

IEEE802.3bt
LLDP adhoc

Meeting #1: Rev 000, Tuesday June 2017

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Meeting # 01 Attendees.



Proposed Agenda for meeting #01

- Starting at 18:00 IDT. Ending at 19:00 IDT.
- _____ has volunteered to take notes of this meeting.

#	Time	Subject	Owner
1	18:00 – 18:05	<ul style="list-style-type: none"> •Introduction •Patent policy •approving meeting minutes from last meeting- NA •Approving proposed Agenda for this meeting 	Yair
2	18:05 – 18:15	LLDP concept review as agreed on D2.3 darshan_08_0317.pdf regarding how to fill in pd_requested_power, pse_allocated_power, pd_req_power_mode(A), pse_allocated_power_Alt(A), pd_req_power_mode(B) and pse_allocated_power_Alt(B).	Yair
3	18:15 – 18:45	Discussion. The objective in this meeting is to reach consensus regarding item 2. It will help to resolve comments from D2.4	Group
4	18:45 – 18:50	Other issues for next meeting	Group
5	18:50 – 19:00	Summarizing of A.I. and points of agreements	Group



Introduction and other businesses 09:00 – 09:05

- **The purpose** of this ad-hoc is to resolve LLDP state machine related comments from D2.4 and related issues for PSE and PDs prior sponsor ballot.
- **Patent Policy**
 - Please read the Patent Policy slides at <http://www.ieee802.org/3/patent.html> prior the meeting.
- **Meetings process.**
 - During the meeting: Questions only after presenter done with his presentation.
 - Follow the agenda as much as possible. Other issues can be tabled to be discuss later at the meeting, over the reflector, or at the next meeting agenda.
 - Discussions over the reflector prior the meeting is valuable and saves time during the meeting to reach consensus.
 - **After the meeting, please send confirmation by email for your attendance at the adhoc meeting.**



LLDP concept review as agreed on D2.3

- We agree in D2.3 to fill in the following fields in Figure 79-3 per the following concept (See darshan_08_0317.pdf for approved base line):

PD requested power value	PSE allocated power value	PD requested power value Mode A	PD requested power value Mode B	PSE allocated power value Alternative A	PSE allocated power value Alternative B
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Part of Figure 79-3

#	PSE Type	Operating over	Connected to a PD	TLV field		
				Y	A	B
				pd_requested_power pse_allocated_power	pd_req_power_mode(A) pse_allocated_power_Alt(A)	pd_req_power_mode(B) pse_allocated_power_Alt(B)
1	3/4	4-pairs	SS	1-999	0	0
2	3/4	2-pairs	SS	1-999	0	0
3	3/4	4-pairs	DS	1-999 $Y=A+B$	1-499	1-499
	3/4	4-pairs with time delay until the 2 nd mode is active too	DS	1-999 $Y=A+B$	1-499	1-499
4	3/4	2-pairs	DS	1-499 The value of $Y=X$. $X=A$ or B .	1-499. if this mode/Alt is inactive, set to value 0.	1-499. if this mode/Alt is inactive, set to value 0
5	1/2	2-pairs	DS	1-499	Almost the same as in 4. See details in next slide	



LLDP concept review as agreed on D2.3 – Cont.

PD	Use	PSE	Use
Single-Signature	PD requested power	4-pair	PSE allocated power
Dual-signature	<ul style="list-style-type: none"> • PD requested power Mode (X). • <i>Fill in 0 in the inactive field of PD requested power Mode (X).</i> • PD requested power = PD requested power Mode A + PD requested power Mode B. 	Type 3 or 4. 2-pair	<ul style="list-style-type: none"> • PSE allocated power Alternative (X). • <i>Fill in 0 in the inactive field of PSE allocated power Alternative (X).</i> • PSE allocated power = PSE allocated power Alternative A + PSE allocated power Alternative B
Dual-signature	<ul style="list-style-type: none"> • PD requested power Mode (X). • <i>Fill in 0 in the inactive field of PD requested power Mode (X).</i> • PD requested power = PD requested power Mode A + PD requested power Mode B. 	Type 1 or 2. 2-pair	<ul style="list-style-type: none"> • PSE allocated power Alternative (X). • <i>Fill in 0 in the inactive field of PSE allocated power Alternative (X).</i> • (*May) PSE allocated power = PSE allocated power Alternative A + PSE allocated power Alternative B • (*May) PSE allocated power Alternative (X) may not used by legacy PSE .
Dual-signature	<ul style="list-style-type: none"> • PD requested power Mode A • PD requested power Mode B • PD requested power = PD requested power Mode A + PD requested power Mode B 	4-pair	<ul style="list-style-type: none"> • PSE allocated power Alternative A • PSE allocated power Alternative B • PSE allocated power = PSE allocated power Alternative A + PSE allocated power Alternative B



Other issues for next meeting - 1

- (Related to comment #297 D2.4)
- Figure 145-45 power control state diagram when connected to dual-signature PD.
 - In D2.3 we add IDLE state in which PSEAllocatedPowerValue_alt(X), PDRequestedPowerValueEcho_alt(X) and TempVar_alt(X) where set to 0 prior going to INITIALIZE state in order to resolve non active Alternative(X) value.
 - The same concept applied to Figure 145-46 for the Dual-signature PD power control state diagram for the relevant PD variables (PDRequestedPowerValue_mode(X), PSEAllocatedPowerValueEcho_mode(X), PDMaxPowerValue_mode(X) and TempVar_mode(X))



Other issues for next meeting - 2

Comment #130, #293 D2.4 (Page 70 line 14 in D2.5)

Added text,

"Type 1 and Type 2 devices shall not support the Type 3 and Type 4 extension."

Incorrectly blocks legacy types from using TLVs, Power status, System setup, PSE maximum available power, Autoclass, and Power done. The existing text does indicate what legacy Types are required to place in all Type 3 and Type 4 extension fields.

Suggested Remedy

Strike the called-out text.

ACCEPT IN PRINCIPLE.

OBE by 293

Comment 293 has the following response:

ACCEPT IN PRINCIPLE.

No changes to draft.

LLDP ad hoc was formed.

Discussion:

Yair: The proposed response to delete this text make sense. No reason to block new features from existing Type 1 and 2. Strike the **called out text**.



Other issues for next meeting - 3

- Comment #297 D2.4 (Page 75 line 12 in D2.5)

"If Mode (X) is non-active while the other mode is active, the inactive PD requested power value Mode (X) field value shall be set to 0."

- What is this trying to do ? The PD may wish to ask for power on an unpowered Mode...

Suggested Remedy

Strike sentence.

- ACCEPT IN PRINCIPLE.

no changes to draft.

An LLDP ad hoc was formed

Discussion:

Yair: See concept description slides for why we did it.



Discussion and A.I for next meeting.

