Network Operations Subcommittee

AMERICAN NATIONAL STANDARD

ANSI/SCTE 37 2017

Hybrid Fiber/Coax Outside Plant Status Monitoring
SCTE-HMS-ROOTS
Management Information Base (MIB) Definition
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1. Scope
   This document is identical to SCTE 37 2010 except for informative components which may have been updated such as the title page, NOTICE text, headers and footers. No normative changes have been made to this document.

   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
   The MIB definition found in this document may be incorporated directly in products without further permission from the copyright owner, SCTE.

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.
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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 implemented 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.
3. Standard Module Identity was added since released version."

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

REVISION "200705261700Z"  -- 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-HEADDENDIDENT-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"