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| 8802-3/802.3 REVISION REQUEST 1322 |
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DATE: 11th September, 2018
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REQUESTED REVISION:

STANDARD: 802.3-2018
CLAUSE NUMBER: 30, 33
CLAUSE TITLE: 30.9.1.1.9 aPSEOverLoadCounter; 33.5.1.2.8 Overload
(12.8); 33.8.3.7 Management function requirements; 30.9.1.1.10
aPSEShortCounter; 33.5.1.2.7 Short Circuit (12.9)

PROPOSED REVISION TEXT:

In 30.9.1.1.9, change:

"This counter is incremented when the PSE state diagram (Figure 33-9) enters the state ERROR_DELAY_OVER." to:

"This counter is incremented when the PSE state diagram (Figure 33-9) enters the state ERROR_DELAY due to the ovld_detected variable being TRUE."

In 30.9.1.1.10, change:

"This counter is incremented when the PSE state diagram (Figure 33-9) enters the state ERROR_DELAY_SHORT." to:

"This counter is incremented when the PSE state diagram (Figure 33-9) enters the state ERROR_DELAY due to the short_detected variable being TRUE."

In 33.5.1.2.7, change:

"This bit shall be set to one when the PSE state diagram (Figure 33-9) enters the state 'ERROR_DELAY.'" to:

"This bit shall be set to one when the PSE state diagram (Figure 33-9) enters the state 'ERROR_DELAY' due to the short_detected variable being TRUE."

In 33.5.1.2.8, change:

"This bit shall be set to one when the PSE state diagram (Figure 33-9) enters the state 'ERROR_DELAY_OVER.'" to:

"This bit shall be set to one when the PSE state diagram (Figure 33-9) enters the state 'ERROR_DELAY' due to the ovld_detected variable being TRUE."

In 33.8.3.7 Management function requirements, item MF28, change:

"Bit indicates a short circuit condition has been detected. Set to one entering ERROR_DELAY state." to:

"Bit indicates a short circuit condition has been detected. Set to one entering ERROR_DELAY state due to the short_detected variable being TRUE."

In 33.8.3.7 Management function requirements, item MF30, change:

"Bit indicates an overload condition has been detected. Set to one when entering the ERROR_DELAY_OVER state" to:

"Bit indicates an overload condition has been detected. Set to one when entering the ERROR_DELAY state due to the ovld_detected variable being TRUE"

RATIONALE FOR REVISION:

Figure 33-9-PSE state diagram does not contain state ERROR_DELAY_OVER or ERROR_DELAY_SHORT, but instead ERROR_DELAY only. The problem exists in 2018 2015, and 2012 editions of the standard. The state "ERROR_DELAY_OVER" and "ERROR_DELAY_SHORT" were present in 2008 edition but merged thereafter, but the associated text has never been updated accordingly.

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| Please attach supporting material, if any
| Submit to:- David Law, Chair IEEE 802.3
| and copy:- Adam Healey, Vice-Chair IEEE 802.3
|
| At:-          E-Mail: stds-802-3-maint-req@ieee.org
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| For information about this Revision Request see -
| http://www.ieee802.org/3/maint/requests/revision\_history.html#REQ1322
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