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|           8802-3/802.3 REVISION REQUEST 1218           |
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DATE:                23 of February, 2010
NAME:                Marek Hajduczenia
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REQUESTED REVISION:
  STANDARD:          IEEE 802.3av-2009
  CLAUSE NUMBER:    76.3.2.5.7
  CLAUSE TITLE:     State diagrams

PROPOSED REVISION TEXT:
IEEE 802.3av-2009 Figure 76-16 - 'Data Detector, input process state
diagram' contains two constant values i.e. 'SH_CTRL' and 'SH_DATA' which
are not defined in IEEE Std 802.3-2008 and have not been defined in IEEE
802.3av-2009 either.

Suggested resolution:

Add new entries to 76.3.2.5.2 Constants as follows:

SH_DATA
  Type: 2-bit unsigned
  The value of synchronization header, indicating that the given 66-bit
block carries valid data (per 49.2.4.6), where the said block has the
format specified for Data Block Format in Figure 49-7.
  Value: 0x02 (binary representation 10)

SH_CTRL
  Type: 2-bit unsigned
  The value of synchronization header, indicating that the given 66-bit
block carries valid data (per 49.2.4.6), where the said block has the
format specified for Control Block Format in Figure 49-7.
  Value: 0x01 (binary representation 01)

RATIONALE FOR REVISION:
At this time, both constants are undefined in IEEE 802.3av-2009 while
they are used in Figure 76-16 in logical conditions.

IMPACT ON EXISTING NETWORKS:
None. Operation of the state diagrams is not affected. None of the
existing technical features of 10G-EPON are affected.

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| 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 -----+ |
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For information about this Revision Request see -		
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1218		
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