IEEE 802 Mar 2021 Electronic Plenary

IEEE 802.3 Ethernet WG Opening Report Mid-session Plenary 11 Mar 2021

IEEE 802.3 Beyond 400 Gb/s Ethernet SG Opening Report

IEEE P802.3 B400G Study Group Project information

- **Study Group Organization**
  - **John D'Ambrosia, Study Group Chair**
  - **Tom Issenhuth, Study Group Recording Secretary**

- **Task force web and reflector information**
  - **Reflector information:**
    https://www.ieee802.org/3/B400G/reflector.html
  - Home page: **https://www.ieee802.org/3/B400G/index.html**

Activities Since Nov 2020 Plenary

- **Jan 14, 2021 Electronic Meeting - https://www.ieee802.org/3/B400G/public/21_0114/index.html**
- **Jan 18, 2021 Electronic Meeting - https://www.ieee802.org/3/B400G/public/21_0118/index.html**
- **February 2021 Session - https://www.ieee802.org/3/B400G/public/21_02/index.html**
  - **Multiple electronic meetings – 2/8 , 2/11**
- **Mar 2021 Session - https://www.ieee802.org/3/B400G/public/21_03/index.html**
  - **Multiple electronic meetings – 3/1, 3/15, 3/22 , 3/29**
  - **Focus of these meetings is technical material**
  - **Straw polls if time available**
  - **Straw polls/ motions will be considered at April 2021 Session**

Straw Polls of Interest (2/8 Meeting)

- Straw Poll #1- I am interested in objectives targeting:

800 Gb/s:	12	(17%)
1.6 Tb/s:	2	(3%)
Both:	43	(61%)
Need more information:	8	(11%)
Abstain:	5	(7%)

- Straw Poll #2- I am interested in development of higher speed electrical interfaces targeting "Beyond 400 GbE" based on:

100 Gb/s per lane:	6	(9%)
200 Gb/s per lane:	12	(17%)
Both	38	(55%)
Need more information:	9	(13%)
Abstain:	4	(6%)

- Straw Poll #3 - I am interested in development of optical solutions targeting "Beyond 400 GbE" with optical signaling per lane based on:

100 Gb/s:	3	(5%)
200 Gb/s:	19	(33%)
800 Gb/s:	4	(7%)
Need more information:	28	(49%)
Abstain:	3	(5%)

No decisions by Study Group have been made at this time.

802.3 Mar Plenary Plans

- **Mar 2021 Session Page - https://www.ieee802.org/3/B400G/public/21_03/index.html**
- **Meeting – 15 Mar 2021, 10am to 1pm, ET**
- **Goals – Consider objectives / CSD / Project Documentation**
- **Presentations**
  - **BER objective for Beyond 400GbE, Xinyuan Wang**
  - **Considerations on 100m objectives for B400G Peter Stassar**
  - **Proposed Objectives for Parallel PMDs Robert Lingle**
  - **OTN support for Beyond 400 Gb/s Ethernet, Steve Trowbridge**
- **Notes**
  - **Other presentations for 3/22 and 3/29 noted on Mar 2021 Session page.**
  - **Straw polls/ motions will be considered at April 2021 Session**

THANK YOU!