



Cisco DOCSIS, HMS and Related MIBs for Transponder Installed on GSN, Release Note

Overview

Introduction

The Cisco DOCSIS, HMS and related MIBs provide user configurable monitoring and control capabilities for Cisco DOCSIS transponder and HMS transponder installed on the Cisco GainStar Node (GMN).

Purpose

The purpose of this document is to notify Cisco DOCSIS, HMS and related MIB users of the MIB documents and their related information included in the current release, and to inform users of any special upgrade procedures needed for using this release.

Audience

This document is intended for system engineers or managers responsible for operating and/or maintaining this product.

Release History

This is the first release of the Cisco DOCSIS, HMS and related MIB.

Related Software and Product Documentation

Visit our website

<http://www.cisco.com/cisco/software/navigator.html?mdfid=281510329&i=rm>

to find all software packages mentioned in this release note.

Visit our website

http://www.cisco.com/en/US/products/ps9066/prod_literature.html

to find and view all publications about the transponder.

You need a user name and password to access this website. If you do not have a user name and password, contact your customer service representative.

Note: You may need to install a PDF reader, such as Adobe Acrobat Reader, on your system to view these publications.

In This Document

■ Release Scope.....	3
■ Release Details.....	4
■ For Information.....	6

Release Scope

The release consists of the MIB package including the MIB documents and the release note. The following table shows the compatibility of the MIB documents.

Table 1. Release Scope

MIB Name	Device Supported	Note
DOCSIS,HMS and related MIBs for GSN DOCSIS transponder	GainStar Node (GMN)	Applicable for all splits

Release Details

All references in this release are listed in the following table. Refer to the filename for the reference MIB document, and the description for details about the reference.

Organization	Reference	Filename	Description
SCTE	HMS028 - SCTE-ROOT	HMS028R6.mib	The MIB provides the root object identifier for the Society of Telecommunications Engineers (SCTE) as an enterprise, as assigned by the Internet Assigned Numbers Authority (IANA).
SCTE	HMS072 - SCTE-HMS-ROOTS	HMS072R8.mib	The MIB provides the branch object identifiers for each of the MIBs within the SCTE HMS Tree.
SCTE	HMS063 - SCTE-HMS-DOWNLOAD-MIB	HMS063R6.mib	The MIB is used to maintain one or more loadable firmware images on an HMS transponder. The MIB also has support for downloading to sub-components managed by an HMS transponder.
SCTE	HMS025 - SCTE-HMS-FIBERNODE-MIB	HMS025R13.mib	The MIB Implements SCTE-HMS-FIBERNODE-MIB for Fiber Nodes. This MIB intended for use on all fiber node equipment. The MIB is applicable for all fiber nodes including the US strand mount or field plant fiber nodes, and some pedestal models. Note: The MIB may not apply to the pedestal racks used in the European Cable networks
SCTE	HMS024 - SCTE-HMS-COMMON-MIB	HMS024R13.mib	The MIB contains common information about NES. The MIB items cover administrative information such as name, ID, model number, serial numbers vendor, and location; health indicators such as status and service state; and functional information such as power level and frequency range.
SCTE	HMS023 - SCTE-HMS-ALARMS-MIB	HMS023R13.mib	The MIB provides a list of historical alarms detected by the transponder, as well as the SNMP traps generated for these alarms.
SCTE	HMS026 - SCTE-HMS-PROPERTY-MIB	HMS026R16.mib	The MIB contains information that must be supported by all HMS network elements, including but not limited to, transponders.
Cablelabs		docs-bpi2.mib	The MIB is used for the DOCSIS Baseline Privacy Plus Interface (BPI+) at cable modems (CMs) and cable modem termination systems (CMTSs).
Cablelabs		docs-cable-device.mib	The MIB is used for DOCSIS-compliant cable modems and cable-modem termination systems (CMTS).

Release Scope

Organization	Reference	Filename	Description
Cablelabs		docsDevTrap.mib	The MIB is an extension of the CABLE DEVICE MIB defined in RFC2669. It defines various trap objects for both cable modem and cable modem termination systems.
Cablelabs		docs-if.mib	The MIB is used for DOCSIS 2.0-compliant Radio Frequency (RF) interfaces in Cable Modems and Cable Modem Termination Systems.
Cisco proprietary MIB		7022439_DOCSIS_TRANSPONDER_MANAGEMENT.mib	The MIB implements management for DOCSIS transponder.

For Information

Support Telephone Numbers

This table lists the Technical Support and Customer Service numbers for your area.

Region	Centers	Telephone and Fax Numbers
North America	Cisco Services Atlanta, Georgia United States	For <i>Technical Support</i> , call: Toll-free: 1-800-722-2009 Local: 678-277-1120 (Press 2 at the prompt) For <i>Customer Service</i> , call: Toll-free: 1-800-722-2009 Local: 678-277-1120 (Press 3 at the prompt) Fax: 770-236-5477 E-mail: customer-service@cisco.com
Europe, Middle East, Africa	Belgium	For <i>Technical Support</i> , call: Telephone: 32-56-445-197 or 32-56-445-155 Fax: 32-56-445-061 For <i>Customer Service</i> , call: Telephone: 32-56-445-444 Fax: 32-56-445-051 E-mail: service-elc@cisco.com
Japan	Japan	Telephone: 81-3-5908-2153 or +81-3-5908-2154 Fax: 81-3-5908-2155
Korea	Korea	Telephone: 82-2-3429-8800 Fax: 82-2-3452-9748 E-mail: songk@cisco.com
China (mainland)	China	Telephone: 86-400-8108886 (Press 4 at the prompt) E-mail: gca-lsc-sa@cisco.com
All other Asia-Pacific countries & Australia	Hong Kong	Telephone: 852-2588-4746 Fax: 852-2588-3139 E-mail: support.apr@sciatl.com
Brazil	Brazil	Telephone: 11-55-08-9999 Fax: 11-55-08-9998 E-mail: fattinl@cisco.com or ecavalhe@cisco.com

For Information

Region	Centers	Telephone and Fax Numbers
Mexico, Central America, Caribbean	Mexico	For <i>Technical Support</i> , call: Telephone: 52-3515152599 Fax: 52-3515152599 For <i>Customer Service</i> , call: Telephone: 52-55-50-81-8425 Fax: 52-55-52-61-0893
All other Latin America countries	Argentina	For <i>Technical Support</i> , call: Telephone: 54-23-20-403340 ext 109 Fax: 54-23-20-403340 ext 103 For <i>Customer Service</i> , call: Telephone: 770-236-5662 Fax: 770-236-5888 E-mail: keillov@cisco.com



Cisco Systems, Inc.
5030 Sugarloaf Parkway, Box 465447
Lawrenceville, GA 30042

678 277-1120
800 722-2009
www.cisco.com

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. A listing of Cisco's trademarks can be found at **www.cisco.com/go/trademarks**.

Third party trademarks mentioned are the property of their respective owners.

The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1009R)

Product and service availability are subject to change without notice.

© 2013 Cisco and/or its affiliates.

All rights reserved.

January 2013

Part Number 95-7033933-01 Rev A