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| 8802-3/802.3 REVISION REQUEST 1163 |
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DATE: 30th March, 2005
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REQUESTED REVISION:
STANDARD: IEEE Std. 802.3af-2003
CLAUSE NUMBER: 33.2.3.1
CLAUSE TITLE: Overview

PROPOSED REVISION TEXT:

Clause 33.2.3.1 last paragraph

Replace the following text:

If a PSE performing detection using Alternative A detects an invalid signature, it should initiate a second detection attempt within 1 second after the beginning of the first detection attempt.

This ensures that a PSE performing detection using Alternative A will complete a second detection cycle prior to a PSE using Alternative B that might also be present on the same Link Section, and therefore causing the invalid signature, completing its second detection cycle due to the Alternative B detection backoff described above.

with:

If a PSE performing detection using Alternative A detects an invalid signature, it should complete a second detection attempt within 2 sec after the beginning of the first detection attempt.

This allows that a PSE performing detection using Alternative A will complete a detection cycle within reasonable number of attempts prior to a PSE using Alternative B that might also be present on the same Link Section, and therefore causing the invalid signature, completing its second detection cycle due to the Alternative B detection backoff described above.

Add figure 33C.12.1-a and 33C.12.1-b to 33C.1.11

RATIONALE FOR REVISION:

See attached figures 33C.12.1 for illustration of the problem and its solution.

The old text containing the word "beginning" in PSE alternative A is an error due to the fact that the intent per the current text was to initiate new detection cycle, with a time delay after the 1st attempt in

order to ensure success in the second attempt at the worst case conditions.

According to the current text, detection may be completed at the 3rd detection attempt (or even with more attempts if PSE alternative A is using detection timing shorter than PSE that using alternative B) and not in the 2nd attempt.

The revision that is proposed above, fix the confusion, allow the use of the current timing, allows completing detection in the 2nd attempt with flexible delay time and not limiting the number of attempts done by PSE A until completing the detection prior to PSE B initiating its 2nd attempt.

The specification in this paragraph has no effect on compliance, it just fix a recommendation that can not be implemented with the current wording

IMPACT ON EXISTING NETWORKS:

No impact.

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| Please attach supporting material, if any
| Submit to:- Bob Grow, Chair IEEE 802.3
|           E-Mail: Bob.Grow@intel.com
|
|           +----- For official 802.3 use -----+
|           | REV REQ NUMBER: 1163
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| For information about this Revision Request see -
| http://www.ieee802.org/3/maint/requests/revision\_history.html#REQ1163
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