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2 | 8802-3/802.3 REVISION REQUEST |  
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4 DATE: 08/01/2018  
5 NAME: Lennart Yseboodt  
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8  
9 REQUESTED REVISION: next revision / bring into P802.3bt  
10 STANDARD: 802.3-2015  
11 CLAUSE NUMBER: 79  
12 CLAUSE TITLE: IEEE 802.3 Organizationally Specific Link Layer  
13 Discovery Protocol (LLDP) type, length, and value (TLV)  
14 information elements  
15  
16 PROPOSED REVISION TEXT:  
17 In subclause 79.3.2, page 62 change the following text:  
18 "The revised TLV can be used by the PSE only when it is supplying power  
19 to a PI encompassed within an MDI and by the PD only when it is drawing  
20 power from the PI."  
21  
22 to read:  
23 "The revised TLV shall be sent by the PSE only when it is supplying power  
24 to a PI encompassed within an MDI and by the PD only when it is drawing  
25 power from the PI."  
26  
27 And update the PICS.  
28  
29 I would recommend that this change is incorporated in the P802.3bt  
30 amendment as that project has made changes to this paragraph.  
31  
32 RATIONALE FOR REVISION:  
33 The 'revised TLV' refers to the Type/source/priority, the PD requested  
34 power value and the PSE allocated power value fields.  
35  
36 The existing text hints that these fields are only to be sent by devices  
37 sourcing or receiving power through PoE. However the word "can" is used,  
38 making it a non-requirement.  
39  
40 If a endspan PSE sends out these fields when a midspan is part of the  
41 link segment, whatever is sent out likely causes interoperability issues.  
42  
43 IMPACT ON EXISTING NETWORKS:  
44 This is formally a new requirement on existing PSEs that implement the  
45 PoE TLV. The text however very strongly already leans in the direction of  
46 the proposed shall.  
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2 | Please attach supporting material, if any |
3 | Submit to:- David Law, Chair IEEE 802.3 |
4 | and copy:- Adam Healey, Vice-Chair IEEE 802.3 |
5 | |
6 | At:- E-Mail: stds-802-3-maint-req@ieee.org |
7 | |
8 | | +----- For official 802.3 use -----+ |
9 | | REV REQ NUMBER: 1313 |
10 | | DATE RECEIVED: 8th January 2018 |
11 | | EDITORIAL/TECHNICAL |
12 | | ACCEPTED/DENIED |
13 | | BALLOT REQ'D YES/NO |
14 | | COMMENTS: |
15 +-----+
16 | For information about this Revision Request see - |
17 | http://www.ieee802.org/3/maint/requests/revision\_history.html#REQ1313 |
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