DATE: 4th Jul, 2010
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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

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For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1229

ISO/IEC 8802-3/IEEE Std.802.3 Revision Request. Subject to change.