

Minutes IEEE 802.3 NEA SPE AdHoc meeting June 29 2017

Prepared by George Zimmerman

Proposed Agenda:

1. Agenda/Admin George Zimmerman
2. Intra-Switch Management Interface Use Cases for Single Pair Ethernet Amrik Bains

Presentations posted at:

http://www.ieee802.org/3/ad_hoc/ngrates/public/calls/index.html

Agenda/Admin George Zimmerman:

Meeting began at 7:05am PT.

1. Reviewed the Attendance information related to the ad hoc.
2. Displayed pre-par slide deck, reviewed participation conditions.
<https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.ppt>
<https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-01-00EC-ieee-802-participation-slide.pptx>
3. Reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.
4. June 15th minutes not posted yet.

Presentations/Discussion.

Intra-Switch Management Interface Use Cases for Single Pair Ethernet

Amrik Bains, Cisco

The presenter discussed use of single pair Ethernet as a control plane within Ethernet switches, in a space currently served by MDIO and SPI. The primary needs served were: increased speed, reduced pin count, increased reliability (relative to open-collector multidrop) and unification of interfaces and software. A speed of at least 10Mb/s was discussed with potential for 100 Mb/s in the future. Full duplex Ethernet was noted for hot swap of optical modules.

There was some clarifying discussion, that the Ethernet shown for the control plane was separate from the data-plane network.

Meeting closed – ~7:45am PT

Attendees (from Webex + emails)

Name	Affiliation	Attended 6/29
Alexander Umnov	Corning	y
Amrik Bains	Cisco	y
Arkadiy Peker	Microsemi	y
Brett Lane	Panduit	y
Brian Franchuk	Emerson	y
Clark Carty	Cisco	y
Craig Gunther	Harmen	y
Dale Borgeson	Emerson	y
DAVE HESS	Cord Data	y
David Brandt	Rockwell	y
David Law	HPE	y
Dayin Xu	Rockwell	y
Geoff Thompson	GraCaSI S.A	y
George Zimmerman	CME	y
Harald Zweck	Infineon	y
JEAN PICARD	TI	y
John D'Ambrosia	Futurewei	y
Marcel Medina	Spirent	y
Marcus Sun	Huawei	y
Mark Nowell	Cisco	y
Matthias Fritsche	Harting	y
Mick McCarthy	Analog Devices	y
Mike Jones	Microchip	y
Oisín Ó Cuanacháin	Analog Devices	y
Peter Wu	Marvell	y
Ron Naismith	Schneider Electric	y
Steffen Graber	Pepperl & Fuchs	y
Steve Carlson	High Speed Design	y
Sujan Pandey	NXP	y
Thomas Reinders	Delphi	y
Tim Schmidl	TI	y
Attendee count		31