

```

IEEE8021-EVBB-MIB DEFINITIONS ::= BEGIN

-- =====
-- MIB for IEEE 802.1Q devices
-- =====

IMPORTS
    MODULE-IDENTITY, OBJECT-TYPE,
    Integer32, Counter32, Counter64
        FROM SNMPv2-SMI
    MacAddress, TruthValue, TimeInterval
        FROM SNMPv2-TC
    MODULE-COMPLIANCE, OBJECT-GROUP
        FROM SNMPv2-CONF
    ieee802dot1mibs, IEEE8021PbbComponentIdentifier,
    IEEE8021BridgePortNumber
        FROM IEEE8021-TC-MIB
    VlanIndex
        FROM Q-BRIDGE-MIB

;

ieee8021BridgeEvbbMib MODULE-IDENTITY
    LAST-UPDATED "201010250000Z" -- October 25, 2010
    ORGANIZATION "IEEE 802.1 Working Group"
    CONTACT-INFO
        " WG-URL: http://grouper.ieee.org/groups/802/1/index.html
        WG-EMail: stds-802-1@ieee.org

        Contact: <TBD>
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                IEEE Standards Association
                445 Hoes Lane
                P.O. Box 1331
                Piscataway
                NJ 08855-1331
                USA
        E-mail: STDS-802-1-L@LISTSERV.IEEE.ORG"
    DESCRIPTION
        "The EVB MIB module for managing devices that support
        Ethernet Virtual Bridging.

        Unless otherwise indicated, the references in this MIB
        module are to IEEE Std 802.1Q-2010.

        Copyright (C) IEEE.
        This version of this MIB module is part of IEEE802.1Q;
        see the draft itself for full legal notices."
    REVISION      "201010250000Z" -- October 25, 2010
    DESCRIPTION
        "Initial revision."
    ::= { ieee802dot1mibs <TBD> }

-- =====
-- subtrees in the EVBB MIB

```

```
-- =====
ieee8021BridgeEvbbNotifications
    OBJECT IDENTIFIER ::= { ieee8021BridgeEvbbMib 0 }

ieee8021BridgeEvbbObjects
    OBJECT IDENTIFIER ::= { ieee8021BridgeEvbbMib 1 }

ieee8021BridgeEvbbConformance
    OBJECT IDENTIFIER ::= { ieee8021BridgeEvbbMib 2 }

--
-- EVB Bridge managed object
--

ieee8021BridgeEvbbConfig OBJECT IDENTIFIER ::= { ieee8021BridgeEvbbObjects 1 }

ieee8021BridgeEvbbECPACKTimer OBJECT-TYPE
SYNTAX      Integer32
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
    "A value indicating the Bridge Proposed ECP ackTimer."
REFERENCE
    "12.24.1.1.3 "
 ::= { ieee8021BridgeEvbbConfig 1 }

ieee8021BridgeEvbbECPMaxRetires OBJECT-TYPE
SYNTAX      Integer32
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
    "A value indicating the Bridge ECP maxRetries. "
REFERENCE "12.24.1.1.3"
 ::= { ieee8021BridgeEvbbConfig 2 }

ieee8021BridgeEvbbVDPResourceTimeout OBJECT-TYPE
SYNTAX      Integer32
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION "A value indicating the Bridge Resource VDP Timeout."
REFERENCE "12.24.1.1.3"
 ::= { ieee8021BridgeEvbbConfig 3 }

ieee8021BridgeEvbbVDPProposedKeepAliveTimeout OBJECT-TYPE
SYNTAX      Integer32
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION "A value indicating the Bridge Proposed VDP Keep Alive Timeout."
```

```

REFERENCE "12.24.1.1.3"
 ::= { ieee8021BridgeEvbbConfig 4 }

--
-- EVB Bridge Port Type managed object : see the extended
--                                     ieee8021BridgeBasePortTypeCapabilities
--

```

```

--
-- Server Edge Port Configuration
--

```

```

ieee8021BridgeEvbbSEPConfigTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF Ieee8021BridgeEvbbSEPConfigEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        "A table that contains the SEP configuration items."
    REFERENCE   "12.24.3"
    ::= { ieee8021BridgeEvbbObjects 2 }

```

```

ieee8021BridgeEvbbSEPConfigEntry OBJECT-TYPE
    SYNTAX      Ieee8021BridgeEvbbSEPConfigEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        "A list of objects containing information about SEP configuration."

    INDEX { ieee8021BridgeEvbbSEPComponentId,
            ieee8021BridgeEvbbSEPPort
          }
    ::= { ieee8021BridgeEvbbSEPConfigTable 1 }

