REQUESTED REVISION:

STANDARD: IEEE Std 802.3ah-2004
CLAUSE NUMBER: 65.2.2.2
CLAUSE TITLE: Functions

PROPOSED REVISION TEXT:

IsIdle()
This function is used to determine whether tx_code-group is /K28.5/ or
any codegroup that follows a /K28.5/.

For details see attached draft.

RATIONALE FOR REVISION:

IsIdle(..) function returns true for /T/ and /R/ code-groups. Thus, even
though these code-groups may still remain in the buffer, the data
detector may start shutting down the laser. This would result in an ONU
cutting short its transmission, truncating the EPD of the last packet in
a burst.

Also configuration code-groups should not be used in EPON. If /K28.5/
C21.5/ or /K28.5/D2.2/ are found in the buffer, they should be treated as
idles and the ONU's laser should not turn on.

IMPACT ON EXISTING NETWORKS:

None.
65.2.2.2 Functions

Change the IsIdle() function as follows:

IsIdle(tx_code-group)

This function is used to determine whether tx_code-group is /T/, /R/, /K28.5/ or any codegroup other than /D21.5/ or /D2.2/ that follows a /K28.5/.