REQUESTED REVISION:

| DATE: 2023/10/19 |
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REQUESTED REVISION:

| STANDARD: IEEE Std 802.3ck-2022 |
| CLAUSE NUMBER: 120G |
| CLAUSE TITLE: Chip-to-module 100 Gb/s one-lane Attachment Unit |
| Interface (100GAUI-1 C2M), 200 Gb/s two-lane Attachment Unit |
| Interface (200GAUI-2 C2M), and 400 Gb/s four-lane Attachment Unit |
| Interface (400GAUI-4 C2M) |

PROPOSED REVISION TEXT:

In Table 120G-1, Table 120G-3, Table 120G-7, and 120G-9...

Change "Differential termination mismatch (max)"

To "Differential termination mismatch at 1 MHz (max)"

Apply similar changes in annexes 83E and 120E.

RATIONALE FOR REVISION:

The specification for differential termination mismatch specification
does not specify the frequency at which the measurement is made. The
intention is that the measurement is made at frequencies lower than the
minimum frequency measurable by a network analysis (10 MHz, but higher
than any AC-coupling that might exist between the test fixture ports and
the termination resistors (typically 50 kHz). In annexes 83A, 83B, and
86A the frequency is specified to be 1 MHz. The frequency specification
seems to have disappeared in later annexes such as 83E, 120E, and 120G.

IMPACT ON EXISTING NETWORKS:

The proposed change provides more specific guidance as to how the test is
performed, but shouldn't affect compliance of devices in the field.
Rather the changes alleviate any questions as to how newer devices should
be tested. There should be no adverse impact to existing networks by
making the proposed changes.

Please attach supporting material, if any

Submit to:- David Law, Chair IEEE 802.3
and copy:- Adam Healey, Vice-Chair IEEE 802.3
At:- E-Mail: stds-802-3-maint-req@ieee.org

For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1424