

IEEE P802.3dj Task Force – Optics Ad hoc meeting

22 February 2023 Ad hoc Electronic Teleconference Meeting

Approved Meeting Minutes, Prepared by Mark Nowell

Meeting called to order at 10:00 am (all times ET) by Mark Nowell, who was chairing the meeting.

Chair noted that individuals should fill out IMAT information for attendance.

Presentation #1 Agenda and General Information

Presenter: Mark Nowell

URL: https://www.ieee802.org/3/dj/public/adhoc/optics/0223_OPTX/agenda_3dj_optx_adhoc_01a_230222.pdf

The chair asked if there were any modifications for the agenda (See slide #2) – there were none.

There were no other objections to the approval of the agenda, and it was considered approved by unanimous consent.

Minutes – This is the first P802.3dj optics ad hoc. There were no minutes from a previous meeting to approve

The chair noted an email had been sent out to the reflector reminding individuals to review the following IEEE SA policies-

- IEEE SA Participation Policy
- IEEE SA Copyright Policy
- IEEE SA Patent Policy

Chair asked if anyone needed any of these policies reviewed in-depth. There were no requests.

The chair reviewed meeting decorum. See Slide #3.

The chair reviewed voting. No motions, other than approval of agenda and minutes, will be heard. Anyone who feels qualified can vote in a straw poll. The Task Force chair, John D’Ambrosia commented that he may request that a straw poll be taken with 802.3 voters if appropriate. He commented that we traditionally have a rule in Task Forces that anyone in the room who feels qualified can vote, but with the shift to telephonic voting in the last few years, the voting is done with 802.3 voters only, so straw polling with a different constituency may not provide the insights we would be looking for with straw polls to predict what support future motions might have.

John D’Ambrosia took over the chair role while Mark presented

Presentation #2 P802.3dj: A path forward for 10km SMF

Presenter Mark Nowell

URL https://www.ieee802.org/3/dj/public/adhoc/optics/0223_OPTX/nowell_3dj_optx_adhoc_01b_230222.pdf

The material was reviewed and discussed.

The draft straw poll and motion language in the presentation was modified slightly and is included in the ‘01b’ version.

The straw poll deferred until after the following presentation

Mark resumed chairing the meeting.

Presentation #3 Proposal for 10km over Duplex SMF Objectives

Presenter Chris Cole

URL https://www.ieee802.org/3/dj/public/adhoc/optics/0223_OPTX/cole_3dj_optx_adhoc_01b_230222.pdf

The material was reviewed and discussed.

The following straw poll was taken:

I would support the proposal to make the following changes to P802.3dj objectives:

Replace the following objective:

Define a physical layer specification that supports 800 Gb/s operation:

- over a single SMF in each direction with lengths up to at least 10 km,

with the following objectives:

Define a physical layer specification that supports 800 Gb/s operation:

- over 1 wavelength over a single SMF in each direction with lengths up to at least 10 km,
- over 4 wavelengths over a single SMF in each direction with lengths up to at least 10 km.

Y: 56 N: 4 A: 13

The chair noted that this provides quite a lot of clarity for the group and encourages people to work together to bring a full proposal into the Task Force for review and decision making.

Presentation #4 PHY/FEC Architecture considerations

Presenter Matt Brown

URL https://www.ieee802.org/3/dj/public/adhoc/optics/0223_OPTX/brown_3dj_optx_adhoc_01a_230222.pdf

The material was reviewed and discussed.

Some clarifications were made during the discussion and the slides were updated accordingly and are included in the '01a' version.

Presentation #5 AUI Types vs. FEC Partitioning

Presenter Mark Gustlin

URL https://www.ieee802.org/3/dj/public/adhoc/optics/0223_OPTX/gustlin_3dj_optx_adhoc_01_230222.pdf

The material was reviewed and discussed.

Future Meetings:

No future optics ad hoc meetings are scheduled but the chair noted that we might set one up in the April time frame. Details will be shared later.

The Task Force Chair reminded everyone on various upcoming deadlines

Meeting adjourned at 11:58am ET

Attendees (per IMAT)

