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4  DATE: 10 April 2025
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8
9  REQUESTED REVISION:
10     STANDARD: IEEE Std 802.3-2022
11     CLAUSE NUMBER: 55, 72, 82, 127
12     CLAUSE TITLE: (10GBASE-T, 10GBASE-KR, 40/100GBASE-R, and 2.5GBASE-X)
13     PROPOSED REVISION TEXT:
14     Replace <= (separate characters less than and equal to) with
15     the left-arrow assignment character in:
16
17     In Figure 55-29: every instance.
18
19     in the SEND_DATA state of Figure 72-5 signal_detect <= TRUE
20     (other instances of assignment are OK)
21
22     In the 2_GOOD state of Figure 82-13 lane_mapping<x> <= current_am
23     (other instances of assignment in the figure are OK)
24
25     In the RX_K state of Figure 127-8a, 4 assignments:
26     rp_er <= 1, 2 instances, rpd<7:0> <= 0000 0001, and rp_er <= 0.
27
28     In the LPI_K state of Figure 127-8c, 2 assignments:
29     rp_dv <= 0, and rp_er <= 0.
30
31
32     RATIONALE FOR REVISION:
33     The symbol for assignment in state diagrams is defined, and almost
34     universally used in 802.3-2022 as a single left-facing arrow.
35     Occasionally this gets missed in the editing input process and the
36     combination of <= is used, which could mean less than or equal to
37     (even though there is also a single character for that).
38
39     IMPACT ON EXISTING NETWORKS:
40     NONE.
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43  |Please attach supporting material, if any|
44  |Submit to:-   David Law, Chair IEEE 802.3|
45  |and copy:-    Adam Healey, Vice-Chair IEEE 802.3|
46  |              |
47  |At:-          E-Mail: stds-802-3-maint-req@ieee.org|
48  |              |
49  |              +----- For official use -----+
50  |              | REV REQ NUMBER: 1475                |
51  |              | DATE RECEIVED: 10 April 2025        |
52  |              | EDITORIAL/TECHNICAL                 |
53  |              | ACCEPTED/DENIED                     |
54  |              | BALLOT REQ'D      YES/NO             |
55  |              | COMMENTS:                          |
56  +-----+
57  | For information about this Revision Request see - |
58  |http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1475 |
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