```
+----------------------------------------------------------------------+
| IEEE 802.1 REVISION REQUEST 0020                                     |
+----------------------------------------------------------------------+
```

DATE: 12/21/2011
NAME: Rich Newpol
COMPANY/AFFILIATION: FORESYS
E-MAIL: rich.newpol@foresysdesign.com

REQUESTED REVISION:
    STANDARD: 802.1Q-2011
    CLAUSE NUMBER: 10.8.1.2, 10.8.2.8
    CLAUSE TITLE: Structure definition, Encoding of VectorHeader

RATIONALE FOR REVISION:

According to the Note at the end of 10.8.2.10.1, and according to the
intent of the specification with respect to the range of allowable values
of the "NumberOfValues" field, the value of zero is allowed. When
NumberOfValues is zero, the ThreePackedEvents vector is not included in the
PDU. However substatement (e) at the end of clause 10.8.2.8 states that
NumberOfValues must be "nonzero". In addition, the BNF description of an
MRPDU in 10.8.1.2, shows the ThreePackedEvent vector as a required field
(i.e. always present).

PROPOSED REVISION TEXT:

BNF of 10.8.1.2:   "VectorAttribute ::= VectorHeader, FirstValue {,
Vector}"

In 10.8.2.8: e) The number of AttributeEvent values does not exceed 8191.

In addition, it is proposed that further clarification be provided with the
addition of sub-statement (f) as follows:

In 10.8.2.8:   f) If the number of AttributeEvent values is zero,
FirstValue is ignored and the value is skipped. However, FirstValue must
still be present, and of the correct length, in octets, as specified by the
AttributeLength field (10.8.2.3) for the Attribute to which the message
applies.

IMPACT ON EXISTING NETWORKS:

Since these changes represent a clarification and correction of the text
describing the specification, and not an actual change to the operation,
format, or behavior of the protocol, there is no expected impact to the
existing networks.

```
+----------------------------------------------------------------------+
|  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: 0020                      |           |
|              | DATE RECEIVED: 12/21/2011                 |           |
|              | EDITORIAL/TECHNICAL                       |           |
|              | ACCEPTED/DENIED                           |           |
|              | BALLOT REQ'D YES/NO                       |           |
|              | Status: R                                 |           |
```

maint-0020.txt

```
|            +-----------------------------------------+            |
+-----------------------------------------------------------------+
```