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4  DATE: January 25, 2024
5  NAME: Greg D. LeCheminant
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8
9  REQUESTED REVISION: technical modification to 120G 3.3.5.2 g
10 STANDARD: 802.3ck
11 CLAUSE NUMBER: 120G 3.3.5.2 g
12 CLAUSE TITLE: 120G.3.3.5.2 Host stressed input test calibration
13 PROPOSED REVISION TEXT:
14
15 Eye height and VEC are measured at TP4 as described in 120G.5.2. The
16 pattern generator amplitude and random jitter are adjusted, while the
17 pattern generator output equalization and reference receiver settings are
18 adjusted to minimize far-end VEC, so that the far-end eye height of the
19 smallest eye matches the target value, far-end VEC is within the limits
20 in Table 120G-8, and differential peak-to-peak output voltage, near-end
21 VEC, and eye height are within the limits in Table 120G-3.
22 The differential peak-to-peak voltage measured at TP4 does not exceed the
23 differential peak-to-peak input voltage tolerance given in Table 120G-7.
24
25 (Note the one word change from near-end VEC to far-end VEC for the
26 smallest eye)
27
28 RATIONALE FOR REVISION:
29 It is believed that the 'near-end' was intended to be 'far-end'.
30 Otherwise, the paragraph reads as though the near end VEC is required to
31 simultaneously achieve the limits of both table 120G-8 and 120G-3, which
32 are not the same.
33
34
35 IMPACT ON EXISTING NETWORKS:
36 It is not possible to follow the procedure and build the test stressed
37 signal required to test and verify the performance of hosts
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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: 1427
48 |             | DATE RECEIVED: 25 January 2024
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#REQ1427
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