```

```

Ieee8021BridgeEvbbSEPConfigEntry ::=
    SEQUENCE {
        ieee8021BridgeEvbbSEPComponentId    IEEE8021PbbComponentIdentifier,
        ieee8021BridgeEvbbSEPPort          IEEE8021BridgePortNumber,

        ieee8021BridgeEvbbTLVSupport       TruthValue,
        ieee8021BridgeEvbbRRAdminStatus    TruthValue,
        ieee8021BridgeEvbbRROperStatus     TruthValue,
        ieee8021BridgeEvbbECAdminStatus    TruthValue,
        ieee8021BridgeEvbbECOperStatus     TruthValue,
        ieee8021BridgeEvbbECConfigAckTimer Integer32,
        ieee8021BridgeEvbbECOperAckTimer   Integer32,
        ieee8021BridgeEvbbECOperMaxRetries Integer32,
        ieee8021BridgeEvbbECPTxFrameCount Counter64,
        ieee8021BridgeEvbbECPTxRetryCount Counter64,
        ieee8021BridgeEvbbECPTxFailures   Counter64,
        ieee8021BridgeEvbbECPRxFrameCount Counter64,

```

```

ieee8021BridgeEvbbVDPSupport      TruthValue,
ieee8021BridgeEvbbVDPAdminStatus  TruthValue,
ieee8021BridgeEvbbVDPOperStatus   TruthValue,
ieee8021BridgeEvbbVDPOperRsrcTimeout Integer32,
ieee8021BridgeEvbbVDPKeepAliveTimeout Integer32
}

```

```

ieee8021BridgeEvbbSEPComponentId OBJECT-TYPE
SYNTAX      IEEE8021PbbComponentIdentifier
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
"The component identifier is used to distinguish between the
multiple virtual bridge instances within a PBB.  In simple
situations where there is only a single component the default
value is 1."
 ::= { ieee8021BridgeEvbbSEPConfigEntry 1 }

```

```

ieee8021BridgeEvbbSEPPort OBJECT-TYPE
SYNTAX      IEEE8021BridgePortNumber
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
"The port number of the port for which this entry
contains EVBB management information."
REFERENCE   "12.24.3.1.3 a)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 2 }

```

```

ieee8021BridgeEvbbTLVSupport      OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
"This object indicates the support for EVB TLV."
REFERENCE   "12.24.3.1.3 b)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 3 }

```

```

ieee8021BridgeEvbbRRAdminStatus  OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
"This object is used to turn on or off the Reflective Relay."
REFERENCE   "12.24.3.1.3 c)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 4 }

```

```

ieee8021BridgeEvbbRROperStatus    OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the operational status of Reflective Relay."

```

```
REFERENCE    "12.24.3.1.3 d)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 5 }

ieee8021BridgeEvbbECPAdminStatus    OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
"This object specifies the ECP administrative status."
REFERENCE    "12.24.3.1.3 e)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 6 }

ieee8021BridgeEvbbECPOperStatus    OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the ECP operational status."
REFERENCE    "12.24.3.1.3 f)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 7 }

ieee8021BridgeEvbbECPConfigAckTimer    OBJECT-TYPE
SYNTAX      Integer32
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
"This object specifies the administrative value of ackTimer for ECP."
REFERENCE    "12.24.3.1.3 g)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 8 }

ieee8021BridgeEvbbECPOperAckTimer    OBJECT-TYPE
SYNTAX      Integer32
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the operational value of ackTimer for ECP."
REFERENCE    "12.24.3.1.3 h)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 9 }

ieee8021BridgeEvbbECPOperMaxRetries    OBJECT-TYPE
SYNTAX      Integer32
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the maxRetries for ECP."
REFERENCE    "12.24.3.1.3 i)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 10 }

ieee8021BridgeEvbbECPTxFrameCount    OBJECT-TYPE
SYNTAX      Counter64
MAX-ACCESS  read-only
```

```
STATUS      current
DESCRIPTION
"This object specifies the TxFrameCount for ECP."
REFERENCE   "12.24.3.1.3 j)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 11 }

ieee8021BridgeEvbbECPTxRetryCount  OBJECT-TYPE
SYNTAX      Counter64
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the TxRetryCount for ECP."
REFERENCE   "12.24.3.1.3 k)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 12 }

ieee8021BridgeEvbbECPTxFailures    OBJECT-TYPE
SYNTAX      Counter64
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the TxFailures for ECP."
REFERENCE   "12.24.3.1.3 l)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 13 }

ieee8021BridgeEvbbECPRxFrameCount  OBJECT-TYPE
SYNTAX      Counter64
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the RxFrameCount for ECP."
REFERENCE   "12.24.3.1.3 m)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 14 }

ieee8021BridgeEvbbVDPSupport       OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
"This specifies the VDP support availability for this portIndex."
REFERENCE   "12.24.3.1.3 n)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 15 }

ieee8021BridgeEvbbVDPAdminStatus    OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
"This specifies the VDP administrative status."
REFERENCE   "12.24.3.1.3 o)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 16 }

ieee8021BridgeEvbbVDPOperStatus     OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-only
```

```

STATUS      current
DESCRIPTION
"This specifies the VDP operational status."
REFERENCE   "12.24.3.1.3 p)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 17 }

```

```

ieee8021BridgeEvbbVDPOperRsrcTimeout  OBJECT-TYPE
SYNTAX      Integer32
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
"This object specifies the operational resource timeout value for VDP."
REFERENCE   "12.24.3.1.3 q)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 18 }

