IEEE 802.1 Maintenance Request
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| IEEE 802.1 REVISION REQUEST 0037                                    |
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REQUESTED REVISION:
      STANDARD: 802.1Q-2011
      CLAUSE NUMBER: Clause 20.9
      CLAUSE TITLE: MEP variables

RATIONALE FOR REVISION:

There is administrative state defined for MEP (MEPActive), but there is no
operational state for MEP in 802.1Q-2011. Operational state is important for
indicating if a MEP works normally or not.

PROPOSED REVISION TEXT:

Clause 20.9:
Add x) MEPOperationalState (20.9.xx)
Add Clause 20.9.xx MEPOperationalState: This state indicates the operational state
of the MEP. If the value is 'up', the MEP is able to provide OAM capabilities and
has been set to active via the dot1agCfmMepActive object. If the value is 'down'
the MEP is not able to provide OAM capabilities, for example because it has been
disabled via the dot1agCfmMepActive object, has detected an operational failure
condition, or has failed an internal test. If the value is 'testing' the MEP has
been placed into a test mode, either a troubleshooting mode or ETH-Test
'Out-of-service' mode.If the value is 'unknown' the MEP is unable to report the
operational state.

Clause 17
Add corresponding MIB objects

IMPACT ON EXISTING NETWORKS:

None

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|  Please attach supporting material, if any                          |
|  Submit to:- Tony Jeffree, Chair IEEE 802.1                          |
|   and copy:- Paul Congdon, Vice-Chair IEEE 802.1                     |
|     E-Mail: stds-802-1-maint-req@ieee.org                            |
|                                                                      |
|           +------- For official 802.1 use -----------+              |
|           | REV REQ NUMBER:   0037                    |              |
|           | DATE RECEIVED:    07/10/2012              |              |
|           | EDITORIAL/TECHNICAL                       |              |
|           | ACCEPTED/DENIED                           |              |
|           | BALLOT REQ'D YES/NO                       |              |
|           | Status: R                                 |              |
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