DATE: 15th August, 2013
NAME: Arthur Marris
COMPANY/AFILIATION: Cadence Design Systems
E-MAIL:

REQUESTED REVISION:
STANDARD: IEEE Std 802.3-2012
CLAUSE NUMBER: 78.1.2.2.3
CLAUSE TITLE: When generated

PROPOSED REVISION TEXT:
This primitive is generated by the RS when it receives Assert LPI encoded on the receive xMII.

RATIONALE FOR REVISION:
The current text says ‘This primitive is generated by the PHY when it receives an LPI signal or a wake signal from its link partner’. Figure 78-1 clearly shows that LPI_IDLE.indication is generated by the RS and not the PHY. Also 78.1.3.2 says the value of the primitive is determined solely by the encoding on the MII interface so the reference to the wake signal is incorrect.

IMPACT ON EXISTING NETWORKS:
78.1.2.2.3 is clearly wrong and implementers will have used the definition in 78.1.3.2 which is correct so there will be no impact on existing networks. However the text in 78.1.2.2.3 is confusing and wrong and needs to be changed.

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 information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1248