```

```

ieee8021BridgeEvbbVDPKeepAliveTimeout  OBJECT-TYPE
SYNTAX      Integer32
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
"This object specifies the keep alive timeout for VDP."
REFERENCE   "12.24.3.1.3 r)"
 ::= { ieee8021BridgeEvbbSEPConfigEntry 19 }

```

```
--
```

```
-- VSI Database
```

```
--
```

```
ieee8021BridgeEvbbVSIDBObjects OBJECT IDENTIFIER ::= { ieee8021BridgeEvbbObjects 3 }
```

```

ieee8021BridgeEvbbVSIDBTable OBJECT-TYPE
SYNTAX      SEQUENCE OF Ieee8021BridgeEvbbVSIDBEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    "A table that contains database of the active Virtual Station Interfaces."
REFERENCE   "12.24.4"
 ::= { ieee8021BridgeEvbbVSIDBObjects 1}

```

```

ieee8021BridgeEvbbVSIDBEntry OBJECT-TYPE
SYNTAX      Ieee8021BridgeEvbbVSIDBEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    "A list of objects containing database of the active Virtual Station Interfaces."

INDEX { ieee8021BridgeEvbbSEPComponentId,
        ieee8021BridgeEvbbSEPPort,
        ieee8021BridgeEvbbVSIID
      }
 ::= { ieee8021BridgeEvbbVSIDBTable 1 }

```

```
Ieee8021BridgeEvbbVSIDBEntry ::=
```

```

SEQUENCE {
ieee8021BridgeEvbbVSIID                OCTET STRING,

ieee8021BridgeEvbbVSITimeSinceCreate   TimeInterval,
ieee8021BridgeEvbbVSIIVDPTLV          INTEGER,

ieee8021BridgeEvbbVSIReason            BITS,
ieee8021BridgeEvbbVSICompletionCode    BITS,
ieee8021BridgeEvbbVSIgrID              OCTET STRING,
ieee8021BridgeEvbbVSIType              OCTET STRING,
ieee8021BridgeEvbbVSITypeVersion       OCTET STRING,

ieee8021BridgeEvbbVSIFormat            INTEGER,
ieee8021BridgeEvbbVSINumMACs           Integer32,
ieee8021BridgeEvbbVDPMachineState      INTEGER,

ieee8021BridgeEvbbVDPCommandsSucceeded Counter32,
ieee8021BridgeEvbbVDPCommandsFailed    Counter32,
ieee8021BridgeEvbbVDPCommandReverts    Counter32

}

ieee8021BridgeEvbbVSIID OBJECT-TYPE
SYNTAX          OCTET STRING (SIZE (16))
MAX-ACCESS      not-accessible
STATUS          current
DESCRIPTION
  "This object specifies the b) VSIID that uniquely identifies the VSI in the DCN "
REFERENCE       "12.24.4.1.3 b"
 ::= { ieee8021BridgeEvbbVSIIDEntry 1 }

ieee8021BridgeEvbbVSITimeSinceCreate OBJECT-TYPE
SYNTAX          TimeInterval
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
  "This object specifies the time since creation "
REFERENCE       "12.24.4.1.3 c)"
 ::= { ieee8021BridgeEvbbVSIIDEntry 2 }

ieee8021BridgeEvbbVSIIVDPTLV OBJECT-TYPE
SYNTAX          INTEGER
                {
                  preAssociate (1),
                  preAssociateWithRsrcReservation (2),
                  associate (3),
                  deAssociate (4)
                }
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
  "This object identifies the type of TLV."
REFERENCE       "12.24.4.1.3 d)"

```

```
::= { ieee8021BridgeEvbbVSIIDBEntry 3 }
```

```
ieee8021BridgeEvbbVSIReason OBJECT-TYPE
SYNTAX          BITS
                {
                    success (0),
                    invalidFormat (1),
                    insufficientResources (2),
                    otherfailure(3)
                }
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "This object indicates the outcome of a request."
REFERENCE      "12.24.4.1.3 e)"
::= { ieee8021BridgeEvbbVSIIDBEntry 4 }
```

```
ieee8021BridgeEvbbVSICompletionCode OBJECT-TYPE
SYNTAX          BITS
                {
                    noError(0),
                    reverting (1),
                    notReverting (2),
                    recoverableError (3),
                    notRecoverableError (4)
                }
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "This object indicates the completion code."
REFERENCE      "12.24.4.1.3 e)"
::= { ieee8021BridgeEvbbVSIIDBEntry 5 }
```

```
ieee8021BridgeEvbbVSIMgrID OBJECT-TYPE
SYNTAX          OCTET STRING (SIZE (1))
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "This object identifies the VSI Manager with a database that holds the detailed
VSI type and or instance definitions."
REFERENCE      "12.24.4.1.3 f)"
::= { ieee8021BridgeEvbbVSIIDBEntry 6 }
```

```
ieee8021BridgeEvbbVSIType OBJECT-TYPE
SYNTAX          OCTET STRING (SIZE(3))
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     " The VTID is an integer value used to identify a pre-configured set of
controls and attributes that are associated with a set of VSIs."
REFERENCE      " 12.24.4.1.3 g"
```

```
::= { ieee8021BridgeEvbbVSIDBEntry 7 }
```

```
ieee8021BridgeEvbbVSITypeVersion OBJECT-TYPE
```

```
SYNTAX OCTET STRING (SIZE (1))
```

```
MAX-ACCESS read-only
```

```
STATUS current
```

```
DESCRIPTION
```

