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S T A N D A R D S

Network Operations Subcommittee

SCTE STANDARD

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SCTE-HMS-HEADENDIDENT TEXTUAL CONVENTIONS MIB

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SCOPE

This document is identical to SCTE 154-5 2009 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 DIGITAL VIDEO MIB's (DVM) in the heDigital branch of the SCTE mibs. The SCTE HMS HEADENDIDENT-TC mib provides standard common mib text syntax for all HMS devices.

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NORMATIVE REFERENCE

IETF RFC 2578 SNMPv2-SMI

IETF RFC 2579 SNMPv2-TC

IETF RFC 2580 SNMPv2-CONF

INFORMATIVE REFERENCE

None

TERMS AND DEFINITIONS

TEXTUAL CONVENTIONS - Textual Conventions are a guide to standard structures used in SCTE HMS mib files. Text formats and uniform definitions are found in this file.

Management Information Base (MIB) – the specification of information in a manner that allows standard access through a network management protocol, specifically SNMP.

Network Timing Protocol(NTP) – NTP is a protocol designed to synchronize the clocks of computers over a network. NTP version 3 is an internet draft standard, formalized in [RFC 1305](#). NTP version 4 is a significant revision of the NTP standard, and is the current development version, but has not been formalized in an RFC. Simple NTP (SNTP) version 4 is described in [RFC 2030](#).

Packet Identifier (PID) – - Packet identifier; a unique 13-bit value used to identify the type of data stored in the packet payload (see ITU-T H.222.0 / ISO/IEC 13818-1).

Quadrature Amplitude Modulation (QAM) – The modulation scheme which conveys data by changing (*modulating*) the amplitude of two [carrier waves](#). These two waves are [out of phase](#) with each other by 90 degrees and are thus called [quadrature](#) carriers.

REQUIREMENTS

This section defines the mandatory syntax of the *SCTE-HMS-HEADENDIDENT-TC-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.