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| IEEE 802.1 REVISION REQUEST 0156                                 |
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DATE: 11 January 2015
NAME: Raphael Garti
COMPANY/AFFILIATION: RAD Data Communications Ltd.
E-MAIL: raphael_g@rad.com


REQUESTED REVISION:
     STANDARD: 802.1X-2010
     CLAUSE NUMBER: 13.5
     CLAUSE TITLE: Definitions for PAE MIB


RATIONALE FOR REVISION:
According to the description of ieee8021XAuthenticatorTable, it should be instantiated if
ieee8021XPaePortAuthenticatorEnable in the corresponding entry of the ieee8021XPaePortTable
is 'true'.
The problems with this are (1) you cannot configure the authenticator before enabling it,
and (2) any configuration is lost if the authenticator is disabled.

PROPOSED REVISION TEXT:
To allow configuration of an authenticator independently of its administrative status, the
table should depend on capability bits rather than administrative status:

ieee8021XAuthenticatorTable OBJECT-TYPE
SYNTAX SEQUENCE OF Ieee8021XAuthenticatorEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"A table that contains the configuration objects for the
Authenticator PAE associated with each port. This table will be
instantiated if the value of the object ieee8021XPaePortCapabilities
in the corresponding entry of the ieee8021XPaePortTable has the bit 'authImplemented' On.

For the writeable objects in this table, the configured value
shall be stored in persistent memory and remain unchanged
across a re-initialization of the management system of the
entity."
REFERENCE "802.1X Clause 8, Figure 12-3"
::= { ieee8021XPaeAuthenticator 1 }

IMPACT ON EXISTING NETWORKS:



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| Please attach supporting material, if any                        |
| Submit to:- Glenn Parsons, Chair IEEE 802.1                      |
|   and copy:- John Messenger, Vice-Chair IEEE 802.1               |
|     E-Mail: stds-802-1-maint-req@ieee.org                        |
|                                                                  |
|           +------- For official 802.1 use -----------+          |
|           | REV REQ NUMBER: 0156                      |          |
|           | DATE RECEIVED: 11 January 2015            |          |
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|          |   EDITORIAL/TECHNICAL                    |          |
|          |   ACCEPTED/DENIED                        |          |
|          |   BALLOT REQ'D YES/NO                    |          |
|          |   Status: R                             |          |
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|          |   EDITORIAL/TECHNICAL                    |          |
|          |   ACCEPTED/DENIED                        |          |
|          |   BALLOT REQ'D YES/NO                    |          |
|          |   Status: R                             |          |
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