"The VSI Type Version is an integer identifier designating the expected/desired VTID version. The VTID version allows a VSI Manager Database to contain multiple versions of a given VSI Type, allowing smooth migration to newer VSI types."

```
REFERENCE "12.24.4.1.3 h)"
```

```
::= { ieee8021BridgeEvbbVSIDBEntry 8 }
```

```
ieee8021BridgeEvbbVSIFormat OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```
{
    basic (0),
    partial (1),
    vlanOnly (2)
}
```

```
MAX-ACCESS read-only
```

```
STATUS current
```

```
DESCRIPTION
```

"This object specifies the MAC/VLAN format.

basic - Basic MAC/VLAN format

partial - Partial MAC/VLAN format

vlanOnly - Vlan-only MAC/VLAN format

"

```
REFERENCE "12.24.4.1.3 i)"
```

```
::= { ieee8021BridgeEvbbVSIDBEntry 9 }
```

```
ieee8021BridgeEvbbVSI NumMACs OBJECT-TYPE
```

```
SYNTAX Integer32
```

```
MAX-ACCESS read-only
```

```
STATUS current
```

```
DESCRIPTION
```

"This object specifies the the number of MAC address/VLAN ID pairs contained in the repeated protion of the MAC/VLANs field in the VDP TLV."

```
REFERENCE "12.24.4.1.3 j)"
```

```
::= { ieee8021BridgeEvbbVSIDBEntry 10 }
```

```
ieee8021BridgeEvbbVDPMachineState OBJECT-TYPE
```

```
SYNTAX INTEGER
```

```
{
    preAssociate (1),
    preAssociateWithRsrcReservation (2),
    associate (3),
    deAssociate (4)
}
```

```
MAX-ACCESS read-only
```

```

STATUS      current
DESCRIPTION
"This object specifies the VDP state machine. "
REFERENCE   "12.24.4.1.3 l)"
 ::= { ieee8021BridgeEvbbVSIDBEntry 11 }

```

```

ieee8021BridgeEvbbVDPCommandsSucceeded  OBJECT-TYPE
SYNTAX      Counter32
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the VDP number of successful commands since creation."
REFERENCE   "12.24.4.1.3 m)"
 ::= { ieee8021BridgeEvbbVSIDBEntry 12 }

```

```

ieee8021BridgeEvbbVDPCommandsFailed  OBJECT-TYPE
SYNTAX      Counter32
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the VDP number of failed commands since creation "
REFERENCE   "12.24.4.1.3 n)"
 ::= { ieee8021BridgeEvbbVSIDBEntry 13 }

```

```

ieee8021BridgeEvbbVDPCommandReverts  OBJECT-TYPE
SYNTAX      Counter32
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object specifies the VDP command reverts since creation "
REFERENCE   "12.24.4.1.3 o)"
 ::= { ieee8021BridgeEvbbVSIDBEntry 14 }

```

-- List of MAC/VLANs

```

ieee8021BridgeEvbbVSIDBMacTable OBJECT-TYPE
SYNTAX      SEQUENCE OF Ieee8021BridgeEvbbVSIDBMacEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    "A table that contains database of the active Virtual Station Interfaces."
REFERENCE   "12.24.4"
 ::= { ieee8021BridgeEvbbVSIDBObjects 2 }

```

```

ieee8021BridgeEvbbVSIDBMacEntry OBJECT-TYPE
SYNTAX      Ieee8021BridgeEvbbVSIDBMacEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    "A list of objects containing database of the MAC/VLANs associated with
    Virtual Station Interfaces."

```

```

INDEX { ieee8021BridgeEvbbSEPCComponentId,
        ieee8021BridgeEvbbSEPPort,
        ieee8021BridgeEvbbVSIID,
        ieee8021BridgeEvbbVSIMac,
        ieee8021BridgeEvbbVSIVlanId
      }
 ::= { ieee8021BridgeEvbbVSIDBMacTable 1 }

```

```

Ieee8021BridgeEvbbVSIDBMacEntry ::=
  SEQUENCE {
    ieee8021BridgeEvbbVSIMac      MacAddress,
    ieee8021BridgeEvbbVSIVlanId  VlanIndex
  }

```

```

ieee8021BridgeEvbbVSIMac OBJECT-TYPE
SYNTAX      MacAddress
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
  "The mac-address part of the MAC/VLANs for a VSI."
REFERENCE   "12.24.4.1.3 k"

```

```
 ::= { ieee8021BridgeEvbbVSIDBMacEntry 1 }

```

```

ieee8021BridgeEvbbVSIVlanId OBJECT-TYPE
  SYNTAX      VlanIndex
  MAX-ACCESS  read-only
  STATUS      current
  DESCRIPTION
    "The Vlan ID part of the MAC/VLANs for a VSI."

