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|                       8802-3/802.3 REVISION REQUEST                |
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DATE: 14-Nov-2016
NAME: David Law
COMPANY/AFFILIATION: Hewlett Packard Enterprise
E-MAIL: dlaw@hpe.com


REQUESTED REVISION:
  STANDARD: IEEE Std 802.3-2015
  CLAUSE NUMBER: Figure 36-5
  CLAUSE TITLE:  PCS transmit ordered set state diagram


PROPOSED REVISION TEXT:
Change the transition condition on the transition from XMIT_DATA back
to XMIT_DATA from 'TX_EN=FALSE * TX_OSET.indicate' to read 'TX_EN=FALSE
* TX_OSET.indicate * !assert_lpidle'.


RATIONALE FOR REVISION:
assert_lpidle is defined in subclause 36.2.5.1.3 as an alias for
(TX_EN=FALSE * TX_ER=TRUE * (TXD<7:0>=0x01)), hence when the condition
'assert_lpidle * TX_OSET.indicate' becomes true the condition
'TX_EN=FALSE * TX_OSET.indicate' also becomes true. This results in
two valid transitions out of the XMIT_DATA state which is not correct.
The transition to the XMIT_LPIDLE state is the only valid one.


IMPACT ON EXISTING NETWORKS:
None. If Low Power Idle is supported the transition to the XMIT_LPIDLE
state has to be implemented.


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|Please attach supporting material, if any                           |
|Submit to:-   David Law, Chair IEEE 802.3                           |
|                  E-Mail: David_Law@ieee.org                        |
|                                                                    |
|               +------- For official 802.3 use -----------+        |
|               | REV REQ NUMBER: 1304                      |        |
|               | DATE RECEIVED: 14th November, 2016        |        |
|               | EDITORIAL/TECHNICAL                       |        |
|               | ACCEPTED/DENIED                           |        |
|               | BALLOT REQ'D    YES/NO                    |        |
|               | COMMENTS:                                 |        |
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| For information about this Revision Request see -                  |
|http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1304 |
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