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4  | DATE: 8 June 2020                 |
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8  |                                     |
9  | REQUESTED REVISION:               |
10 |   STANDARD: IEEE Std 802.3-2018    |
11 |   CLAUSE NUMBER: 98                |
12 |   CLAUSE TITLE: Auto-Negotiation for single differential-pair media |
13 | PROPOSED REVISION TEXT:           |
14 |                                     |
15 | Change "receive_DME_active <= true" to "receive_DME_active <= false" |
16 | in DELIMITER WAIT state of Figure 98-9 - Receive state diagram. |
17 |                                     |
18 |                                     |
19 | RATIONALE FOR REVISION:            |
20 |                                     |
21 | Subclause 98.5.1 defines receive_DME_active as a true/false indication |
22 | of "whether or not a DME page reception is in progress." |
23 | But this disagrees with Figure 98-9, where the DELIMITER WAIT state is |
24 | entered on detecting that DME page reception has completed (the |
25 | condition detect_mv_end = true), and receive_DME_active is assigned |
26 | the value true in DELIMITER WAIT. |
27 | The receive_DME_active signal is used in Figure 98-10 - Half-duplex |
28 | state diagram, and the purpose is to keep this in synch with the Receive |
29 | state diagram. But the problem with the assignment in DELIMITER WAIT |
30 | upsets this purpose. |
31 | Please see the attached presentation for further details. |
32 |                                     |
33 | IMPACT ON EXISTING NETWORKS:       |
34 |                                     |
35 | None - I believe that existing Clause 98 Auto-Negotiation |
36 | implementations have this correct, as it was correct early on in |
37 | IEEE 802.3bp standardization (which introduced Clause 98). |
38 |                                     |
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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 use -----+ |
47 | | | REV REQ NUMBER: 1364 |
48 | | | DATE RECEIVED: 8 June 2020 |
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#REQ1364 |
56 | +-----+

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