

SCTE | **STANDARDS**

Network Operations Subcommittee

AMERICAN NATIONAL STANDARD

ANSI/SCTE 37 2017 (R2021)

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

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Document Types and Tags

Document Type: Specification

Document Tags:

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| <input type="checkbox"/> Test or Measurement | <input type="checkbox"/> Checklist | <input type="checkbox"/> Facility |
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Document Release History

Release	Date
SCTE 37 2002	9/3/2002
SCTE 37 2008	5/19/2008
SCTE 37 2010	4/5/2010
SCTE 37 2017	12/4/2017

Note: This document is a reaffirmation of SCTE 37 2017. No substantive changes have been made to this document. Information components may have been updated such as the title page, NOTICE text, headers, and footers.

Contents

DOCUMENT TYPES AND TAGS	3
DOCUMENT RELEASE HISTORY	3
1. SCOPE	5
2. COPYRIGHT	5
3. NORMATIVE REFERENCE	5
4. INFORMATIVE REFERENCE	5
5. TERMS AND DEFINITIONS	5
6. REQUIREMENTS	5

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.

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.
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"