

CableHome CTP MIB Specification

CH-SP-MIB-CTP-C01-060728

Closed

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Document Status Sheet

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Key to Document Status Codes:

Work in Progress	An incomplete document, designed to guide discussion and generate feedback, that may include several alternative requirements for consideration.
Draft	A document in specification format considered largely complete, but lacking review by Members and vendors. Drafts are susceptible to substantial change during the review process.
Issued	A stable document, which has undergone rigorous member and vendor review and is suitable for product design and development, cross-vendor interoperability, and for certification testing.
Closed	A static document, reviewed, tested, validated, and closed to further engineering change requests to the specification through CableLabs.

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1 SCOPE

This specification describes CableHome Test Portal (CTP) MIB requirement.

2 REFERENCES

2.1 Normative References

In order to claim compliance with this specification, it is necessary to conform to the following standards and other works as indicated, in addition to the other requirements of this specification. Notwithstanding, intellectual property rights may be required to use or implement such normative references.

- [1] CableHome 1.0 Specification, CH-SP-CH1.0-C01-060728, July 28, 2006.
- [2] CableHome 1.1 Specification, CH-SP-CH1.1-C01-060728, July 28, 2006.
- [3] CableLabs® Definition MIB Specification, CL-SP-MIB-CLABDEF-I05-050408, April 8, 2005.

2.2 Reference Acquisition

CableLabs Specifications:

- Cable Television Laboratories, Inc., <http://www.cablelabs.com/>

3 ACRONYMS

This specification uses the following acronyms:

CTP	CableHome Test Portal
ICMP	Internet Control Message Protocol
TCP	Transmission Control Protocol

4 REQUIREMENTS

The CableHome™ CTP MIB MUST be implemented as defined below:

```

CABH-CTP-MIB DEFINITIONS ::= BEGIN
IMPORTS
    MODULE-IDENTITY,
    OBJECT-TYPE          FROM SNMPv2-SMI
    TimeStamp,
    TruthValue          FROM SNMPv2-TC
    OBJECT-GROUP,
    MODULE-COMPLIANCE  FROM SNMPv2-CONF
    InetAddressType,
    InetAddress        FROM INET-ADDRESS-MIB
    clabProjCableHome  FROM CLAB-DEF-MIB;

cabhCtpMib MODULE-IDENTITY
    LAST-UPDATED "200607280000Z" --July 28, 2006
    ORGANIZATION "CableLabs Broadband Access Department"
    CONTACT-INFO
        CableHome MIBs
        Postal: Cable Television Laboratories, Inc.
        858 Coal Creek Circle
        Louisville, Colorado 80027
        U.S.A.
        Phone:  +1 303-661-9100
        Fax:    +1 303-661-9199
        E-mail: "mibs@cablelabs.com"
    DESCRIPTION
        "This MIB module defines control and monitoring objects
        for remote diagnostic tools for a CableHome LAN
        supported by the CableHome Test Portal (CTP) as
        defined and described in CableLabs' CableHome
        specifications."
    REVISION "200607280000Z"
    DESCRIPTION
        "This revision updates the CONTACT-INFO in the
        MODULE-IDENTITY."
    ::= { clabProjCableHome 5 }

-- Textual conventions

cabhCtpObjects OBJECT IDENTIFIER ::= { cabhCtpMib 1 }
cabhCtpBase OBJECT IDENTIFIER ::= { cabhCtpObjects 1 }
cabhCtpConnSpeed OBJECT IDENTIFIER ::= { cabhCtpObjects 2 }
cabhCtpPing OBJECT IDENTIFIER ::= { cabhCtpObjects 3 }

--
-- The following group describes the base objects in the CableHome
-- Management Portal.
--

cabhCtpSetToFactory OBJECT-TYPE
    SYNTAX TruthValue
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Setting this object to true(1) causes all the tables
        in the CTP MIB to be cleared, and all CTP MIB objects

