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2  |                                REVISION REQUEST                                |
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4  DATE: August 10, 2020
5  NAME: Natalie Wienckowski
6  COMPANY/AFFILIATION: General Motors / General Motors
7  E-MAIL: nwienckowski@msn.com
8  REQUESTED REVISION:
9     STANDARD: 802.3
10    CLAUSE NUMBER: 45.2.1.16
11    CLAUSE TITLE: BASE-T1 PMA/PMD extended ability register (1.18)
12
13
14  PROPOSED REVISION TEXT:
15  Add the following text:
16
17  45.2.1.16.4 10BASE-T1S ability (1.18.3)
18  When read as a one, bit 1.18.3 indicates that the PMA/PMD is able to
19  operate as a 10BASE-T1S PMA type. When read as a zero, bit 1.18.3
20  indicates that the PMA/PMD is not able to operate as a 10BASE-T1S PMA
21  type.
22
23  45.2.1.16.5 10BASE-T1L ability (1.18.2)
24  When read as a one, bit 1.18.2 indicates that the PMA/PMD is able to
25  operate as a 10BASE-T1L PMA type. When read as a zero, bit 1.18.2
26  indicates that the PMA/PMD is not able to operate as a 10BASE-T1L PMA
27  type.
28
29  45.2.1.16.6 1000BASE-T1 ability (1.18.1)
30  When read as a one, bit 1.18.1 indicates that the PMA/PMD is able to
31  operate as a 1000BASE-T1 PMA type. When read as a zero, bit 1.18.1
32  indicates that the PMA/PMD is not able to operate as a 1000BASE-T1 PMA
33  type.
34
35  45.2.1.16.7 100BASE-T1 ability (1.18.0)
36  When read as a one, bit 1.18.0 indicates that the PMA/PMD is able to
37  operate as a 100BASE-T1 PMA type. When read as a zero, bit 1.18.0
38  indicates that the PMA/PMD is not able to operate as a 100BASE-T1 PMA
39  type.
40
41
42  RATIONALE FOR REVISION:
43
44  Other ability bits in 45.2.1 have paragraphs to define the bit usage and
45  the 3 new bits added by IEEE Std 802.3ch-2020 add paragraphs for the 3
46  bits it uses in this register.
47
48
49  IMPACT ON EXISTING NETWORKS: NONE
50
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3 | Please attach supporting material, if any |  
4 | Submit to:- David Law, Chair IEEE 802.3 |  
5 | and copy:- Adam Healey, Vice-Chair IEEE 802.3 |  
6 | |  
7 | At:- E-Mail: stds-802-3-maint-req@ieee.org |  
8 | |  
9 | +----- For official use -----+  
10 | | REV REQ NUMBER: 1376 |  
11 | | DATE RECEIVED: 10 August 2020 |  
12 | | EDITORIAL/TECHNICAL |  
13 | | ACCEPTED/DENIED |  
14 | | BALLOT REQ'D YES/NO |  
15 | | COMMENTS: |  
16 +-----+  
17 | For information about this Revision Request see - |  
18 | [http://www.ieee802.org/3/maint/requests/revision\\_history.html#REQ1376](http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1376) |  
19 +-----+