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2  |                8802-3/802.3 REVISION REQUEST                |
3  +-----+
4  DATE: 14-Jan-16
5  NAME: David Law
6  COMPANY/AFFILIATION: Hewlett Packard Enterprise
7  E-MAIL: dlaw@hpe.com
8
9  REQUESTED REVISION:
10 STANDARD: IEEE Std 802.3-2012
11 CLAUSE NUMBER: 1.4, 1.5, 33.1
12 CLAUSE TITLE: Definitions, Abbreviation, Overview
13 PROPOSED REVISION TEXT:
14
15 [1] Add the following new definition in alphanumeric order to
16 IEEE Std 802.3 subclause 1.4 'Definitions':
17
18 1.4.xxx IEEE 802.3 Power over Ethernet (IEEE 802.3 PoE): A system
19 consisting of one PSE and one PD that provides power across
20 balanced twisted-pair cabling. (See IEEE Std 802.3, Clause 33).
21
22 [2] Add the following new definition in alphanumeric order to
23 IEEE Std 802.3 subclause 1.5 'Abbreviation':
24
25 PoE Power over Ethernet
26
27 [3] Modify the first paragraph of IEEE Std 802.3 subclause 33.1
28 'Overview' to read as follows:
29
30 This clause defines the functional and electrical characteristics for
31 providing a Power over Ethernet (PoE) system for deployment over
32 balanced twisted-pair cabling. The system consists of two optional
33 power (non-data) entities, a Powered Device (PD) and Power Sourcing
34 Equipment (PSE), for use with the MAU defined in Clause 14 and the
35 PHYs defined in Clause 25 and Clause 40. These entities allow
36 devices to draw/supply power using the same generic cabling as is
37 used for data transmission.
38
39 RATIONALE FOR REVISION:
40
41 The IEEE Std 802.3-2012 keywords include 'Power over Ethernet', however
42 'Power over Ethernet' and 'PoE' do not appear anywhere within the body
43 of the standard.
44
45
46 IMPACT ON EXISTING NETWORKS:
47
48 None.
49
50
51 +-----+
52 |Please attach supporting material, if any                        |
53 |Submit to:-   David Law, Chair IEEE 802.3                      |
54 |and copy:-    Adam Healey, Vice-Chair IEEE 802.3              |
55 |                                                      |
56 |At:-          E-Mail: stds-802-3-maint-req@ieee.org           |
57 |                                                      |

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1 | | +----- For official 802.3 use -----+ |
2 | | | REV REQ NUMBER: 1276 | |
3 | | | DATE RECEIVED: 14-Jan-16 | |
4 | | | EDITORIAL/TECHNICAL | |
5 | | | ACCEPTED/DENIED | |
6 | | | BALLOT REQ'D YES/NO | |
7 | | | COMMENTS: | |
8 | +-----+-----+-----+-----+-----+ |
9 | | For information about this Revision Request see - | |
10 | | http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1276 | |
11 | +-----+-----+-----+-----+-----+ |