

Meeting Minutes PDCC Ad Hoc  
Prepared by: Chad Jones  
12 December 2022  
1PM ET

1:02PM Meeting called to order.

Meeting started by the Ad Hoc Chair, Chad Jones.

1:03PM The Chair reviewed agenda slides, covered the IEEE patent policy, code of ethics and conduct, individual process, equitable consideration of all viewpoints, and copyright rules (slides 3-7 in the agenda deck).

1:06PM The Chair informs the group that minutes for the previous meeting are posted, asked if anyone that wanted to review the minutes hadn't had the chance to review, and asked if there were any changes to be made to the minutes. None responded. The minutes were approved by unanimous consent. The Chair instructed the webmaster to change the status of the 17 November 2022 minutes to confirmed.

1:07PM The only agenda item was discussing the new drafts of ISO/IEC 11801-1 amd 1 and ISO/IEC 11801-9911. Links to those documents can be found in the PDCC/11801 private area: [https://www.ieee802.org/3/private/liaison\\_docs/ISO\\_IEC\\_SC25/11801/11801-1%20Amd.1%207th%20CD\\_JTC1-SC25\\_3126e\\_CD.pdf](https://www.ieee802.org/3/private/liaison_docs/ISO_IEC_SC25/11801/11801-1%20Amd.1%207th%20CD_JTC1-SC25_3126e_CD.pdf) and [https://www.ieee802.org/3/private/liaison\\_docs/ISO\\_IEC\\_SC25/11801/3N1334\\_WD\\_TR11801-9911.pdf](https://www.ieee802.org/3/private/liaison_docs/ISO_IEC_SC25/11801/3N1334_WD_TR11801-9911.pdf)

The chair marked up versions of the documents but the rules require that we have only one copy of the document posted. Therefore, the parts of the document will be summarized in comment form:

ISO/IEC 11801-1 amd 1

Page 13, lines 346 – 348: IEEE 802.3 has previously commented on these lines stating that the classes were poorly aligned with present and known future 802.3 PHY technologies. SC25 replied that the three classes are meant to be future proof. PDCC members observed that they might be future proof for the data domain but not necessarily for the power domain. It was suggested that the PDCC draft a paragraph and request it is included in the reply from 802.3dg to SC25 on a similar topic.

Page 17, lines 404-406: Current text is: “When using these components within a single pair channel, the resulting channel is limited to the current carrying capacity of the multi-pair component and is considered an engineered approach, see Annex H.” First problem: sentence is written such that it deemphasizes that this is an engineered approach. Second problem: the statement doesn't include that the current capacity is limited by the worst case component. Suggest to replace the sentence with : “When using these components within a single pair channel, the resulting channel is considered an engineered approach and is limited to the current

carrying capacity of the worst case cabling component including the multi-pair component, see Annex H.”

Page 17, lines 407 – 410: It was suggested that the PDCC propose a disposition (yet to be crafted) and suggest that this text does not belong in 11801-1 amd 1, but instead in 11801-9911.

Page 67, Annex G: the group reviewed the changes made due to the first round of comments. Nothing further to comment at this time.

Page 68, Annex H: the group reviewed that this text was moved from the main body and pared back due to the first round of comments. Nothing further to comment at this time.

ISO/IEC 11801-9911:

Page 8, lines 203-204: 4p and 1p versus 4-pair and 1-pair isn't much savings. Suggest to remove these abbreviations and replace all 4p and 1p references with 4-pair and 1-pair. Also 4P and 1P as capitalization isn't uniform.

Page 8, lines 205: Replace “PoDL Power over Data Line” with “SPoE Single Pair powering as defined IEEE Std 802.3 Clause 104”

Page 8, line 206: The title implies that these systems are compliant for generic 4-pair cabling systems. Suggest modifying the title to: “Simultaneous operation of multiple single pair applications within **an engineered system derived from** a generic 4-pair cabling system”

Page 16, line 309: “The DC current resistance is not system relevant as it is not specified by PoDL in IEEE...” this is not a true statement, because the sentence is missing a word. Add balanced after resistance: “The DC current resistance UNBALANCE is not system relevant as it is not specified by PoDL in IEEE...”

Page 18, line 375: typo, ISO/IEC 14762-2 should be ISO/IEC 14763-2.

Page 19, lines 399 – 408: this is the same text as in 11801-1 amd 1, page 17, lines 407 – 410. The disposition written for the 11801-1 doc should be suggested here.

It was requested that the PDCC reread section 4 with the thought that the section implies these engineered systems are compliant for generic 4-pair cabling systems. The chair will make the request via email so the ask is clear. This will be the topic of the next ad hoc meeting.

2:01PM The next scheduled meeting is 21 Dec 2022, 1PM ET. If no responses for review of 11801-9911 are received by Tuesday 20 Dec, the meeting will be cancelled and the next meeting will be 4 Jan 2023, 1PM ET.

2:03PM The Chair asked if there was any other business, none responded. Having exhausted the allotted meeting time, the meeting was adjourned.

Attendance (from Webex):

Name	Employer; Affiliation	Present
Bob Voss	Panduit Corp.; Panduit Corp.	*
Chad Jones	Cisco Systems, Inc.; Cisco Systems, Inc.	*
David Tremblay	Hewlett Packard Enterprise; Hewlett Packard Enterprise	*
Fred Dawson	Chemours Canada Company; Chemours Canada Company	*
Geoff Thompson	Unemployed; Unaffiliated	*
George Zimmerman	CME Consulting; CME Consulting/APL Group, CommScope, Cisco Systems, Marvell, OnSemi, and SenTekse	*
James Withey	Fluke Corporation; Fluke Corporation	*
Marek Hajduczenia	Charter Communications; Charter Communications	*
Peter Fischer	BKS Kabel-Service AG; BKS Kabel-Service AG	*
Ron Tellas	Belden; Belden	*