

Session called to order at 10:02 am ET (all times ET), 23 February, 2022

Meeting called to order by Tom Issenhuth, EVM Ad Hoc Chair.

Presentation #1 Agenda and General Information

Presenter: Tom Issenhuth

URL: https://www.ieee802.org/3/cw/public/adhoc/22_0223/agenda_3cw_220223.pdf

Chair asked if there were any objections to the agenda, there were none, and the agenda (Slide #2) was considered approved.

Chair reviewed the Ad Hoc Charter (Slide #4).

Chair presented the second slide (See Slide #9) 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 #14) 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 #19) 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 asked if anyone needed to review the policies at that time – there were no requests to do so.

Presentation #2 Measurement Metrics for Interoperable Transmitters

Presenter: Elaine Chou

URL: https://www.ieee802.org/3/cw/public/adhoc/22_0223/rahn_3cw_01a_220223.pdf

Chair requested that a note be added to slides 4 and 5 stating to refer to slide 3 for all the data points which will be posted as version 1b.

- Presentation was an update from Jeff Rahn and Elaine Chou
 - Previous presentation had raised potential interop concerns
 - Updated presentation indicates parts designed to OIF 400ZR can interoperate
 - Interop data variation showed performance variation primarily driven by Rx not Tx
 - Testing didn’t provide insight on TX performance variation related to EVM
- There seemed to be general agreement that a lumped TQM (e.g. EVM) would be the preferred approach to support scaling to high volume deployments and allowing tradeoff of individual parameters to meet the desired performance.
- General agreement that any approach driven for a TQM would require the definition of a reference receiver for the measurement.
- There seemed to be general agreement for the need for EVM data and that individuals who have access to the “insides” of a module are in the best position to provide such data.

Meeting adjourned at 11:26pm.

Meeting Attendees

Name	Employer	Affiliation
Tom Issenhuth	Issenhuth Consulting, LLC	Huawei Technologies Co., Ltd
Bo Zhang	Marvell Technology, Inc	Marvell Technology, Inc
Charles Park	Juniper Networks Inc.	Juniper Networks Inc.
David Lewis	Lumentum Inc	Lumentum Inc
Elaine Chou	Meta	Meta
Eric Maniloff	Ciena Corporation	Ciena Corporation
Frank Chang	Source Photonics	Source Photonics
Gary Nicholl	Cisco Systems, Inc.	Cisco Systems, Inc.
Greg LeCheminant	Keysight Technologies	Keysight Technologies
Hideki Isono	Fujitsu Optical Components Limited	Fujitsu Optical Components Limited
Jeff Rahn	Meta	Meta
Jianwei Mu	Hisense	Hisense
Kenneth Jackson	Sumitomo Electric Industries, LTD	Sumitomo Electric Industries, LTD
Leon Bruckman	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Mike Sluyski	Cisco Systems, Inc	Cisco Systems, Inc
Paul Nikolich	802 Chair/Self Employed	802 Chair/Self Employed
Qingya She	Fujitsu Network Communications	Fujitsu Network Communications
Tom Huber	Nokia	Nokia
Xinyuan Wang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Winston Way	NeoPhotonics	NeoPhotonics
You-Wei Chen	NeoPhotonics	NeoPhotonics