

IEEE 802.3 SPMD SG AdHoc meeting

DATE

Prepared by Peter Jones

Presentations posted at:

<http://www.ieee802.org/3/SPMD/index.html>

Agenda/Admin Peter Jones:

Meeting began at 7:05am PT.

1. Reviewed the Attendance information related to the ad hoc(s).
 - a. Reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.
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/17/ec-17-0093-05-0PNP-ieee-802-participation-slide-ppt.ppt>

Presentations/Discussion.

SPMD Usecases: Buildings

Bruce Nordman LBL

- What about standby power?
 - Same as initial power? Lower for sleep? Low power mode in a PHY? Better EEE?
- Outdoor loads – 60V vs 24V?
 - Need to consider safety codes, limit energy into a fault.
 - Voltage vs fault detection/rapid response.
- Buildings – residential vs commercial
 - New install vs refresh.

SPMD Usecases: transportation/industrial sensor network

Cornelia Eitel Belden

- Trains, buses etc
 - Pre-emption – not simple, need to see example flows/patterns.
 - USB outlets interesting
- ISN
 - Stub length – 50cm??
 - Hazardous locations? Zone 2, not intrinsically safe.

SPMD Usecases: Node Based Lighting

Chad Jones Cisco

- Notes

Progressing the study group

Chad Jones Cisco

- Close PAR/CSD in Geneva, have objectives almost done, use interim SG telecon to adopt before March plenary
- Minimal time for technical work in Geneva.

Discussion

- What more do we need for technical feasibility?
 - EEE
 - Coding
 - EMC immunity
 - PLCA node ID allocation
 - Anything else – review in Geneva.
- Post updated objectives well before Jan AdHoc

Meeting closed – ~8:40am PT

Attendees (from Webex + emails)

| Name | Employer | Affiliation | Attended 12/18 |
|-------------------|---------------------------------------|---------------------------------------|----------------|
| Bruce Nordman | Lawrence Berkeley National Laboratory | Lawrence Berkeley National Laboratory | y |
| Chad Jones | Cisco | Cisco | y |
| Cornelia Eitel | Belden | Belden | y |
| Craig Gunther | Craig Gunther Consulting | Bosch | y |
| Dayin Xu | Rockwell Automation | Rockwell Automation | y |
| Doug Oliver | Ford | Ford | y |
| George Zimmerman | CME Consulting | CME Consulting(*) | y |
| Gideon Intrater | Adesto | Adesto | y |
| James Withey | Fluke | Fluke | y |
| Matthias Fritsche | Harting | Harting | y |
| Mick McCarthy | Analog Devices | Analog Devices | y |
| Peter Jones | Cisco | Cisco | y |

| | | | |
|------------------|-------------|-------------|----|
| Rory Buchanan | Onsemi | Onsemi | y |
| Steve Sedio | TDK | TDK | y |
| Ulrich Egenhofer | Draexlmaier | Draexlmaier | y |
| Attendees | | | 15 |