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| 8802-3/802.3 REVISION REQUEST 1155 |
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DATE: 8th Jul, 2004
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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.

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| Please attach supporting material, if any |
| Submit to:- Bob Grow, Chair IEEE 802.3 |
| E-Mail: Bob.Grow@intel.com |
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| +----- For official 802.3 use -----+ |
| REV REQ NUMBER: 1155 |
| DATE RECEIVED: 8th Jul, 2004 |
| ~~EDITORIAL/TECHNICAL~~ |
| ACCEPTED/~~DENIED~~ |
| BALLOT REQ'D YES/~~NO~~ |
| COMMENTS: 08-Mar-06 Ver: D2.0 Status: P |
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| For information about this Revision Request see - |
| http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1155 |
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65.2.2.2.2 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/`.

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