```

```
 ::= { ieee8021BridgeEvbbVSIDBMacEntry 2 }

```

```
-- Read VSIID records
```

```

ieee8021BridgeEvbbVSIIDTable OBJECT-TYPE
  SYNTAX      SEQUENCE OF Ieee8021BridgeEvbbVSIIDEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    "A table contains the VSIID records."
  REFERENCE   "12.24.4.1"
  ::= { ieee8021BridgeEvbbVSIDBObjects 3 }

```

```

ieee8021BridgeEvbbVSIIDEntry OBJECT-TYPE
  SYNTAX      Ieee8021BridgeEvbbVSIIDEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    "A list of objects containing the VSIID records."

```

```

INDEX { ieee8021BridgeEvbbVSIID,
        ieee8021BridgeEvbbSEPCOMPONENTID,
        ieee8021BridgeEvbbSEPVSIPORT
      }
 ::= { ieee8021BridgeEvbbVSIIDTable 1 }

```

```

ieee8021BridgeEvbbVSIIDEntry ::=
  SEQUENCE {
    ieee8021BridgeEvbbSEPVSIPORT          IEEE8021BridgePortNumber
  }

```

```

ieee8021BridgeEvbbSEPVSIPORT OBJECT-TYPE
SYNTAX      IEEE8021BridgePortNumber
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"The port number of the port for which this entry
contains EVBB management information."

REFERENCE "12.24.4.1.3 b"

 ::= { ieee8021BridgeEvbbVSIIDEntry 1 }

```

```
-- 12.24.5 Uplink Access Port Configuration
```

```
ieee8021BridgeEvbbCDCPObjects OBJECT IDENTIFIER ::= { ieee8021BridgeEvbbObjects 4 }
```

```

ieee8021BridgeEvbbCDCPAdminCDCPEnable OBJECT-TYPE
SYNTAX      INTEGER
{
  enable(1),
  disable (2)
}
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION "CDCP enable/disable configuration object."
REFERENCE "12.24.5.1 a"

DEFVAL { 2 }
 ::= { ieee8021BridgeEvbbCDCPObjects 1 }

```

```

ieee8021BridgeEvbbCDCPAdminCDCPRole OBJECT-TYPE
SYNTAX      INTEGER
{
  cdcpRoleB(1),
  cdcpRoleS (2)
}
MAX-ACCESS  read-write

```

```

STATUS          current
DESCRIPTION     "CDCP administrative role for this device."
REFERENCE      "12.24.5.1 b"

```

```
DEFVAL { 1 }
```

```
::= { ieee8021BridgeEvbbCDCPObjects 2 }
```

```
ieee8021BridgeEvbbCDCPAdminCDCPChanCap OBJECT-TYPE
```

```
SYNTAX          Integer32 (1 .. 167)
```

```
MAX-ACCESS     read-write
```

```
STATUS         current
```

```
DESCRIPTION    "The administratively configured value for the Number of Channels supported parameter.
```

```
This value is included as the ChnCap parameter in the S-channel TLV."
```

```
REFERENCE      "12.24.5.1 c"
```

```
::= { ieee8021BridgeEvbbCDCPObjects 3 }
```

```
ieee8021BridgeEvbbCDCPAdminCDCPSVIDPoolLow OBJECT-TYPE
```

```
SYNTAX          VlanIndex
```

```
MAX-ACCESS     read-write
```

```
STATUS         current
```

```
DESCRIPTION    "Determines the lowest S-VIDs available for assignment by CDCP."
```

```
REFERENCE      "12.24.5.1 d"
```

```
::= { ieee8021BridgeEvbbCDCPObjects 4 }
```

```
ieee8021BridgeEvbbCDCPAdminCDCPSVIDPoolHigh OBJECT-TYPE
```

```
SYNTAX          VlanIndex
```

```
MAX-ACCESS     read-write
```

```
STATUS         current
```

```
DESCRIPTION    "Determines the highest S-VIDs available for assignment by CDCP."
```

```
REFERENCE      "12.24.5.1 d "
```

```
::= { ieee8021BridgeEvbbCDCPObjects 5 }
```

```
-- UAP configuration
```

```
ieee8021BridgeEvbbUAPConfigTable OBJECT-TYPE
```

```
SYNTAX          SEQUENCE OF Ieee8021BridgeEvbbUAPConfigEntry
```

```
MAX-ACCESS     not-accessible
```

```
STATUS         current
```

```
DESCRIPTION
```

```
"A table that contains configuration parameters for UAP."
```

```
REFERENCE      "12.24.3"
```

```
::= { ieee8021BridgeEvbbCDCPObjects 6 }
```

```
ieee8021BridgeEvbbUAPConfigEntry OBJECT-TYPE
```

```
SYNTAX          Ieee8021BridgeEvbbUAPConfigEntry
```

```
MAX-ACCESS     not-accessible
```

```
STATUS         current
```

```
DESCRIPTION
```

