



***Society of Cable  
Telecommunications  
Engineers***

---

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

---

**AMERICAN NATIONAL STANDARD**

**ANSI/SCTE 154-2 2008**

**SCTE-HMS-QAM-MIB**

## NOTICE

The Society of Cable Telecommunications Engineers (SCTE) Standards are intended to serve the public interest by providing specifications, test methods and procedures that promote uniformity of product, interchangeability and ultimately the long term reliability of broadband communications facilities. These documents shall not in any way preclude any member or non-member of SCTE from manufacturing or selling products not conforming to such documents, nor shall the existence of such standards preclude their voluntary use by those other than SCTE members, whether used domestically or internationally.

SCTE assumes no obligations or liability whatsoever to any party who may adopt the Standards. Such adopting party assumes all risks associated with adoption of these Standards, and accepts full responsibility for any damage and/or claims arising from the adoption of such Standards.

Attention is called to the possibility that implementation of this standard may require the use of subject matter covered by patent rights. By publication of this standard, no position is taken with respect to the existence or validity of any patent rights in connection therewith. SCTE shall not be responsible for identifying patents for which a license may be required or for conducting inquiries into the legal validity or scope of those patents that are brought to its attention.

Patent holders who believe that they hold patents which are essential to the implementation of this standard have been requested to provide information about those patents and any related licensing terms and conditions. Any such declarations made before or after publication of this document are available on the SCTE web site at <http://www.scte.org>.

All Rights Reserved

© Society of Cable Telecommunications Engineers, Inc. 2008  
140 Philips Road  
Exton, PA 19341

## CONTENTS

<b>SCOPE.....</b>	<b>1</b>
<b>COPYRIGHT.....</b>	<b>1</b>
<b>NORMATIVE REFERENCE .....</b>	<b>1</b>
<b>INFORMATIVE REFERENCE.....</b>	<b>1</b>
<b>TERMS AND DEFINITIONS .....</b>	<b>1</b>
<b>REQUIREMENTS .....</b>	<b>1</b>

## **SCOPE**

This document provides the definition for MIB objects within the SCTE-HMS-QAM-MIB Tree.

## **COPYRIGHT**

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

## **NORMATIVE REFERENCE**

IETF RFC 2578 SNMPv2-SMI

IETF RFC 2579 SNMPv2-TC

IETF RFC 2580 SNMPv2-CONF

IETF RFC 2863 IF-MIB

IETF RFC 3411 SNMP-FRAMEWORK-MIB

IETF RFC 3418 SNMPV2-MIB

IETF RFC 4001 INET-ADDRESS-MIB

IETF RFC 4133 ENTITY-MIB

IANAiftype-MIB

SCTE 36 2002R2007 (formerly HMS028) SCTE-ROOT

SCTE 37 2007 (formerly HMS072) SCTE-HMS-ROOTS

HMS154-5R3 SCTE-HMS-HEADENDIDENT-TC-MIB

ITU-T J.83 Annex B

## **INFORMATIVE REFERENCE**

DOC-IF-M-CMTS-MIB

DOCS-IF-MIB

## **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-QAM-MIB. It follows the IETF Simple Network Management Protocol (SNMP) for defining managed objects. This mib falls under the SCTE-HMS-ROOTS mib defined by the SCTE Standards HMS Subcommittee.

To avoid issues related to device security and possible user contention, this MIB is only read-only. Device manufacturers are expected to provide device provisioning and control as a separate “out of band” service via protocols of their choice.

The syntax is given below.