

# IEEE 802.3 400 Gb/s/Lane Signaling Study Group

## Telephonic Interim meeting

30 June 2026 Telephonic Interim Meeting  
Meeting Minutes, Prepared by Beth Kochuparambil

Meeting called to order at 7:00 am (all times PT) by Kent Lusted, the Chair for this meeting.

### Presentation #1 Agenda and General Information

Presenter Kent Lusted

[https://www.ieee802.org/3/400GPL/public/260630/agenda\\_400GPL\\_01a\\_260630.pdf](https://www.ieee802.org/3/400GPL/public/260630/agenda_400GPL_01a_260630.pdf)

The Chair stated that attendance will be taken via IMAT and does not count towards IEEE 802.3 Working Group voting membership and provided the link to mark one's attendance and reminded the study group of decorum of declaring name and affiliation on the web interface.

The Chair asked if there were any modifications to the agenda (see slide #2) . There were none. There were no objections to the approval of the agenda, and it was considered approved by unanimous consent.

The Chair noted that the June 10 Telephonic Interim minutes were just posted the day before and would not seek approval of the minutes at this meeting.

The Chair reviewed meeting decorum. The Chair reminded participants to follow the decorum rules. The Chair asked for members of the press to identify themselves. No one identified as such.

The Chair noted that the links to the IEEE SA Policies were sent with the agenda for the meeting and asked if anyone needed greater detail on any of such policies. There was no request, so he reviewed a few policies in overview.

The Chair presented the guidelines for IEEE SA meetings (see slide #20).

The Chair presented the second slide of the IEEE SA Copyright Policy slides (see slide #22). He 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.”

The Chair reminded participants of the IEEE Code of Ethics and Conduct (see slide #24). He noted “All participants in IEEE-SA activities are expected to adhere to the core principles underlying the IEEE Code of Ethics and IEEE Code of Conduct”.

The Chair presented a IEEE SA Participation Policy slide (see slide #25). 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.”

The Chair presented the second slide (see slide #26) of the IEEE SA Participation Policy. Chair noted that IEEE-SA standards activities should allow the fair & equitable consideration of all viewpoints, and The IEEE-SA Standards Board Bylaws (clause 5.2.1.3) specifies that “the standards development process shall not be dominated by any single interest category, individual, or organization”.

The Chair noted the IEEE Ethics Reporting Line (see slide #28) to the participants.

The Chair reminded participants to declare their affiliation in the online meeting tool. Failure to do so would result in expulsion from the meeting.

The Chair reminded individuals to fill out IMAT for attendance.

The Chair asked if there was objection to swap the order of the Welch presentation with the Stone presentation. No objection voiced.

## Presentation #2 Building Toward a Baseline – 400GBASE-DR1, 800GBASE-DR2, 1.6TBASE-DR4

Presenter Brian Welch

[https://www.ieee802.org/3/400GPL/public/260630/welch\\_400GPL\\_01b\\_260630.pdf](https://www.ieee802.org/3/400GPL/public/260630/welch_400GPL_01b_260630.pdf)

Clarifying questions were asked and answered.

Time Noted: 7:42am

The Chair reminded individuals to fill out IMAT for attendance.

## Presentation #3 Fiber Channel Model - Evolving Considerations for Modern Datacenters

Presenter Rob Stone

[https://www.ieee802.org/3/400GPL/public/260630/stone\\_400GPL\\_01a\\_260630.pdf](https://www.ieee802.org/3/400GPL/public/260630/stone_400GPL_01a_260630.pdf)

Clarifying questions were asked and answered.

## Presentation #4 Feasibility Study and DSP Considerations for 400G/lane PAM4 Co-Packaged Optics

Presenter Tom Berger

[https://www.ieee802.org/3/400GPL/public/260630/berger\\_400GPL\\_01\\_260630.pdf](https://www.ieee802.org/3/400GPL/public/260630/berger_400GPL_01_260630.pdf)

The Chair gave gratitude to Tom and Maxim on being flexible at the May Interim meeting. Clarifying questions were asked and answered.

## Presentation #5 Modulation and FEC Considerations for 400GPL Electrical Links

Presenter Balazs Matuz

[https://www.ieee802.org/3/400GPL/public/260630/matuz\\_400GPL\\_01\\_260630.pdf](https://www.ieee802.org/3/400GPL/public/260630/matuz_400GPL_01_260630.pdf)

There was no discussion on the presentation. Clarifying questions were asked and answered.

Again sharing Presentation #1

([https://www.ieee802.org/3/400GPL/public/260630/agenda\\_400GPL\\_01a\\_260630.pdf](https://www.ieee802.org/3/400GPL/public/260630/agenda_400GPL_01a_260630.pdf)), the Chair reviewed the next steps and focus for the July Plenary. It was noted that responding to comments from PAR and CSD review by other working groups is another task for the study group in July.

The Chair reminded participants of the presentation request process and appropriate deadlines for the upcoming Plenary and Ad Hoc meetings.