```

```

        with default values set back to those default values.
        Reading this object always returns false(2)."
 ::= { cabhCtpBase 1 }

cabhCtpLastSetToFactory OBJECT-TYPE
    SYNTAX      TimeStamp
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "The value of sysUpTime when cabhCtpSetToFactory
        was last set to true. Zero if never reset."
 ::= { cabhCtpBase 2 }

--
--      Parameter and results from Connection Speed Command
--

cabhCtpConnSrcIpType OBJECT-TYPE
    SYNTAX      InetAddressType
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The IP Address type used as the source address for the
        Connection Speed Test.
        The PS MUST NOT allow the value of cabhCtpConnSrcIpType
        to be changed if cabhCtpConnStatus = running(2). The PS
        MUST return inconsistentValue error to a manager that
        attempts to set the value of cabhCtpConnSrcIpType when the
        value of cabhCtpConnStatus is running(2)."
```

DEFVAL { ipv4 }

```
 ::= { cabhCtpConnSpeed 1 }
```

cabhCtpConnSrcIp OBJECT-TYPE

```

    SYNTAX      InetAddress
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The IP Address used as the source address for the
        Connection Speed Test. The default value is the value
        of cabhCdpServerRouter (192.168.0.1). The type of
        this address is specified by cabhCtpConnSrcIpType.
        The PS MUST NOT allow the value of cabhCtpConnSrcIp
        to be changed if cabhCtpConnStatus = running(2). The PS
        MUST return inconsistentValue error to a manager that
        attempts to set the value of cabhCtpConnSrcIp when the
        value of cabhCtpConnStatus is running(2)."
```

REFERENCE

```

    "CableHome Specification, Management Tools - PS
    Logical Element CableHome Test Portal (CTP) section."
```

DEFVAL { 'c0a80001'h } -- 192.168.0.1

```
 ::= { cabhCtpConnSpeed 2 }
```

cabhCtpConnDestIpType OBJECT-TYPE

```

    SYNTAX      InetAddressType
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The IP Address Type for the CTP Connection Speed Tool
        destination address.
        The PS MUST NOT allow the value of cabhCtpConnDestIpType
        to be changed if cabhCtpConnStatus = running(2). The PS
        MUST return inconsistentValue error to a manager that
        attempts to set the value of cabhCtpConnDestIpType when the
```

```

        value of cabhCtpConnStatus is running(2)."
DEFVAL { ipv4 }
 ::= { cabhCtpConnSpeed 3 }

cabhCtpConnDestIp OBJECT-TYPE
SYNTAX      InetAddress
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
    "The IP Address used as the destination address for the
    Connection Speed Test. The type of this address is
    specified by cabhCtpConnDestIpType. The PS MUST NOT allow
    the value of cabhCtpConnDestIp to be changed if
    cabhCtpConnStatus = running(2). The PS MUST return
    inconsistentValue error to a manager that attempts
    to set the value of cabhCtpConnDestIp when the value of
    cabhCtpConnStatus is running(2)."
 ::= { cabhCtpConnSpeed 4 }

cabhCtpConnProto OBJECT-TYPE
SYNTAX      INTEGER {
                udp(1),
                tcp(2)
            }
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
    "The protocol used in the Connection Speed Test. TCP
    testing is optional.
    The PS MUST NOT allow the value of cabhCtpConnProto
    to be changed if cabhCtpConnStatus = running(2). The PS
    MUST return inconsistentValue error to a manager that
    attempts to set the value of cabhCtpConnProto when the
    value of cabhCtpConnStatus is running(2)."
DEFVAL { udp }
 ::= { cabhCtpConnSpeed 5 }

cabhCtpConnNumPkts OBJECT-TYPE
SYNTAX      INTEGER (1..65535)
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
    "The number of OSI Layer 3 (IP) packets the CTP is to
    send when triggered to execute the Connection Speed Tool.
    The PS MUST NOT allow the value of cabhCtpConnNumPkts
    to be changed if cabhCtpConnStatus = running(2). The PS
    MUST return inconsistentValue error to a manager that
    attempts to set the value of cabhCtpConnNumPkts when the
    value of cabhCtpConnStatus is running(2)."
DEFVAL { 100 }
 ::= { cabhCtpConnSpeed 6 }

cabhCtpConnPktSize OBJECT-TYPE
SYNTAX      INTEGER (64..1518)
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
    "The size of each OSI Layer 2 frame to be
    sent by the PS CableHome Test Portal
    function when configured to execute the
    Connection Speed remote diagnostic tool.
    The PS MUST NOT allow the value of cabhCtpConnPktSize
    to be changed if cabhCtpConnStatus = running(2).

