

Proposed changes to support Management VID TLV

(page 14 [32], line 24) Insert:

b) 6) Management VID TLV;

(page 121 [139], line 38) Insert:

E.2.6 Management VID

Systems may support the provisioning of a VID identifying a VLAN on which Bridge management traffic is to be carried. In some cases, the operator may wish to ensure that a consistent value has been assigned to this Management VID at all Bridges within the network. This may be the case when the operator wishes to forward management traffic between non-adjacent bridges without traversing an IP Routing protocol stack; that is, using VLAN forwarding. Where the value of the Management VID has been provisioned throughout the LAN, the information carried in the VID Management TLV allows detection of inconsistent configuration of the Management VID.

(page 123 [141], line 33) Insert next-to-last row in table F-1 (assuming that VID Usage Digest has been added as item 05):

06 Management VID F.6

(page 123 [141], line 35) Modify last row in table F-1 (assuming that VID Usage Digest has been added as item 05):

07 07-FF reserved -

(page 126 [144], line 41) Insert subclause F.7 similar to section F.2 but describing the Management VID TLV instead of the Port VLAN ID TLV, and appropriately renumbering the current clauses F.6 to F.8 and their subclauses:

F.7 Management VID TLV

The Management VID TLV is an optional TLV that allows an IEEE 802.1Q-compatible IEEE 802 LAN station to advertise the value of a Management VID associated with the system.

Figure F-6 shows the Management VID TLV format.

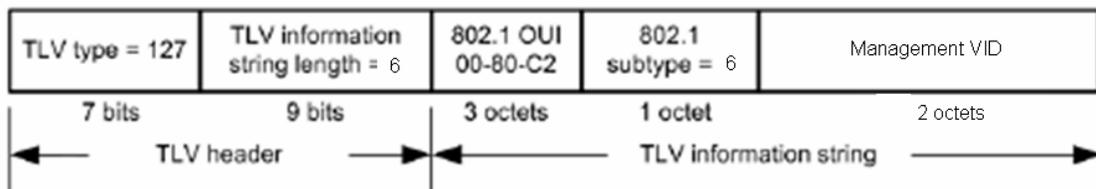


Figure F-6 – Management VID

F.6.1 Management VID

The Management VID field shall contain the value configured for the Management VID or the value 0 if a Management VID has not been provisioned.

(page 127 [145], line 37) Insert (assuming that VID Usage Digest has been added as item 05):

F.6.2.6 Management VID managed objects

a) Management VID: The Management VID value (see F.6.2).

(page 128 [146], line 25) Update table F-4 by adding the following row (following VID Usage Digest if this has been previously added):

TLV Name: Management VID

TLV Variable: Management VID

LLDP local systems MIB object: lldpXdot1LocManVid

(page 128 [146], line 49) Update table F-5 by adding the following row (following VID Usage Digest if this has been previously added):

TLV Name: Management VID

TLV Variable: Management VID

LLDP remote systems MIB object: lldpXdot1RemManVid

(page 134 [152], line 39) Insert the following text (following text for VID Usage Digest if this has been previously added):

```
--
-- lldpXdot1ConfigManVid : configure the transmission of the
-- Management VID TLVs on set of ports.
--
lldpXdot1ConfigManVidTable OBJECT-TYPE
SYNTAX SEQUENCE OF LldpXdot1ConfigManVidEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"A table that controls selection of LLDP Management VID TLVs to be transmitted
on individual ports."
 ::= { lldpXdot1Config 6 }

lldpXdot1ConfigManVidEntry OBJECT-TYPE
SYNTAX LldpXdot1ConfigManVidEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"LLDP configuration information that specifies the set of ports (represented
as a PortList) on which the Local System Management VID will be transmitted.
This configuration object augments the lldpXdot1LocManVidEntry, therefore it is
only present along with the Management VID contained in the associated
lldpXdot1LocManVidEntry entry. Each active lldpXdot1ConfigManVidEntry must be
restored from non-volatile storage (along with the corresponding
lldpXdot1LocManVidEntry) after a re-initialization of the management system."

AUGMENTS { lldpConfigManVidEntry }
 ::= { lldpXdot1ConfigManVidTable 1 }

LldpXdot1ConfigManVidEntry ::= SEQUENCE {
lldpXdot1ConfigManVidTxEnable TruthValue
}

lldpXdot1ConfigManVidTxEnable OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-write
```

```

STATUS current
DESCRIPTION
"The lldpXdot1ConfigManVidTxEnable, which is defined as a truth value and
configured by the network management, determines whether the IEEE 802.1
organizationally defined Management VID TLV transmission is allowed on a given
LLDP transmission capable port. The value of this object must be restored from
non-volatile storage after a re-initialization of the management system."
REFERENCE
"IEEE Std 802.1AB-2005 10.2.1.1"
DEFVAL { false }
::= { lldpXdot1ConfigManVidEntry 1 }

```

(Page 138 [156], line 26) Insert the following text:

```

--
-- lldpXdot1LocManVid: contains the value configured on the Local
-- system for the Management VID, or the value 0 if a Management VID has not
-- been provisioned.
--
lldpXdot1LocManVid OBJECT-TYPE
SYNTAX Integer32 (0|1..4094)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"The integer value configured on the Local system for the Management VID, or
the value 0 if a Management VID has not been provisioned."
REFERENCE
"IEEE Std 802.1AB-2005 F.6"
::= { lldpXdot1LocalData 5 }

```

(Page 142 [160], line 20) Insert the following text (following the text for VID Usage Digest if this has been previously added):

```

--
-- lldpXdot1RemManVid: contains the value configured on the Remote
-- system for the Management VID, or the value 0 if a Management VID has not
-- been provisioned.
--
lldpXdot1RemManVid OBJECT-TYPE
SYNTAX Integer32 (0|1..4094)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"The integer value configured on the Local system for the Management VID, or
the value 0 if a Management VID has not been provisioned."
REFERENCE
"IEEE Std 802.1AB-2005 F.6"
::= { lldpXdot1RemoteData 5 }

```

(page 146 [164], line 13) Add as last in list to item dot1xltlv in table F.8.3 (following the Row added for VID Usage Digest TLV if this has been previously added):
Management VID TLV; dot1xltlv:M; F.7, yes[]