Meeting adjourned at 9:37 am PT

## ATTENDANCE (as captured by IMAT during the meeting slot)

Name	Affiliation	Employer
Adam Healey	Broadcom Inc.	Broadcom Inc.
Adee Ran	Cisco Systems, Inc.	Cisco Systems, Inc.
Ahmad El-Chayeb	Keysight Technologies Inc	Keysight Technologies Inc
Ahmet Kaygusuz	Adhoc Teknoloji	Adhoc Teknoloji
Alex Sokolovsky	Huawei Technologies Co., Ltd	
Ali Ghiasi	Ghiasi Quantum LLC, MARVELL	Ghiasi Quantum LLC
Alireza Razavi	Eliyan	Marvell
Ari Sharon	Terawand	
Balazs Matuz	Huawei Technologies Duesseldorf GmbH	
Bo Zhang	Lumentum	
Brandon Gore	Samtec, Inc.	Samtec, Inc.
Brian Welch	Cisco Systems, Inc.	Cisco Systems, Inc.
Cathy Liu	Broadcom	Broadcom Corporation
Christopher R Cole	Coherent Corp	Finisar Corporation
Congshi Zou	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
David Law	Hewlett Packard Enterprise	Hewlett Packard Enterprise
David Lewis	Speciphy; Lumentum	SPECIPHY / Lumentum
David Ofelt	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Earl Parsons	CommScope, Inc.	CommScope Amphenol

Edward Nakamoto	VIAVI Solutions	Viavi Solutions
Egide Murisa	Molex Incorporated	
Elizabeth Kochuparambil	Cisco Systems, Inc.	Cisco Systems, Inc.
Eric Bernier	Huawei Technologies Canada; Huawei Technologies Co., Ltd	Huawei Technologies Canada Co., Ltd.
Eric Kimber	Semtech Ltd	Semtech Ltd
Eugene Opsasnick	Broadcom Inc.	Broadcom Inc.
Flavio Marques	Lightera	Lightera
Gary Nicholl	Cisco Systems, Inc.	Cisco Systems, Inc.
Golam Choudhury	Genuine Optics	Genuine Optics
Hansel Dsilva	Amphenol Corporation	
Hao Ren	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Hideki Isono	Furukawa FITEL Optical Components	Furukawa FITEL Optical Components Limited
Jeffery Maki	Juniper Networks, Inc.	Hewlett Packard Enterprise
John D'Ambrosia	Futurewei Technologies, U.S. Subsidiary of Huawei	Futurewei Technologies, U.S. Subsidiary of Huawei
John Johnson	Broadcom	Broadcom Corporation
Jose Galan	MaxLinear, Inc.	MaxLinear, Inc.
Karlheinz Muth	Broadcom Corporation	Broadcom Corporation
Kechao Huang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Kent Lusted	Synopsys, Inc.	Synopsys, Inc.
Kishore Kota	Inphi Corporation	Marvell Semiconductor, Inc.

Laurent Alloin	Ciena Corporation	
Leon Bruckman	NVIDIA	NVIDIA
Luz Osorio	Nokia	Nokia Canada Inc.
Marco Mascitto	Nokia	Nokia Canada Inc.
Marco Mazzini	Cisco Systems, Inc.	Cisco Systems, Inc.
Mark Hamilton	Cadence Design Systems	Cadence Design Systems
Mark Nowell	Cisco Systems, Inc.	Cisco Systems, Inc.
Mark Sikkink	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Marva Dar	te connectivity	TE Connectivity
Michael Dudek	Marvell	Marvell
Mike-Peng Li	Intel Corporation	Altera Corporation
Mohammad Shakiba	Huawei Technologies Canada; Huawei Technologies Co., Ltd	Huawei Technologies Canada Co., Ltd.
Mucahit Yildiz	Adhoc Teknoloji	
Nathan Tracy	TE Connectivity	TE Connectivity
Norman Swenson	Norman Swenson Consulting; Point2 Technology Inc., Nokia	Norman Swenson Consulting
Oluwafemi Akinwale	Intel Corporation	Intel Corporation
Pavel Zivny	Lumilens	Lumilens
Pei-Rong Li	MediaTek Inc.	MediaTek Inc.
Piers J G Dawe	NVIDIA	NVIDIA
Ramana Murty	Broadcom Inc.	Broadcom Inc.
Richard Mellitz	Samtec, Inc.	Samtec, Inc.
Rick Rabinovich	Keysight Technologies	Keysight Technologies

Roberto Rodes	Coherent	II-VI
Rohan Phadke	Broadcom	Arista Networks
Ruben Perez De Aranda Alonso	Cisco Systems, Inc.	Knowledge Development for POF SL
Runlong Hu	China Mobile Communications Group Co.,Ltd; China Mobile Communications Group Co.,Ltd	
Scott Sommers	Molex Incorporated	Molex LLC
Shimon Muller	Enfabrica	Enfabrica Corp.
Shu Zhuang	Anritsu Company	
Sridhar Ramesh	Maxlinear Inc	MaxLinear
Steven Hand	Nokia	
Tanner Fortier	Teledyne Technologies Incorporated	
Thomas Palkert	Samtec, Inc.	Samtec, Inc.
Timothy Wig	Samtec, Inc.	Samtec, Inc.
Tom Mitcheltree	US Conec, Ltd.	US Conec, Ltd.
Toshiaki Sakai	Socionext	Socionext Inc.
Vasu Parthasarathy	Broadcom Corporation	Broadcom Corporation
Vijay Anantha Murthy	Keysight Technologies Inc	Keysight Technologies Inc
Wensheng Sun	Credo Semiconductor	Marvell Semiconductor, Inc.
wenxiong xu	HGGenuine	HG Genuine
William Simms	NVIDIA Corporation	NVIDIA Corporation
Xiaofeng Wang	Qualcomm Incorporated	Qualcomm Incorporated
Xuebo WANG	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd

Yojiro Watanabe	Mitsubishi Electric Corporation	Mitsubishi Electric US, Inc.
YUKI MURAKAMI	1Finity	1Finity