IEEE P802.3cw Task Force May 2022 Interim Electronic Teleconference Meetings
16 May 2023
Approved Meeting Minutes, Prepared by John D'Ambrosia
Meeting called to order at 10:02 am ET (all times ET) by John D'Ambrosia, who was chairing the meeting.

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

Presentation #1 **Agenda and General Information**
Presenter: John D'Ambrosia
URL: https://www.ieee802.org/3/cw/public/22_0516/agenda_3cw_220516.pdf

The chair asked if there were any objections to the agenda. See Slide #2.
There were no other objections to anything on the agenda, and it was considered approved by unanimous consent.

Minutes –

- 04 Apr 2022 TF Meeting - https://www.ieee802.org/3/cw/public/tf_interim/22_0404/minutes_3cw_220404_unapproved.pdf

The chair asked if there were any requests to modify either of the minutes and there were none.
The chair asked if there were any objections to approving the noted minutes, and there were none.
The noted ad hoc minutes were considered approved by unanimous consent.

Chair noted that the agenda deck had been sent out, and requested that individuals review the following IEEE SA policies prior to the interim meeting –

- 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.

Chair presented the second slide (See Slide #21) of the IEEE SA Participation Policy slides. Chair noted – "Participants in the IEEE-SA "individual process" shall act independently of others, including employers. By participating in standards activities using the "individual process", you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation."

Chair presented the third slide (See Slide #26) of the IEEE SA Patent Policy slides. Chair did call for Potentially Essential Patents, and no one came forward.

Chair presented the second slide (See Slide #31) of the IEEE SA Copyright Policy slides. Chair noted – "By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy."

Chair noted he had discussed the status of the Task Force with David Law, IEEE 802.3 WG Chair. The chair noted he will give an update at the IEEE 802.3 May 2022 WG Meeting. The chair encouraged the Task Force to make as much progress as possible over the next two meetings, so that the update report to the WG would be positive.

The chair noted that this meeting was announced for presentations, and the formal comment consideration would not start at this meeting.

Presentation #2 **Chief Editor's Report**
Presenter Tom Issenhuth
URL https://www.ieee802.org/3/cw/public/22_0516/issenhuth_3cw_01_220516.pdf

There were no questions

Presentation #3	**400GBASE-ZR EVM Characterization**
Presenter	Tom Williams / Mike Sluyski
URL	https://www.ieee802.org/3/cw/public/22_0516/williams_3cw_01_220516.pdf

There were questions and general discussion.

An update to the presentation will be provided that provides a URL to a public report of interoperability testing (https://www.oiforum.com/wp-content/uploads/OIF_400ZR_Demo_OFC2022_presentation.pdf).
There was discussion about whether the test setup was contributing to the observed offset in different data sets.
It was questioned whether the EVM Test methodology specifies testing with Rx correction turned off.

General discussion

- Non-linearity of Tx may be an issue.
- Need to review if test spec includes a Tx power level.
- Additional EVM data may be contribute by next week's meeting, but 12% may be a useful starting point
- There was discussion regarding the number of taps of the reference receiver. 15 taps may be a useful starting point to consider.
- There was discussion regarding adjacent channel isolation.

Meeting recessed for the day at 11:49 am

IEEE P802.3cw Task Force May 2022 Interim Electronic Teleconference Meetings
23 May 2023
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Meeting called to order at 10:02 am ET (all times ET) by John D'Ambrosia, who was chairing the meeting.

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

Presentation #4	**Agenda and General Information**
Presenter:	John D'Ambrosia
URL:	https://www.ieee802.org/3/cw/public/22_0516/agenda_3cw_c_220523.pdf

The chair presented the updated agenda (See Slide #3), which now included the 5/23 meeting, and asked if there were any objections to its approval. There were none, and the updated agenda was considered approved by unanimous consent.

The chair noted that a liaison from the OIF had been received (See slide #5). Per the slide, the chair noted the proposal on how to address the liaison. There were no objections.