```

The PS MUST return inconsistentValue error to a manager that attempts to set the value of cabhCtpConnPktSize when the value of cabhCtpConnStatus is running(2)."

REFERENCE

"CableHome Specification, Management Tools - PS Logical Element CableHome Test Portal (CTP) section."

DEFVAL { 1518 }

::= { cabhCtpConnSpeed 7 }

cabhCtpConnTimeOut OBJECT-TYPE

SYNTAX INTEGER (0..60000) -- Max 10 minutes

UNITS "milliseconds"

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The timeout value for the response. A value of zero indicates no time out and can be used for TCP only. The PS MUST NOT allow the value of cabhCtpConnTimeOut to be changed if cabhCtpConnStatus = running(2). The PS MUST return inconsistentValue error to a manager that attempts to set the value of cabhCtpConnTimeOut when the value of cabhCtpConnStatus is running(2)."

DEFVAL {30000} -- 30 seconds

::= { cabhCtpConnSpeed 8 }

cabhCtpConnControl OBJECT-TYPE

SYNTAX INTEGER {
start(1),
abort(2)
}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The control for the Connection Speed Tool. Setting this object to start(1) causes the Connection Speed Tool to execute. Setting this object to abort(2) causes the Connection Speed Tool to stop running. This parameter should only be set via SNMP."

DEFVAL {abort }

::={ cabhCtpConnSpeed 9 }

cabhCtpConnStatus OBJECT-TYPE

SYNTAX INTEGER {
notRun(1),
running(2),
complete(3),
aborted(4),
timedOut(5)
}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object returns the status of the Connection Speed Tool. The value notRun(1) indicates that the Connection Speed Tool has not been run since the Portal Services element of the CableHome residential gateway was initialized or reset.

The value running(2) indicates that the Connection Speed Tool was initiated by a manager (cabhCtpConnControl = start(1)) and the test has not timed out and the PS has not yet completed sending

all the packets it was configured to send or it has not received all responses.

The value complete(3) indicates that the Connection Speed Tool was initiated by a manager, successfully sent all the packets it was configured to send, received all responses, and is no longer sending packets or waiting for responses.

The value aborted(4) indicates that the Connection Speed Tool was initiated by a manager then was terminated by the manager by setting cabhCtpConnControl = abort(2). The Connection Speed Tool is no longer sending packets or waiting for responses.

The value timedOut(5) indicates that the Connection Speed Tool was initiated by a manager and had not received all responses from the client but the amount of time allowed for the Connection Speed Tool to execute, defined by the value of cabhCtpConnTimeOut, has transpired. The Connection Speed Tool is no longer sending packets or waiting for responses."

```
DEFVAL { notRun }
 ::= { cabhCtpConnSpeed 10 }
```

```
cabhCtpConnPktsSent OBJECT-TYPE
    SYNTAX      INTEGER (0..65535)
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "The number of packets the CTP sent after it was
        triggered to execute the Connection Speed Tool."
    ::= { cabhCtpConnSpeed 11 }
```

```
cabhCtpConnPktsRecv OBJECT-TYPE
    SYNTAX      INTEGER (0..65535)
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "The number of packets the CTP received after it
        executed the Connection Speed Tool."
    ::= { cabhCtpConnSpeed 12 }
```

```
cabhCtpConnRTT OBJECT-TYPE
    SYNTAX      INTEGER (0..600000)
    UNITS       "millisec"
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "The resulting round trip time for the set of
        packets sent to and received from the target
        LAN IP Device."
    ::= { cabhCtpConnSpeed 13 }
```

```
cabhCtpConnThroughput OBJECT-TYPE
    SYNTAX      INTEGER (0..65535)
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "The average round-trip throughput measured in
        kilobits per second."
    ::= { cabhCtpConnSpeed 14 }
```

