REQUESTED REVISION:

STANDARD: 802.3-2012
CLAUSE NUMBER: 77.2.2.3; 77.2.2.7
CLAUSE TITLE: Variables; State diagrams

PROPOSED REVISION TEXT:

[1] Add variable to 77.2.2.3 Variables
ResetBound
TYPE: 32-bit unsigned
This variable represents the value of DelayBound (see 76.3.1.2)
expressed in units of octet time (i.e., ResetBound = 8 * DelayBound).

[2] Add variable to 77.2.2.3 Variables
IdleGapCount
TYPE: 32-bit unsigned
This variable represents length of gap between subsequent frames,
expressed in the unit of octet time. This variable advances by 1 after
every 8-bit times.

[3] Modify Figure 77-14 by replacing all instances of ‘IdleCount’ with
‘IdleGapCount’.

RATIONALE FOR REVISION:
Maintenance Request 1220 (http://www.ieee802.org/3/maint/requests/
maint_1220.pdf) was not merged correctly into 802.3-2012 as published.
While changes to the state diagram in Figure 77-14 were committed, there
are no changes to subclause 77.2.2.3 ‘Variables’ made, leaving
ResetBound and IdleCount variables undefined.
Furthermore, the accepted resolution for Maintenance Request 1220
(http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1220)
indicates the change to the name of the variable from IdleCount to
IdleGapCount, which was not reflected correctly in Figure 77-14.
Since there are no other maintenance requests modifying this particular
figure, or comments received against it in 802.3bh ballots, the missing
definitions and changes to Figure 77-14 must be implemented.

IMPACT ON EXISTING NETWORKS:
None, the proposed changes affect only definitions of functions, but do
not affect the operation of existing networks.
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+------- For official 802.3 use -----------+     |
| REV REQ NUMBER: 1239                     |     |
| DATE RECEIVED: 2013.02.28                |     |
| 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#REQ1239

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