Name	Employer	Affiliation
Akbaba ,Enis	Analog Devices Inc.	Self Employed
Bernier ,Eric	Huawei Technologies Canada Co., Ltd.	Huawei Technologies Canada Co., Ltd.
Bottoni ,Fabio	Cisco`	Cisco Systems, Inc.
Bruckman ,Leon	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Calvin ,John	Keysight Technologies	Keysight Technologies
Chang ,Yongmao	Inphi Corporation	Source Photonics
Chen ,Chan	Self Employed	Applied Optoelectronics, Inc.
cheng ,weiqiang	China Mobile Limited	China Mobile Limited
Choudhury ,Golam	OFS	OFS
Cole ,Christopher R	Finisar Corporation	Finisar Corporation
D'Ambrosia ,John	Futurewei Technologies, U.S. Subsidiary of Huawei	Futurewei Technologies, U.S. Subsidiary of Huawei
Dawe ,Piers J G	NVIDIA	Nvidia
Deandrea ,John	Finisar Corporation	Finisar Corporation
Del Vecchio ,Peter	Broadcom Corporation	Broadcom Corporation
Didde ,Stephen	Keysight Technologies	Keysight Technologies
Dudek ,Michael	Marvell	Marvell
Dumais ,Patrick	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Ewen ,John	Marvell	Marvell
Ferretti ,Vincent	Corning Incorporated	Corning Incorporated
Ghiasi ,Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC; Marvell Semiconductor, Inc.
Gui ,Tao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Gustlin ,Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
He ,Xiang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Healey ,Adam	Broadcom Inc.	Broadcom Inc.
Heck ,Howard	Intel	Intel
Huber ,Thomas	Nokia	Nokia
Hutchins ,Jeff	Ranovus	Ranovus
Issenhuth ,Tom	Issenhuth Consulting, LLC	Huawei Technologies Co., Ltd
Jiang ,Chendi	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Johnson ,John	Broadcom Corporation	Broadcom Corporation
Kim ,Inho	MaxLinear	MaxLinear
Kim ,Kihong/Joshua	Hirose Electric (USA), Inc.	Hirose Electric (USA), Inc.
Kimber ,Eric	Semtech Ltd	Semtech Ltd
Klempa ,Michael	Amphenol Corporation	Alphawave IP
Lambert ,Angela	Corning Incorporated	Corning Incorporated
Lapierre ,Dominic	EXFO Inc.	EXFO Inc.
Le Cheminant ,Greg	Keysight Technologies	Keysight Technologies

Li ,Mike-Peng	Intel	Intel
Li ,Pei-Rong	MediaTek Inc.	MediaTek Inc.
Liu ,Cathy	Broadcom Corporation	Broadcom Corporation
LIU ,XIANG	Huawei R&D USA	Huawei Technologies Co., Ltd
Lu ,Yuchun	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Lusted ,Kent	Intel	Intel
Maki ,Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
Malicoat ,David	Malicoat Networking Solutions	Malicoat Networking Solutions; SENKO Advanced Components
Maniloff ,Eric	Ciena Corporation	Ciena Corporation
mi ,guangcan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Moorwood ,Charles	Keysight Technologies	Keysight Technologies
Mu ,Jianwei	Hisense	Hisense
Muller ,Shimon	Enfabrica Corp.	Enfabrica
MURAKAMI ,YUKI	Fujitsu Limited	Fujitsu Limited
Murty ,Ramana	Broadcom Inc.	Broadcom Corporation
Naderi Shahi ,Sina	Marvell	Marvell
Nakamoto ,Edward	Spirent Communications	Spirent Communications
Nering ,Raymond	Cisco Systems, Inc.	Cisco Systems, Inc.
Nowell ,Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
Ofelt ,David	Juniper Networks, Inc.	Juniper Networks, Inc.
Opsasnick ,Eugene	Broadcom Inc.	Broadcom Inc.
Palkert ,Thomas	Macom, Samtec	Samtec-Macom
Parsons ,Earl	CommScope, Inc.	CommScope, Inc.
peng ,semmy	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Piehler ,David	Dell Technologies	Dell
Quan ,Yu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Rabinovich ,Rick	Keysight Technologies	Keysight Technologies
Ran ,Adee	Cisco Systems, Inc.	Cisco Systems, Inc.
Rechtman ,Zvi	NVIDIA	NVIDIA
Ren ,Hao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Sakai ,Toshiaki	Socionext Inc.	socionext
Sikkink ,Mark	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Simms ,William	NVIDIA Corporation	NVIDIA Corporation
Sommers ,Scott	Molex LLC	Molex Incorporated
Sorbara ,Massimo	GLOBALFOUNDRIES	GLOBALFOUNDRIES
Stassar ,Peter	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Sun ,Junqing	Credo Semiconductor	Credo Semiconductor
Tartaglia ,Antonio	Ericsson AB	Ericsson AB
Terada ,Masaru	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
Tracy ,Nathan	TE Connectivity	TE Connectivity
Tran ,Viet	Keysight Technologies	Keysight Technologies
Ulrichs ,Ed	Intel	Intel
Wang ,Haojie	China Mobile Communications Corporation (CMCC)	China Mobile Communications Corporation (CMCC)
Wang ,Ruoxu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd

Weaver ,James	Arista Networks	Arista Networks
Williams ,Tom	Cisco Systems, Inc.	Cisco Systems, Inc.
Wu ,Mau-Lin	MediaTek Inc.	MediaTek Inc.
Xu ,Sunny	CommScope, Inc.	CommScope, Inc.
Xu ,Yu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
yan ,zengchao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Yin ,Shuang	Google	Google
Zhou ,Xiang	Google	Google
Zhuang ,Yan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd