

Minutes IEEE 802.3 NEA SPE AdHoc meeting June 15 2017

Prepared by Peter Jones

Proposed Agenda:

1. Agenda/Admin Peter Jones

Presentations posted at:

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

Agenda/Admin Peter Jones:

Meeting began at 7:05am PT.

1. Reviewed the Attendance information related to the ad hoc.
2. Reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.
3. 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>

Presentations/Discussion.

NEA Chair remarks – John D - FutureWei

- Discussion of background for NEA and expectations for this work.
- Discussion of attendance in this call, and how to grow the audience.
- Discussion of expected meeting times in Berlin/July.

SPE Use Cases - Commercial Buildings Tom Herbst Independent

- FYI –upcoming affiliation change.
- Background/General
 - Goal is a survey of the type of devices that are likely to be in the “Internet of Things” in building control.
 - For each class of device, look at ownership and power/bandwidth/reach needs.
 - Meeting the expectations of these device classes expands the target market and simplifies adoption.
 - Need to consider any existing regulations that could affect these use cases.
 - For example, the amount of power that can be delivered depends on wire size. This needs to be reviewed in the context on the NEC.
 - 10SPE to run next to 380Volt power distribution?
- Health and Safety

- Buying and certification can be tricky, e.g., some groups may get a fully system (switches, sensors, etc.) certified, and not change anything (HW, SW, etc) for a long time.
- Video Surveillance
 - Two dimensions, power and bandwidth.
 - Power could be inline or AC for some systems.
- Lighting
 - Discussion of DMZ and other standards.

Non-Industrial Use of P802.3cg - Server Jon Lewis Dell

- Some topics
 - Point to point with fan out switches vs multipoint. PtP favored in many systems because if produces less trouble.
 - Ability to extend this control plane outside a single server with Ethernet.
 - Many attributes of Ethernet would improve the intra-system control plane (e.g. discovery, full duplex, standard communications protocols, speed, etc) .

802.3cg Use Cases and PHY Options George Zimmerman CME Consulting

- Presented.

Plan for next meeting Peter Jones Cisco

- Next NEA meeting on this topic in two weeks.
- Looking for contributions and support of specific use cases.
- Looking for broader audience – recruitment required.
- Looking at prep for physical meeting in July meeting.
- Need to figure out if this is something which is going to be now, or maybe sometime later

Meeting closed – ~8:40AM PT

Attendees (from Webex + emails)

Name	Affiliation	Attended 6/15
Alexander Umnov	Corning	y
Arkadiy Peker	Microsemi	y
Bruce Nordman	Lawrence Berkeley National Laboratory	y
Chad Jones	Cisco	y
Craig Gunther	Harmen	y

Dale Borgeson	Emerson	y
David Hoglund	JCI	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
joe byrne (nxp)	NXP	y
John D'Ambrosia	Futurewei	y
John Yurtin	Delphi	y
Jon Lewis	Dell	y
Ken Jackson	Sei Device	y
Mandeep Chadha	Microsemi	y
Maris Graube	Relcominc	y
Mark Bohm	Microchip	y
Matthias Fritsche	Harting	y
Mehmet Tazebay	Broadcom	y
Mick McCarthy	Analog Devices	y
Mike Jones	Microchip	y
Natalie Wienckowski	Gm	y
Oisín Ó Cuanacháin	Analog Devices	y
Peter Jones	Cisco	y
Peter Wu	Marvell	y
Phong Pham	Usconec	y
Pier Giorgio	Canovatech	y
Steffen Graber	Pepperl & Fuchs	y
Tim Schmidl	TI	y
Tom Herbst	Jkral	y
Upen Kareti	Cisco	y
Attendee count		33