Society of Cable Telecommunications Engineers

ENGINEERING COMMITTEE
HFC Management Subcommittee

AMERICAN NATIONAL STANDARD

ANSI/SCTE 37 2010

Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-ROOTS Management Information Base (MIB) Definition

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Contents

1. Scope

This document provides the branch object identifiers for each of the MIBs within the SCTE HMS Tree. This document has been revised; see the Description in the syntax.

2. Copyright

3. Normative Reference

IETF RFC 2578 SNMPv2-SMI
IETF RFC 1155
SCTE 36

4. Informative Reference

None

5. Terms and Definitions

This document defines the following terms:

Management Information Base (MIB) - the specification of information in a manner that allows standard access through a network management protocol.

6. Requirements

This section defines the mandatory syntax of the SCTE-HMS-ROOTS MIB. It follows the IETF Simple Network Management Protocol (SNMP) for defining the managed objects.

The syntax is given below.

```
SCTE-HMS-ROOTS DEFINITIONS ::= BEGIN

IMPORTS
   MODULE-IDENTITY
      FROM SNMPv2-SMI
   scteRoot, scteHmsTree
        FROM SCTE-ROOT;

hmsScteRootMIB MODULE-IDENTITY
   LAST-UPDATED "201002011455Z"  -- Feb 1, 2010
   ORGANIZATION "SCTE HMS Working Group"
   CONTACT-INFO
         "SCTE HMS Subcommittee, Chairman
          mailto: standards@SCTE.org"

          DESCRIPTION
            "This MIB module is defining objects under the SCTE HMS tree."

          REVISION "201002011455Z"  -- Feb 1, 2010
          DESCRIPTION
          "1. Fixed spelling of the word (auxiliary).
           2. Detailed Description of Module Identity Change:
          The Module Identity for [::= { scteHmsTree 0 }] is already being
          used in SCTE 84-1 [heCommonTrapPrefix ::= {scteHmsTree 0}].  This is
          the OID that defines HMS Traps, and cannot be changed without causing
          existing programs that handle traps to change. In order to avoid the
          duplicate definition this module identity becomes scteRoot (2). There
          will be no change for existing applications that have implemeted this
          mib. "

          REVISION "200904210000Z"  -- April 21, 2009
          DESCRIPTION
          "Changed Module Identity definition."

          REVISION "200803040000Z"  -- March 04, 2008
          DESCRIPTION
          "Updated the revision information of the file"

          REVISION "200802040000Z"  -- Feb 04, 2008
```

```
        DESCRIPTION
        "Modified with comments from Meeting 1-11-08
        1. Removed import of enterprises and OBJECT-TYPE which was never used.
        2. Added word Over, in Voice Over IP description.
        3. Standard Module Identity was added since released version."

        REVISION "200708150000Z"  -- Aug 15, 2007
        DESCRIPTION
         "Added Multi Media to the list "

        REVISION "200705261730Z" -- May 26, 2007
        DESCRIPTION
        "Added voipIdent to the list."

   ::=  {  scteRoot 2 }

propertyIdent OBJECT IDENTIFIER ::= { scteHmsTree 1}

--     DESCRIPTION
--     "Defines the base OID of the property MIB"
--     "SCTE-HMS-PROPERTY-MIB is defined by SCTE 38-1 (formerly HMS026)"

alarmsIdent   OBJECT IDENTIFIER ::= { scteHmsTree 2}

--     DESCRIPTION
--     "Defines the base OID of the Alarms MIB"
--     "SCTE-HMS-ALARMS-MIB is defined by SCTE 38-2 (formerly HMS023)"

commonIdent   OBJECT IDENTIFIER ::= { scteHmsTree 3}

--     DESCRIPTION
--     "Defines the base OID of the Common MIB"
--     "SCTE-HMS-COMMON-MIB is defined by SCTE 38-3  (formerly HMS024)"

psIdent       OBJECT IDENTIFIER ::= { scteHmsTree 4}

--     DESCRIPTION
--     "Defines the base OID of the Power Supply MIB"
--     "SCTE-HMS-PS-MIB is defined by SCTE 38-4 (formerly HMS027)"
```

```
fnIdent       OBJECT IDENTIFIER ::= { scteHmsTree 5}

--     DESCRIPTION
--     "Defines the base OID of the Fiber Node MIB"
--     "SCTE-HMS-FIBERNODE-MIB is defined by SCTE 38-5 (formerly HMS025)"

genIdent      OBJECT IDENTIFIER ::= { scteHmsTree 6}

--     DESCRIPTION
--     "Defines the base OID of the Generator MIB"
--     "SCTE-HMS-GEN-MIB is defined by SCTE 38-6 (formerly HMS033)"

transponderInterfaceBusIdent  OBJECT IDENTIFIER ::= { scteHmsTree 7}

--     DESCRIPTION
--     "Defines the base OID of the Transponder Interface Bus MIB"
--     "SCTE-HMS-TIB-MIB is defined by SCTE 38-7 (formerly HMS050)"

downloadIdent    OBJECT IDENTIFIER ::= { scteHmsTree 8}

--     DESCRIPTION
--     "Defines the base OID of the Download MIB"
--     "SCTE-HMS-DOWNLOAD-MIB is defined by SCTE 38-8 (formerly HMS063)"

oaIdent OBJECT IDENTIFIER ::= { scteHmsTree 9}

--     DESCRIPTION
--     "Defines the base OID of the Optical Amplifier MIB for outside plant equipment"
--     "SCTE-HMS-OPTICALAMP-MIB is defined by SCTE 38-9 (formerly HMS082 )"

rfAmplifierIdent OBJECT IDENTIFIER ::= { scteHmsTree 10}

--     DESCRIPTION
--     "Defines the base OID of the RF Amplifier MIB"
--     "SCTE-HMS-RFAMP-MIB is defined by SCTE 38-10 (formerly HMS115 )"

insidePlantIdent OBJECT IDENTIFIER ::= { scteHmsTree 11}

--     DESCRIPTION
--     "Defines the base OID for all inside plant equipment"
```

```
--      "including, but not limited to, indoor optics, HMTS,"
--      "chassis auxiliary equipment, etc."
--      "SCTE-HMS-HEADENDIDENT-MIB is defined by SCTE 38-11 (formerly HMS114)"

voipIdent OBJECT IDENTIFIER ::= { scteHmsTree 12}

--      DESCRIPTION
--      "Defines the base OID for all Voice Over IP mibs"

multiMediaIdent OBJECT IDENTIFIER ::= { scteHmsTree 13}

--      DESCRIPTION
--      "Defines the base OID for all Multi Media Mibs"
```