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4  | DATE: 2023/10/19                 |
5  | NAME: Matt Brown                 |
6  | COMPANY/AFFILIATION: Alphawave Semi |
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8  |                                     |
9  | REQUESTED REVISION:              |
10 |   STANDARD: IEEE Std 802.3ck-2022 |
11 |   CLAUSE NUMBER: 120G             |
12 |   CLAUSE TITLE: Chip-to-module 100 Gb/s one-lane Attachment Unit |
13 |   Interface (100GAUI-1 C2M), 200 Gb/s two-lane Attachment Unit |
14 |   Interface (200GAUI-2 C2M), and 400 Gb/s four-lane Attachment Unit |
15 |   Interface (400GAUI-4 C2M)       |
16 |                                     |
17 | PROPOSED REVISION TEXT:           |
18 | In Table 120G-1, Table 120G-3, Table 120G-7, and 120G-9... |
19 | Change "Differential termination mismatch (max)" |
20 | To "Differential termination mismatch at 1 MHz (max)" |
21 | Apply similar changes in annexes 83E and 120E. |
22 |                                     |
23 | RATIONALE FOR REVISION:           |
24 | The specification for differential termination mismatch specification |
25 | does not specify the frequency at which the measurement is made. The |
26 | intention is that the measurement is made at frequencies lower than the |
27 | minimum frequency measurable by a network analysis (10 MHz, but higher |
28 | than any AC-coupling that might exist between the test fixture ports and |
29 | the termination resistors (typically 50 kHz). In annexes 83A, 83B, and |
30 | 86A the frequency is specified to be 1 MHz. The frequency specification |
31 | seems to have disappeared in later annexes such as 83E, 120E, and 120G. |
32 |                                     |
33 | IMPACT ON EXISTING NETWORKS:      |
34 | The proposed change provides more specific guidance as to how the test is |
35 | performed, but shouldn't affect compliance of devices in the field. |
36 | Rather the changes alleviate any questions as to how newer devices should |
37 | be tested. There should be no adverse impact to existing networks by |
38 | making the proposed changes. |
39 |                                     |
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41 | |Please attach supporting material, if any |
42 | |Submit to:- David Law, Chair IEEE 802.3 |
43 | |and copy:- Adam Healey, Vice-Chair IEEE 802.3 |
44 | | |
45 | |At:- E-Mail: stds-802-3-maint-req@ieee.org |
46 | | |
47 | | +----- For official use -----+ |
48 | | | REV REQ NUMBER: 1424 |
49 | | | DATE RECEIVED: 8 November 2023 |
50 | | | EDITORIAL/TECHNICAL |
51 | | | ACCEPTED/DENIED |
52 | | | BALLOT REQ'D YES/NO |
53 | | | COMMENTS: |
54 | +-----+
55 | | For information about this Revision Request see - |
56 | |http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1424 |
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