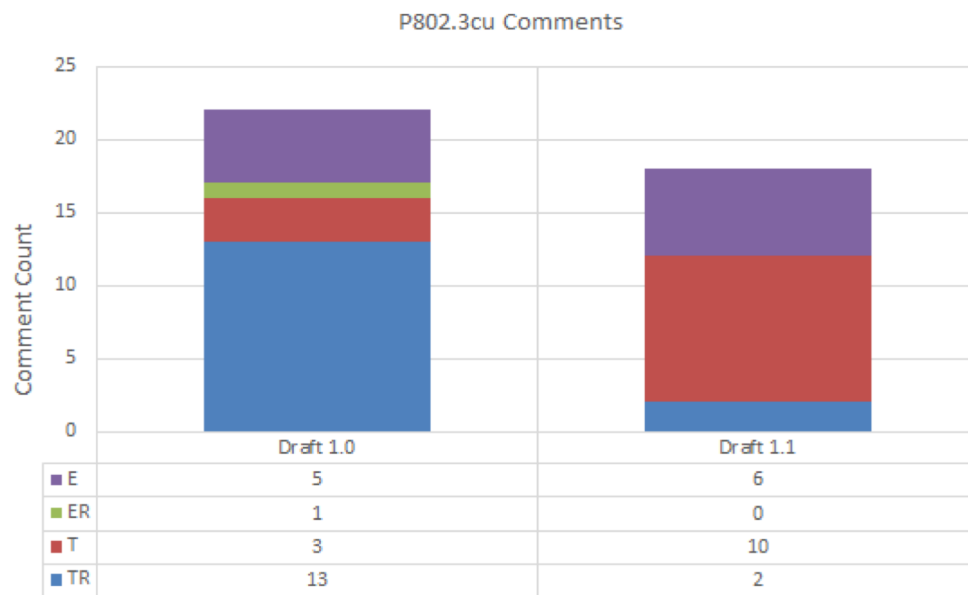


RevCom Submittal dates
 • 13 Oct 2020

Legend
 ▲ IEEE 802 Plenary
 ● IEEE 802.3 Interim
 ■ IEEE-SA Standards Board

IEEE P802.3cu: Progress Update

- Draft 1.1 pre-submitted for Approval to move to Working Group Ballot
- D1.1 review held
 - Opened: Tuesday, 26th November 2019
 - Closed: Wednesday 11th December 2019
 - 18 comments received from 3 reviewers – 3 comments withdrawn



Pre-TF Review, 150 comments resolved on D0.4
http://www.ieee802.org/3/minutes/nov19/1119_cu_open_report.pdf

IEEE P802.3cu: Progress Update

This week:

- 60 attendees
- 3 technical contributions were made
- 5 Motions and 7 Straw Polls were taken.

- All comments against D1.1 resolved.
 - 3 comments withdrawn,
 - 15 comments resolved resulting in changes to the document. 10 resulted in changes.
- Motion #4: Move to:
 - Generate D1.2 from D1.1 and closed comments
 - Authorize the chair to submit D1.2 for consideration of moving to working group ballot
 - Moved by Gary Nicholl
 - Seconded by Chris Cole
 - Y: 27 N: 3 Abstain: 6 Motion Passes

Summary of changes made to D1.1

Changes from the fell into distinct buckets:

| Category of comment | Qty | Clause modified | Detail |
|---------------------|-----|--|---|
| Editorial | 1 | 140 | <ul style="list-style-type: none">Fix table format (Tables 140-6 and 140-8) |
| Transmitter specs | 3 | 140.6.1 151.7.1 | <ul style="list-style-type: none">Remove TDECQ-$10\log_{10}(C_{eq})$ parameterAdd TDECQ-TECQ to remaining PMDs to be consistent through documentAdd TECQ(max) parameter to address interoperability at short reaches |
| Transmitter specs | 2 | 140.6.1 140.7.x 151.7.1 151.8.x | <ul style="list-style-type: none">Add additional transmitter overshoot parameter for all PMDs into tables and descriptions of test into clauses. |
| Receiver specs | 2 | 140.6.2 151.7.2 | <ul style="list-style-type: none">Remove equation references from within Table 140-7 and Table 151-8 to improve readability |
| Receiver specs | 2 | 140.6.2 140.7.x 151.7.2 151.8.x | <ul style="list-style-type: none">Make Receiver Sensitivity (RS) normative for all PMDs |
| Total | 10 | | |

Motion

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

M: Mark Nowell

S: Gary Nicholl

Technical ($\geq 75\%$)

Future Meetings & Ad hocs

Ad-hoc meeting plans

On-going quasi-bi-weekly meetings, agendas will be published.

Timeslot TBD

See: <http://www.ieee802.org/meeting/index.html>

March 2020, Plenary

Week of March 16th, 2020. Atlanta, Ga.

May 2020, Interim

Week of May 18th, 2020. Pasadena, Ca.

July 2020 Plenary

Week of July 13th, 2020. Montreal, QC

Sept 2020 Interim

Week of Sept 21, 2020. Kansas City, Mo.

Anyone interested in hosting an interim meeting contact me or the IEEE 802.3 Executive Secretary Steve Carlson.