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| IEEE 802.1 REVISION REQUEST 0162 |
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DATE: 12 May 2015
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REQUESTED REVISION:

STANDARD: 802.1AE-2006
CLAUSE NUMBER: 13.6
CLAUSE TITLE: Definitions for MAC Security MIB

RATIONALE FOR REVISION:

Confidentiality offset is set per cipher suite in `secyCipherSuiteProtectionOffset`.
On the other hand, (1) `ieee8021XKayMacSecConfidentialityOffset` (802.1X-2010, 13.5) allows to set the offset per port, and (2) `ieee8021XKayMacSecCapability`'s value `macSecCapability3` means that the port is capable in confidentiality with an offset 0, 30 or 50.
If the offset is set in the cipher suite level, `macSecCapability3` does not make sense and `secyCipherSuiteProtectionOffset` should not be writable.

PROPOSED REVISION TEXT:

Change the SYNTAX of `secyCipherSuiteProtectionOffset` to BITS, so it would describe what the suite is capable of, and use `ieee8021XKayMacSecConfidentialityOffset` to set the actual offset in use.

Alternatively, if the offset is meant to be set in the suite level, both `ieee8021XKayMacSecConfidentialityOffset` and `ieee8021XKayMacSecCapability` are redundant and can be deprecated, or at least `ieee8021XKayMacSecConfidentialityOffset` should be read-only.

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 |
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| +----- For official 802.1 use -----+ |
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