"A list of objects containing information to configure the attributes for UAP."

```
INDEX { ieee8021BridgeEvbbUAPComponentId,
        ieee8021BridgeEvbbUAPPort
      }
 ::= { ieee8021BridgeEvbbUAPConfigTable 1 }
```

```
Ieee8021BridgeEvbbUAPConfigEntry ::=
SEQUENCE {
  ieee8021BridgeEvbbUAPComponentId      IEEE8021PbbComponentIdentifier,
  ieee8021BridgeEvbbUAPPort              IEEE8021BridgePortNumber,

  ieee8021BridgeEvbbUAPAdminCDCPEnable   INTEGER, -- enable, disable
  ieee8021BridgeEvbbUAPAdminCDCPRole     INTEGER, -- B or S
  ieee8021BridgeEvbbUAPAdminCDCPChanCap  Integer32, -- (1 - 167)
  ieee8021BridgeEvbbUAPAdminCDCPSVIDPoolLow  VlanIndex,
  ieee8021BridgeEvbbUAPAdminCDCPSVIDPoolHigh VlanIndex
}
}
```

```
ieee8021BridgeEvbbUAPComponentId OBJECT-TYPE
SYNTAX      IEEE8021PbbComponentIdentifier
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
  "The ComponentID of the port for the UAP."
 ::= { ieee8021BridgeEvbbUAPConfigEntry 1 }
```

```
ieee8021BridgeEvbbUAPPort OBJECT-TYPE
SYNTAX      IEEE8021BridgePortNumber
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
  "The port number of the port for the UAP."
 ::= { ieee8021BridgeEvbbUAPConfigEntry 2 }
```

```
ieee8021BridgeEvbbUAPAdminCDCPEnable OBJECT-TYPE
SYNTAX      INTEGER
{
  enable (1),
  disable (2)
}
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION  "Administrative staus of CDCP."
DEFVAL     { 2 }

 ::= { ieee8021BridgeEvbbUAPConfigEntry 3 }
```

```

ieee8021BridgeEvbbUAPAdminCDCPRole OBJECT-TYPE
    SYNTAX      INTEGER
    {
        cdcpRoleB(1),
        cdcpRoleS (2)
    }
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION "The administratively configured value for the local
port's role parameter. The value of AdminRole is not reflected in
the S-channel TLV. The AdminRole may take the value S or B. S indicates
the sender is unwilling to accept S-channels configuration
(mode, # channels supported, channel index) from its neighbor and
that the sender is willing to accept SVID assignments from the neighbor.
Stations usually take the S role.B indicates the sender is willing to accept
S-channels configuration (mode, # channels supported, channel index)
from its neighbor and that the sender is willing do the best it can to fill
the SVID assignments from the neighbor. Bridges usually take the B role."
    DEFVAL     { 1 }

 ::= { ieee8021BridgeEvbbUAPConfigEntry 4 }

ieee8021BridgeEvbbUAPAdminCDCPChanCap OBJECT-TYPE
    SYNTAX      Integer32 (1 .. 167)
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION "The administratively configured value for the Number of
Channels supported parameter. This value is included as
the ChnCap parameter in the S-channel TLV."

 ::= { ieee8021BridgeEvbbUAPConfigEntry 5 }

ieee8021BridgeEvbbUAPAdminCDCPSVIDPoolLow OBJECT-TYPE
    SYNTAX      VlanIndex
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION "Determines the lowest S-VIDs available for assignment by CDCP."

 ::= { ieee8021BridgeEvbbUAPConfigEntry 6 }

ieee8021BridgeEvbbUAPAdminCDCPSVIDPoolHigh OBJECT-TYPE
    SYNTAX      VlanIndex
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION "Determines the highest S-VIDs available for assignment by CDCP."

 ::= { ieee8021BridgeEvbbUAPConfigEntry 7 }

-- S-Channel Interface Table

ieee8021BridgeEvbbCAPConfigTable OBJECT-TYPE