The chair discussed the rules per the IEEE 802.3 Operations Manual for proceeding to WG Ballot. See Slide #6

The chair presented a proposed timeline for the TF to get to WG Ballot. See Slide #7. The chair was asked how this proposal compared to the adopted timeline. The chair noted it beat the schedule by 1 meeting cycle, but it was noted that the adopted schedule had been planned conservatively. There were no objections.

Presentation #5	**Chief Editor's Report**
Presenter	Tom Issenhuth
URL	https://www.ieee802.org/3/cw/public/22_0523/issenhuth_3cw_01_220523.pdf

The chief editor noted during the presentation that there were 10 late comments and asked the chair regarding approval of Task Force to hear the late comments. The chair asked the TF if there were any objections to the consideration of the late comments. There were none.

Presentation #6	**Transmitter Metric for 400GBase-ZR Interoperability**
Presenter	Winston Way
URL	https://www.ieee802.org/3/cw/public/22_0523/way_3cw_01a_220523.pdf

There were questions and discussion.

At approximately 10:55am, comment consideration, led by the Chief Editor, began.

During consideration of Comment #23, the following presentation was heard.

Presentation #7	**Comment #23 - faw_valid analysis**
Presenter	Mike Sluyski
URL	https://www.ieee802.org/3/cw/public/22_0523/sluyski_3cw_01a_220523.pdf spreadsheet - https://www.ieee802.org/3/cw/public/22_0523/sluyski_3cw_02_220523.xlsx

There were questions and discussion.

Meeting break at 11:58 am
Meeting reconvened at 12:03 pm
Comment consideration continued.

During consideration of Comment #33, the following presentation was heard.

Presentation #8	**Comment #33 - Spectral Isolation parameters for 802.3cw DWDM Black Link**
Presenter	Eric Maniloff
URL	https://www.ieee802.org/3/cw/public/22_0523/maniloff_3cw_01_220523.pdf

At approximately 12:45pm comment consideration ended.

Motion	Move that the IEEE P802.3cw Task Force: • Close remaining comments in the "bucket" noted on Slide #7 of https://www.ieee802.org/3/cw/public/22_0523/issenhuth_3cw_01_220523.pdf as proposed • Adopt responses to comments as closed. • Generate Draft 1.6 for the seventh Task Force Review from D1.5 and closed comments.
M:	Tom Issenhuth
S:	Eric Maniloff
Technical (>=75%)	
802.3 (y/n/a)	Approved by unanimous consent
Results	Motion Passes

The chair reviewed future meetings. See Slide #8.

Meeting adjourned @ 12:53 pm.

Attendees (per IMAT)

