

+-----+  
| 8802-3/802.3 REVISION REQUEST 1223 |  
+-----+

DATE: 13th April, 2010  
NAME: Hugh Barrass  
COMPANY/AFFILIATION: Cisco / Cisco  
E-MAIL: hbarrass@cisco.com

REQUESTED REVISION:  
STANDARD: 802.3-2008  
CLAUSE NUMBER: 55  
CLAUSE TITLE: Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer and baseband medium, type 10GBASE-T

PROPOSED REVISION TEXT:

Subclause 55.12.4 - (PICS) Physical Medium Attachment (PMA)

Change item PMF15, the Value/Comment column to read:

Slave's PBO final setting within two levels (4dB) of the MASTER's PBO level

RATIONALE FOR REVISION:

Item PMF15, the Value/Comment column states "Slave's PBO final setting should be within two levels (4dB) of the MASTER's PBO level" (underline added for emphasis). Whereas the referenced clause states "the SLAVE shall request a desired PBO level that is within two levels (within 4 dB) of the requested MASTER PBO level."

Although there is no ambiguity because the PICS is informative and the referenced clause is normative. The use of "should" causes some people to assume that this is a recommendation not a requirement.

IMPACT ON EXISTING NETWORKS:

No impact to compliant devices. This change reduces the likelihood of developers producing non-compliant devices by mistake.

```
+-----+
| Please attach supporting material, if any
| Submit to:- David Law, Chair IEEE 802.3
| and copy:- Wael William Diab, Vice-Chair IEEE 802.3
|           E-Mail: stds-802-3-maint-req@ieee.org
|
|           +----- For official 802.3 use -----+
|           | REV REQ NUMBER: 1223
|           | DATE RECEIVED: 13th April, 2010
|           | EDITORIAL/TECHNICAL
|           | ACCEPTED/DENIED
|           | BALLOT REQ'D YES/NO
|           | COMMENTS: XX-Xxx-XX Ver: D1.0 Status: R
|
+-----+
| For information about this Revision Request see -
| http://www.ieee802.org/3/maint/requests/revision\_history.html#REQ1223
+-----+
```

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54