```

```

SYNTAX      SEQUENCE OF Ieee8021BridgeEvbbCAPConfigEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
"A table that contains configuration information for
the S-Channel Access Ports (CAP)."
```

```
REFERENCE   "12.24.5"
```

```
::= { ieee8021BridgeEvbbCDCPObjects 7 }
```

```
ieee8021BridgeEvbbCAPConfigEntry OBJECT-TYPE
```

```
SYNTAX      Ieee8021BridgeEvbbCAPConfigEntry
```

```
MAX-ACCESS  not-accessible
```

```
STATUS      current
```

```
DESCRIPTION
```

```
"A list of objects containing information for the S-Channel Access Ports (CAP)"
```

```
INDEX { ieee8021BridgeEvbbCAPComponentId,
        ieee8021BridgeEvbbCAPPort
      }
```

```
::= { ieee8021BridgeEvbbCAPConfigTable 1 }
```

```
Ieee8021BridgeEvbbCAPConfigEntry ::=
```

```
SEQUENCE {
```

```
  ieee8021BridgeEvbbCAPComponentId      IEEE8021PbbComponentIdentifier,
```

```
  ieee8021BridgeEvbbCAPPort             IEEE8021BridgePortNumber,
```

```
  ieee8021BridgeEvbbCAPSChannelID       Integer32,
```

```
  ieee8021BridgeEvbbCAPSchState         INTEGER , -- running, notRunning
```

```
  ieee8021BridgeEvbbCAPAssociateIfType  INTEGER, -- SEP , none (discard)
```

```
  ieee8021BridgeEvbbCAPAssociateSEPCmpID IEEE8021PbbComponentIdentifier,
```

```
  ieee8021BridgeEvbbCAPAssociateSEPPort IEEE8021BridgePortNumber
```

```
}
```

```
ieee8021BridgeEvbbCAPComponentId OBJECT-TYPE
```

```
SYNTAX      IEEE8021PbbComponentIdentifier
```

```
MAX-ACCESS  not-accessible
```

```
STATUS      current
```

```
DESCRIPTION "Component ID for S-channel Access Port."
```

```
::= { ieee8021BridgeEvbbCAPConfigEntry 1 }
```

```
ieee8021BridgeEvbbCAPPort OBJECT-TYPE
```

```
SYNTAX      IEEE8021BridgePortNumber
```

```
MAX-ACCESS  not-accessible
```

```
STATUS      current
```

```
DESCRIPTION "Port number for the S-Channel Access Port."
```

```
::= { ieee8021BridgeEvbbCAPConfigEntry 2 }
```

```
ieee8021BridgeEvbbCAPSChannelID OBJECT-TYPE
    SYNTAX      Integer32
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION "S-Channel ID (SCID) for this CAP."

 ::= { ieee8021BridgeEvbbCAPConfigEntry 3 }

ieee8021BridgeEvbbCAPSchState OBJECT-TYPE
    SYNTAX      INTEGER
    {
        notRunning (1),
        running (2)
    }
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION "The current running state of CDCP."

 ::= { ieee8021BridgeEvbbCAPConfigEntry 4 }

ieee8021BridgeEvbbCAPAssociateIfType OBJECT-TYPE
    SYNTAX      INTEGER
    {
        none (1),
        sep (2)
    }
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION "The associated interface type for this CAP.
    none - dicard
    sep - the associated port is of type SEP."

 ::= { ieee8021BridgeEvbbCAPConfigEntry 5 }

ieee8021BridgeEvbbCAPAssociateSEPCompID OBJECT-TYPE
    SYNTAX      IEEE8021PbbComponentIdentifier
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION "Component ID of the Server Edge Port to be
    associated with the CAP."

 ::= { ieee8021BridgeEvbbCAPConfigEntry 6 }

ieee8021BridgeEvbbCAPAssociateSEPPort OBJECT-TYPE
    SYNTAX      IEEE8021BridgePortNumber
    MAX-ACCESS  read-write
    STATUS      current
```

DESCRIPTION "Port number of the Server Edge Port to be associated with the CAP."

```
::= { ieee8021BridgeEvbbCAPConfigEntry 7 }
```

```
-- =====
-- Conformance Information
-- =====
```

```
ieee8021BridgeEvbbGroups
```

```
OBJECT IDENTIFIER ::= { ieee8021BridgeEvbbConformance 1 }
```

```
ieee8021BridgeEvbbCompliances
```

```
OBJECT IDENTIFIER ::= { ieee8021BridgeEvbbConformance 2 }
```

```
-- =====
-- Units of conformance
-- =====
```

```
ieee8021BridgeEvbbConfigGroup OBJECT-GROUP
```

```
OBJECTS {
    ieee8021BridgeEvbbECPACKTimer,
    ieee8021BridgeEvbbECPMaxRetires,
    ieee8021BridgeEvbbVDPResourceTimeout,
    ieee8021BridgeEvbbVDPPProposedKeepAliveTimeout
```

```
}
```

```
STATUS current
```

```
DESCRIPTION
```

```
"The collection of objects used to represent a EVBB management objects."
```

```
::= { ieee8021BridgeEvbbGroups 1 }
```

```
ieee8021BridgeEvbbSEPConfigGroup OBJECT-GROUP
```

```
OBJECTS {
    ieee8021BridgeEvbbTLVSupport,
    ieee8021BridgeEvbbRRAdminStatus,
    ieee8021BridgeEvbbRROperStatus,
    ieee8021BridgeEvbbECPAdminStatus,
    ieee8021BridgeEvbbECPOperStatus,
    ieee8021BridgeEvbbECPConfigAckTimer,
    ieee8021BridgeEvbbECPOperAckTimer,
    ieee8021BridgeEvbbECPOperMaxRetries,
    ieee8021BridgeEvbbECPTxFrameCount,
    ieee8021BridgeEvbbECPTxRetryCount,
    ieee8021BridgeEvbbECPTxFailures,
    ieee8021BridgeEvbbECPRxFrameCount,

    ieee8021BridgeEvbbVDPsupport,
    ieee8021BridgeEvbbVDPAdminStatus,
    ieee8021BridgeEvbbVDPOperStatus,
    ieee8021BridgeEvbbVDPOperRsrcTimeout,
```

```
ieee8021BridgeEvbbVDPKeepAliveTimeout
```

```

}
STATUS      current
DESCRIPTION
    "The collection of objects used to represent a EVBB SEP management objects."
 ::= { ieee8021BridgeEvbbGroups 2 }