Name	Employer	Affiliation	16-May	23-May
Borda, jamila josip	BMW Group	BMW Group	x	
Boyer, Rich	Aptiv - Signal and Power Solutions	Aptiv Signal and Power Solutions	x	
Brooks, Paul	Viavi solutions GmbH	Viavi Solutions		x
Brown, Blake		University of New Hampshire InterOperability Laboratory (UNH-IOL)		x
Bruckman, Leon	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd		x
Chang, Yongmao	Inphi Corporation	Source Photonics	x	x
Choudhury, Golam	OFS	OFS	x	
D'Ambrosia, John	Futurewei Technologies	Futurewei Technologies, U.S. Subsidiary of Huawei	x	x
Dawe, Piers J G	NVIDIA	Nvidia		x
Deandrea, John	Finisar Corporation	Finisar Corporation		x
Dube, Kathryn	UNH-IOL	UNH-IOL	x	
Engenhardt, Klaus		Keysight Technologies	x	x
Gao, Xiangrong	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	x	
Geng, Limin	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	x	x
Ghiasi, Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC; Marvell Semiconductor, Inc.	x	x
Gorshe, Steven Scott	Microchip Technology, Inc.	Microchip Technology, Inc.	x	x
Grow, Robert	RMG Consulting	RMG Consulting, KDPOF	x	
He, Xiang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	x	x
Huber, Thomas	Nokia	Nokia	x	x
Isono, Hideki	Fujitsu Optical Components Limited	Fujitsu Optical Components Limited	x	
Issenhuth, Tom	Issenhuth Consulting, LLC	Huawei Technologies Co., Ltd	x	x
Jackson, Kenneth	Sumitomo Electric Device Innovations, USA	Sumitomo Electric Industries, LTD	x	x
Jimenez, Andrew	Anixter Inc.	Anixter Inc.	x	
Kim, Yongbum	Tenstorrent	Tenstorrent	x	
Kochuparambil, Elizabeth	Cisco Systems, Inc.	Cisco Systems, Inc.	x	
Kondo, Taiji	MegaChips Corporation	Dexerials Corporation	x	x
Lackner, Hans	QoSCom GmbH	QoSCom - Quality in Communications - GmbH	x	
Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise	x	
Le Cheminant, Greg	Keysight Technologies	Keysight Technologies	x	
Lewis, David	Lumentum Inc.	Lumentum Inc.	x	x
Lingle, Robert	Georgia Institute of Technology	OFS	x	
Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.	x	x
Malicoat, David	Malicoat Networking Solutions	Malicoat Networking Solutions; SENKO Advanced Components	x	
Maniloff, Eric	Ciena Corporation	Ciena Corporation	x	x
Mark, Simon		Wurth Electronik Group	x	
Marris, Arthur	Cadence Design Systems, Inc.	Cadence Design Systems, Inc.	x	
mi, guangcan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd		x
Nering, Raymond	Cisco Systems, Inc.	Cisco Systems, Inc.	x	x
Nicholl, Gary	Cisco Systems, Inc.	Cisco Systems, Inc.	x	x
Nowell, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.	x	

Ofelt, David	Juniper Networks, Inc.	Juniper Networks, Inc.	x	x
Omori, Kumi	NEC Corporation	NEC Corporation	x	x
PARK, CHUL SOO	Juniper Networks Inc.	Juniper Networks, Inc.	x	x
Parsons, Earl	CommScope, Inc.	CommScope, Inc.	x	x
peng, semmy		Huawei Technologies Co., Ltd	x	x
Rabinovich, Rick	Keysight Technologies	Keysight Technologies		x
Rahn, Jeffrey	Facebook	Facebook	x	x
Ramesh, Sridhar	MaxLinear	MAXLINEAR INC		x
Sambasivan, Sam	AT&T	AT&T	x	x
Shanbhag, Megha	Tyco	TE Connectivity		x
She, Qingya	Fujitsu Network Communications	Fujitsu Network Communications	x	x
Shubochkin, Roman	OFS	OFS	x	
Sluyski, MIke		Cisco Systems, Inc.	x	x
Sorbara, Massimo	GLOBALFOUNDRIES	GLOBALFOUNDIRES		x
Souvignier, Tom	Broadcom Corporation	Broadcom Corporation		x
Sprague, Edward	Infinera Corporation	Infinera Corporation	x	x
Srivastava, Atul	NEL-America	NTT Electronics		x
Stassar, Peter	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	x	x
SU, CHANGZHENG		Huawei Technologies Co., Ltd	x	x
Sun, Yi		OFS	x	
TAKAHARA, TOMOO	FUJITSU LABORATORIES LIMITED	FUJITSU LIMITED		x
Takahashi, Tadashi	Nitto Denko Corporation	Nitto Denko Corporation	x	
TAZEBAY, MEHMET	Broadcom Corporation	Broadcom Corporation	x	x
Theodoras, James	HG Genuine	HG Genuine	x	x
Wang, Ruoxu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd		x
Wang, Xinyuan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	x	x
Weaver, James	Arista Networks	Arista Networks	x	
Williams, Tom	Cisco Systems, Inc.	Cisco Systems, Inc.	x	x
Wu, Peter	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.	x	x
Xu, Yu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	x	
Young, James	CommScope, Inc.	CommScope	x	
Zhang, Bo	Marvell Technology, Inc	Marvell Technology, Inc		x
Zhang, Tingting		Huawei Technologies Co., Ltd		x
Zhong, Qiwen	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd		x
Zhuang, Yan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	x	