

-----+  
| 8802-3/802.3 REVISION REQUEST 1229 |  
+-----+

DATE: 4th Jul, 2010  
NAME: Howard Frazier  
COMPANY/AFFILIATION: Broadcom Corporation/Broadcom Corporation  
E-MAIL: hfrazier@broadcom.com

REQUESTED REVISION:  
STANDARD: IEEE Std 802.3-2008  
CLAUSE NUMBER: 57A  
CLAUSE TITLE: Requirements for support of Slow Protocols

PROPOSED REVISION TEXT:

In subclause 57A.2, change list item a) to read:

- a) The number of frames transmitted in any one-second period per Slow Protocol subtype shall not exceed aSlowProtocolFrameLimit.  
See 30.3.1.1.3X

In the last sentence of 57A.2, change the words 'the absolute' to 'by default the'.

In subclause 30.3.1.1, add a new subclause which defines the attribute:

30.3.1.1.3X aSlowProtocolFrameLimit

ATTRIBUTE

APPROPRIATE SYNTAX:

INTEGER

BEHAVIOUR DEFINED AS:

The maximum number of Slow Protocol frames of a given subtype that can be transmitted in a one-second period. The default value is 10.

Also add this attribute to Table 30-1a, after aMaxFrameLength and include it in the Optional Package.

RATIONALE FOR REVISION:

The current Slow Protocol frame-rate limit of 10 frames per second per subtype may impose undesirable restrictions on management capabilities in some operational scenarios. Identified concerns include the retrieval of large tables, software download, time-sensitive communications during fault conditions, and other cases which may require frame-rates well above 10 frames per second.

IMPACT ON EXISTING NETWORKS:

There will be no impact on existing networks if the default value is used. With the proposed change, network managers and operators will be able to configure a higher value in a controlled manner.

It is assumed that the GDMO would be updated in a future revision of or amendment to 802.3.1, so GDMO changes are not included in this request.

+-----+  
| Please attach supporting material, if any |  
| Submit to:- David Law, Chair IEEE 802.3 |  
| and copy:- Wael William Diab, Vice-Chair IEEE 802.3 |  
|  
| At:- E-Mail: stds-802-3-maint-req@ieee.org |  
|  
| +----- For official 802.3 use -----+ |  
	REV REQ NUMBER: 1229	
	DATE RECEIVED: 4th Jul, 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#REQ1229](http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1229)		
+-----+

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