```

```
ieee8021BridgeEvbbVSIIDGroup OBJECT-GROUP
```

```

OBJECTS {
    ieee8021BridgeEvbbVSITimeSinceCreate,
    ieee8021BridgeEvbbVSIVDPTLV,

    ieee8021BridgeEvbbVSIReason,
    ieee8021BridgeEvbbVSICompletionCode    ,
    ieee8021BridgeEvbbVSI McGrID,
    ieee8021BridgeEvbbVSIType,
    ieee8021BridgeEvbbVSITypeVersion,

    ieee8021BridgeEvbbVSIFormat,
    ieee8021BridgeEvbbVSI NumMACs,
    ieee8021BridgeEvbbVDPMachineState,

    ieee8021BridgeEvbbVDPCommandsSucceeded,
    ieee8021BridgeEvbbVDPCommandsFailed,
    ieee8021BridgeEvbbVDPCommandReverts

}
STATUS      current
DESCRIPTION
    "The collection of objects used to represent a EVBB VSIID management objects."
 ::= { ieee8021BridgeEvbbGroups 3 }

```

```
ieee8021BridgeEvbbVSIIDBGroup OBJECT-GROUP
```

```

OBJECTS {
    ieee8021BridgeEvbbVSI VlanId,
    ieee8021BridgeEvbbSEPVSIPort

}
STATUS      current
DESCRIPTION
    "The collection of objects used to represent a EVBB VSI DB management objects."
 ::= { ieee8021BridgeEvbbGroups 4 }

```

```
ieee8021BridgeEvbbCDCPGroup OBJECT-GROUP
```

```

OBJECTS {
    ieee8021BridgeEvbbCDCPAdminCDCPEnable,
    ieee8021BridgeEvbbCDCPAdminCDCPRole,
    ieee8021BridgeEvbbCDCPAdminCDCPChanCap,
    ieee8021BridgeEvbbCDCPAdminCDCPSVIDPoolLow,
    ieee8021BridgeEvbbCDCPAdminCDCPSVIDPoolHigh

}
STATUS      current

```

## DESCRIPTION

"The collection of objects used to represent a EVBB CDCP management objects."

```
::= { ieee8021BridgeEvbbGroups 5 }
```

```
ieee8021BridgeEvbbUAPConfigGroup OBJECT-GROUP
```

## OBJECTS {

```
    ieee8021BridgeEvbbUAPAdminCDCPEnable,
    ieee8021BridgeEvbbUAPAdminCDCPRole,
    ieee8021BridgeEvbbUAPAdminCDCPChanCap,
    ieee8021BridgeEvbbUAPAdminCDCPSVIDPoolLow,
    ieee8021BridgeEvbbUAPAdminCDCPSVIDPoolHigh
```

```
}
```

```
STATUS current
```

## DESCRIPTION

"The collection of objects used to represent a EVBB UAP management objects."

```
::= { ieee8021BridgeEvbbGroups 6 }
```

```
ieee8021BridgeEvbbCAPConfigGroup OBJECT-GROUP
```

## OBJECTS {

```
    ieee8021BridgeEvbbCAPSChannelID,
    ieee8021BridgeEvbbCAPSchState,

    ieee8021BridgeEvbbCAPAssociateIfType,
    ieee8021BridgeEvbbCAPAssociateSEPCompID,
    ieee8021BridgeEvbbCAPAssociateSEPPort
```

```
}
```

```
STATUS current
```

## DESCRIPTION

"The collection of objects used to represent a EVBB CAP management objects."

```
::= { ieee8021BridgeEvbbGroups 7 }
```

```
-- =====
-- compliance statements
-- =====
```

```
ieee8021BridgeEvbbCompliance MODULE-COMPLIANCE
```

```
STATUS current
```

## DESCRIPTION

"The compliance statement for devices supporting EVBB as defined in IEEE 802.1Qbg."

## MODULE

## MANDATORY-GROUPS {

```
    ieee8021BridgeEvbbConfigGroup,
    ieee8021BridgeEvbbSEPConfigGroup,
    ieee8021BridgeEvbbVSIIDGroup,
    ieee8021BridgeEvbbVSIIDGroup,
    ieee8021BridgeEvbbCDCPGroup,
    ieee8021BridgeEvbbUAPConfigGroup,
    ieee8021BridgeEvbbCAPConfigGroup
```

```
}
```

```
::= { ieee8021BridgeEvbbCompliances 1 }
```

END