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4  | DATE: 04 October 2024             |
5  | NAME: Charity Reed                |
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8  |                                   |
9  | REQUESTED REVISION:              |
10 |   STANDARD: 802.3-2022            |
11 |   CLAUSE NUMBER: Figure 149-24   |
12 |   CLAUSE TITLE: Receive state diagram |
13 | PROPOSED REVISION TEXT:          |
14 | Replace                           |
15 |                                   |
16 | "(rx_cnt = 16) * ((rs_check = BAD) + !frame_boundary)" |
17 |                                   |
18 | with                               |
19 |                                   |
20 | "(rx_cnt = 16) * ((rs_check = BAD) + !frame_boundary)" |
21 |                                   |
22 | from the transition from the CHECK_READ state to the BAD_FRAME state |
23 |                                   |
24 | RATIONALE FOR REVISION:          |
25 | There is an unclosed parenthese in the exit condition from the |
26 | CHECK_READ state to the BAD_FRAME state. This parenthese should be |
27 | closed after the final condition. Removing the parenthese does not make |
28 | sense as that would mean the state diagram would transition to the |
29 | BAD_FRAME state after loading the first symbol into rx_oam. |
30 |                                   |
31 | IMPACT ON EXISTING NETWORKS:     |
32 | This change will impact any 2.5GBASE-T1, 5GBASE-T1, or 10GBASE-T1 PHY |
33 | implementations that treated the condition as if it were "(rx_cnt = 16) |
34 | * (rs_check = BAD) + !frame_boundary". |
35 |                                   |
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37 | |Please attach supporting material, if any |
38 | |Submit to:-   David Law, Chair IEEE 802.3 |
39 | |and copy:-    Adam Healey, Vice-Chair IEEE 802.3 |
40 | |             |
41 | |At:-          E-Mail: stds-802-3-maint-req@ieee.org |
42 | |             |
43 | |             +----- For official use -----+ |
44 | |             | REV REQ NUMBER: 1467 | |
45 | |             | DATE RECEIVED: 04 October 2024 | |
46 | |             | EDITORIAL/TECHNICAL | |
47 | |             | ACCEPTED/DENIED | |
48 | |             | BALLOT REQ'D   YES/NO | |
49 | |             | COMMENTS: | |
50 | +-----+
51 | | For information about this Revision Request see - |
52 | |http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1467 |
53 | +-----+
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