



***Society of Cable  
Telecommunications  
Engineers***

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**ENGINEERING COMMITTEE  
Hybrid Management Sub-Layer Subcommittee**

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AMERICAN NATIONAL STANDARD

ANSI/SCTE 83-1 2006

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

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## CONTENTS

<b>SCOPE .....</b>	<b>2</b>
<b>COPYRIGHT.....</b>	<b>2</b>
<b>NORMATIVE REFERENCE.....</b>	<b>2</b>
<b>INFORMATIVE REFERENCE .....</b>	<b>2</b>
<b>TERMS AND DEFINITIONS.....</b>	<b>2</b>
<b>REQUIREMENTS.....</b>	<b>2</b>

## **SCOPE**

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

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## **NORMATIVE REFERENCE**

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

SCTE 38-11 2004 (formerly HMS 114), Hybrid Management Sub-layer Management Information Base (MIB) Part 11: SCTE-HMS-HEADENDIDENT-MIB

## **INFORMATIVE REFERENCE**

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