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S T A N D A R D S

Network Operations Subcommittee

AMERICAN NATIONAL STANDARD

ANSI/SCTE 83-1 2017

**HMS Inside Plant Management Information Base (MIB)
Part 1: SCTE-HMS-HE-OPTICS-MIB**

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140 Philips Road
Exton, PA 19341

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SCOPE

This document is identical to SCTE 83-1 2012 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.

The MIB module provides the branch object identifiers for the headend optics MIBs within the SCTE HMS Headend subtree.

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NORMATIVE REFERENCES

The following documents contain provisions, which, through reference in this text, constitute provisions of this standard. At the time of subcommittee approval, the editions indicated were valid. All standards are subject to revision, and parties to agreement based on this standard are encouraged to investigate the possibility of applying the most recent editions of the documents listed below.

IETF RFC2578, Structure of Management Information Version 2 (SMIV2)

SCTE 38-11 2008 (formerly HMS 114), Hybrid Management Sub-layer Management Information Base (MIB) Part 11: SCTE-HMS-HEADENDIDENT-MIB

INFORMATIVE REFERENCES

The following documents may provide valuable information to the reader but are not required when complying with this standard.

None

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.

REQUIREMENTS

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

The syntax is given below:

```
-- Module Name: HMS108R13.MIB (SCTE 83-1)
-- SCTE Status: Adopted

SCTE-HMS-HE-OPTICS-MIB DEFINITIONS ::= BEGIN

IMPORTS
    OBJECT-IDENTITY, MODULE-IDENTITY
        FROM SNMPv2-SMI
    heOptics
        FROM SCTE-HMS-HEADENDIDENT-MIB;

heOpticsMib MODULE-IDENTITY
    LAST-UPDATED "200603030000Z" -- March 3, 2006
    ORGANIZATION "SCTE HMS Working Group"
    CONTACT-INFO
        " SCTE HMS Subcommittee, Chairman
        mailto:standards@scte.org
        "
    DESCRIPTION
        "The MIB module provides the branch object identifiers for the
        headend optics MIBs within the SCTE HMS Headend subtree."

    REVISION "200603030000Z" -- March 3, 2006
        DESCRIPTION
            "Corrected Last-Updated date, date format and and revision order"

    REVISION "200601100000Z" -- January 10, 2006
        DESCRIPTION
            "Corrected Revision in Header and typo that prevented the MIB from Compiling"

    REVISION "200511090000Z" -- November 09, 2005
        DESCRIPTION
            "Added heOpticalTransportGroup as a branch identifier."

::= { heOptics 0 }

-- Registration subtree for headend optical equipment
```

```
heOpticalTransmitterGroup OBJECT-IDENTITY
  STATUS current
  DESCRIPTION
    "Defines the base OID for the inside plant
    optical transmitters (see SCTE 85-1; formerly HMS112)."
```

```
 ::= { heOptics 1 }
```

```
heOpticalReceiverGroup OBJECT-IDENTITY
  STATUS current
  DESCRIPTION
    "Defines the base OID for the inside plant
    optical receivers (see SCTE 85-2; formerly HMS113)."
```

```
 ::= { heOptics 2 }
```

```
heOpticalAmplifierGroup OBJECT-IDENTITY
  STATUS current
  DESCRIPTION
    "Defines the base OID for the inside plant
    optical amplifiers (see SCTE 85-3; formerly HMS118)."
```

```
 ::= { heOptics 3 }
```

```
heOpticalSwitchGroup OBJECT-IDENTITY
  STATUS current
  DESCRIPTION
    "Defines the base OID for the inside plant
    optical switches (see SCTE 85-4; formerly HMS119)."
```

```
 ::= { heOptics 4 }
```

```
heOpticalTransportGroup OBJECT-IDENTITY
  STATUS current
  DESCRIPTION
    "Defines the base OID for the inside plant
    optical transport equipment such as a 10GbE Aggregator."
```

```
 ::= { heOptics 5 }
```

END