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

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1. SCOPE

This document provides the branch object identifiers for each of the MIBs within the SCTE HMS Tree.

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 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.

- 3.1 IETF RFC 1155, Structure and identification of management information for TCP/IP-based internets
- 3.2 ANSI/SCTE 36 2002, SCTE-ROOT Management Information Base (MIB) Definitions
- 3.3 ANSI/SCTE 37 2003, SCTE-HMS-ROOTS Management Information Base (MIB) Definition

4. INFORMATIVE REFERENCES

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

- 4.1 ANSI/SCTE 25-3 2005, Hybrid Fiber Coax Outside Plant Status Monitoring – Power Supply to Transponder Interface Bus (PSTIB) Specification v1.1
- 4.2 ANSI/SCTE 38-4 2006, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS - PS-MIB Management Information Base (MIB) Definition

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-GEN-MIB MIB. It follows the IETF Simple Network Management Protocol (SNMP) for defining managed objects.

The syntax is given below:

```
-- *****
-- *
-- * Module Name:  HMS033R11 (SCTE 38-6-2005)
-- *
-- * Description:  Implements SCTE-HMS-GEN-MIB for Outside Plant Generators
-- *
-- * 13-Apr-2005   Altered genVBatIgnition and genEnclosureTemperature to
-- *               require an entry in the property table, instead of entries
-- *               in the discrete property table.  Description of
-- *               these objects in R8 was a typographical error.
-- *
-- * 07-Nov-2005   Altered genProtocolVersion per ballot comments
-- *               - 'power supply' changed to 'generator'
-- *               - value of 0x04 changed to 11 to reflect current document
-- *               revision
-- *               - Object description now mirrors psProtocolVersion MIB object
-- *               in SCTE-HMS-PS-MIB.
-- *
-- * 15-Oct-2006   Altered many descriptions to make them less dependant on
-- *               descriptions from HMS022.
-- *
-- *****
```

SCTE-HMS-GEN-MIB DEFINITIONS ::= BEGIN

IMPORTS

```
OBJECT-TYPE
    FROM RFC-1212
genIdent
    FROM SCTE-HMS-ROOTS
;
```

```
-- /*****
-- * The Generator Group *
-- *****/
```

```
genNumberOfGenerators OBJECT-TYPE
    SYNTAX INTEGER ( 1..8 )
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION
        "Number of generators connected to this NE."
    ::= { genIdent 1 }
```

```
genDeviceTable OBJECT-TYPE
    SYNTAX SEQUENCE OF GenDeviceEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION
        "Table containing information about the individual
        generators being monitored"
    ::= { genIdent 2 }
```