Society of Cable Telecommunication Engineers

ENGINEERING COMMITTEE
HFC Management Subcommittee

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HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE-RF-MIB

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CONTENTS

SCOPE

This document provides MIB definitions for HMS RF equipments present in the headend (or indoor) and is supported by a SNMP agent.

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NORMATIVE REFERENCE

IETF RFC 1907 SNMPv2-MIB
IETF RFC 2578 SNMPv2-SMI
IETF RFC 2579 SNMPv2-TC
IETF RFC 2580 SNMPv2-CONF
IETF RFC 2737 ENTITY-MIB
SCTE 36 SCTE-ROOT
SCTE 37 SCTE-HMS-ROOTS
SCTE 38-11 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-RF-MIB. It follows the IETF Simple Network Management Protocol (SNMP) for defining managed objects.

The syntax is given below.

```
SCTE-HMS-HE-RF-MIB DEFINITIONS ::= BEGIN

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

heRFMib MODULE-IDENTITY
   LAST-UPDATED "200310090000Z" -- Oct 9, 2003
   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 RF MIBs within the SCTE HMS Headend subtree."

   ::= { heRF 0 }

-- Registration subtree for headend RF equipment

heRFAmplifierGroup   OBJECT-IDENTITY
   STATUS  current
   DESCRIPTION
         "Defines the base OID for the inside plant
         rf amplifiers (see HMS131; SCTE 94-1)."
   ::= { heRF 1 }

heRFSwitchGroup      OBJECT-IDENTITY
   STATUS  current
   DESCRIPTION
         "Defines the base OID for the inside plant
         rf switches (see HMS132; SCTE 94-2)."
   ::= { heRF 2 }

END
```