

## IEEE 802.17 Maintenance Request 0125

MR number 0125 Classification Technical Date received 9/15/2006 **Reserved for official 802.17 use**

Standard 802.17-2004 Page 139 Subclause 7.6.3.8.4 Figure \_\_\_\_\_ Table 7.22

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**Perceived Problem** [ If more space is needed, please provide an additional file, preferably as plain text. ]

ReceiveStrip state machine is allowed to update keepalive variable when station has span failure. Problem appears when station uses a WRAPPING protection method with EDGE\_WRAPING variant. In effect of updating keepalive variable, spanOperState variable can be set on wrong value (ReceiveMonitor state machine can set spanOperStatus on IDLE when real state of span is SF because station hasn't got any neighbour's SCFF frames).

**Proposed Remedy** [ If more space is needed, please provide an additional file, preferably as plain text. ]

Add a row to the ReceiveStrip state machine between rows 7 and 8, that contains i.e.:

Conditions:

```
frame.ft == RPR_FT_FAIRNESS &&  
frame.ffType == RPR_SINGLE_CHOKE &&  
frame.saCompact == myMacAddress &&  
frame.ri == myRi
```

Actions:

-

Next state:

START

**Rationale For Remedy** [ If more space is needed, please provide an additional file, preferably as plain text. ]

Keepalive variable will not update, so state of spanOperStatus will not change without actual change of span state.

**Remedy's Effect On Existing Equipment** [ If more space is needed, provide an additional file, preferably as plain text. ]

Only fix the problem.

**When you have completed this form, please mail it to STDS-802-17-MR @ listserv.ieee.org.**