
| 8802-3/802.3 REVISION REQUEST |

DATE: March 07, 2005
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REQUESTED REVISION:
STANDARD: IEEE Std. 802.3ah-2004
CLAUSE NUMBER: 57
CLAUSE TITLE: Operations, Administration, and Maintenance (OAM)
PROPOSED REVISION TEXT:
In Figure 57-5--OAM Discovery state diagram add the line
"Start local_lost_link_timer" to the FAULT state.

In subclause 57.3.2.1.1 FAULT state change the line, "Then, local_stable is set to FALSE." to "Then, local_stable is set to FALSE and local_lost_link_timer is reset."

RATIONALE FOR REVISION:

When local_lost_link_timer_done is true an OAM capable device is required to return to the FAULT state. The device will remain in this state until the local_lost_link_timer is restarted. However local_lost_link_timer is restarted only on the reception of an OAMPDU. This presents an issue because the device is in the FAULT state as a result of not receiving an OAMPDU from its remote partner for 5 seconds.

Once the device is stuck in the FAULT state, it can no longer transmit OAMPDUs because local_pdu <= RX_INFO. The remote OAM device will then fall into the FAULT state because its local_lost_link_timer_done will be true after 5 seconds. Now both devices are stuck in the FAULT state.

IMPACT ON EXISTING NETWORKS:

Minimal impact on existing networks. Current implementations tested in our lab already demonstrate the suggested behavior. This change would make a number of existing devices conformant.

| 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: 1159
| DATE RECEIVED: 7th March, 2005
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| 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#REQ1159
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