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2  |                8802-3/802.3 REVISION REQUEST                |
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4  DATE: May 25, 2022
5  NAME: George Zimmerman
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9  REQUESTED REVISION:
10 STANDARD: IEEE Std 802.3-202x
11 CLAUSE NUMBER: 1.4.473
12 CLAUSE TITLE: Definitions
13 PROPOSED REVISION TEXT:
14 Change the definition of PoDL PSE at 1.4.473 from:
15 "A device that provides power to a PoDL PD, connected via a link
16 section consisting of a single twisted pair. DTE powering is intended
17 to provide a single 100BASE-T1 or 1000BASE-T1 device with a unified
18 interface for both the reception and transmission of data as well as
19 the power to operate. (See IEEE Std 802.3, Clause 104.)"
20
21 to:
22 "A device that provides power to a PoDL PD, connected via a link
23 section consisting of a single twisted pair. (See IEEE Std 802.3,
24 Clause 104.)"
25
26 RATIONALE FOR REVISION: The second sentence is dated, requires updating,
27 and is not necessary to the definition. It is a statement of the 'intent'
28 of DTE powering, which, while nice, isn't appropriate in the definition,
29 and is misaligned with the terser definition of a PoDL PD.
30 It also gives the incorrect impression that a PoDL PSE always has a data
31 link - a type D may not. Both 802.3cg and 802.3ch missed updating the
32 sentence to include new PHYs 10BASE-T1L, 2.5GBASE-T1, 5GBASE-T1, and
33 10GBASE-T1. Deleting will save maintenance and work. A comment has
34 been submitted to 802.3cy instead of updating the definition to add
35 25GBASE-T1.
36
37 IMPACT ON EXISTING NETWORKS: None.
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40 |Please attach supporting material, if any                        |
41 |Submit to:- David Law, Chair IEEE 802.3                        |
42 |and copy:- Adam Healey, Vice-Chair IEEE 802.3                 |
43 |                                                                |
44 |At:- E-Mail: stds-802-3-maint-req@ieee.org                    |
45 |                                                                |
46 |                +----- For official 802.3 use -----+    |
47 |                | REV REQ NUMBER: 1397                       |
48 |                | DATE RECEIVED: 25 May, 2022                |
49 |                | EDITORIAL/TECHNICAL                         |
50 |                | ACCEPTED/DENIED                             |
51 |                | BALLOT REQ'D   YES/NO                       |
52 |                | COMMENTS:                                    |
53 +-----+
54 | For information about this Revision Request see -             |
55 |http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1397 |
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