--

```
-- Parameters and Results for Ping Command
--

cabhCtpPingSrcIpType OBJECT-TYPE
    SYNTAX      InetAddressType
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The IP Address Type for CTP Ping Tool source address.
        The PS MUST NOT allow the value of cabhCtpPingSrcIpType
        to be changed if cabhCtpPingStatus = running(2). The PS
        MUST return inconsistentValue error to a manager that
        attempts to set the value of cabhCtpPingSrcIpType when the
        value of cabhCtpPingStatus is running(2)."
```

```
    DEFVAL { ipv4 }
    ::= { cabhCtpPing 1 }
```

```
cabhCtpPingSrcIp OBJECT-TYPE
    SYNTAX      InetAddress
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The IP Address used as the source address for the Ping
        Test. The default value is the value of
        CabhCdpServerRouter (192.168.0.1). The type of this
        address is specified by cabhCtpPingSrcIpType.
        The PS MUST NOT allow the value of cabhCtpPingSrcIp
        to be changed if cabhCtpPingTimeOut = running(2). The PS
        MUST return inconsistentValue error to a manager that
        attempts to set the value of cabhCtpPingSrcIp when the
        value of cabhCtpPingTimeOut is running(2)."
```

```
    REFERENCE
        "CableHome Specification, Management Tools - PS
        Logical Element CableHome Test Portal (CTP) section."
    DEFVAL { 'c0a80001'h } --192.168.0.1
    ::= { cabhCtpPing 2 }
```

```
cabhCtpPingDestIpType OBJECT-TYPE
    SYNTAX      InetAddressType
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The IP Address Type for the CTP Ping Tool destination
        address.
        The PS MUST NOT allow the value of cabhCtpPingDestIpType
        to be changed if cabhCtpPingStatus = running(2). The PS
        MUST return inconsistentValue error to a manager that
        attempts to set the value of cabhCtpPingDestIpType when the
        value of cabhCtpPingStatus is running(2)."
```

```
    DEFVAL { ipv4 }
    ::= { cabhCtpPing 3 }
```

```
cabhCtpPingDestIp OBJECT-TYPE
    SYNTAX      InetAddress
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The Destination IP Address used as the destination
        address for the Ping Test. The type of this address
        is specified by cabhCtpPingDestIpType. The PS MUST NOT
        allow the value of cabhCtpPingDestIp to be changed if
        cabhCtpPingStatus = running(2). The PS MUST return
        inconsistentValue error to a manager that attempts
```

```
        to set the value of cabhCtpPingDestIp when the value of
        cabhCtpPingStatus is running(2).
 ::= { cabhCtpPing 4 }

cabhCtpPingNumPkts OBJECT-TYPE
    SYNTAX      INTEGER (1..4)
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The number of ICMP Echo Request messages to send to
        the destination defined by cabhCtpPingDestIp. The PS
        MUST NOT allow the value of cabhCtpPingNumPkts to be
        changed if cabhCtpPingStatus = running(2). The PS MUST
        return inconsistentValue error to a manager that attempts
        to set the value of cabhCtpPingNumPkts when the value of
        cabhCtpPingStatus is running(2)."
```

```
    DEFVAL { 1 }
 ::= { cabhCtpPing 5 }

cabhCtpPingPktSize OBJECT-TYPE
    SYNTAX      INTEGER (64..1518)
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The size of the ICMP Echo Request packets to send to
        the destination defined by cabhCtpPingDestIp. The PS
        MUST NOT allow the value of cabhCtpPingPktSize to be
        changed if cabhCtpPingStatus = running(2). The PS MUST
        return inconsistentValue error to a manager that attempts
        to set the value of cabhCtpPingPktSize when the value of
        cabhCtpPingStatus is running(2)."
```

```
    DEFVAL { 64 }
 ::= { cabhCtpPing 6 }

cabhCtpPingTimeBetween OBJECT-TYPE
    SYNTAX      INTEGER (0..600000)
    UNITS      "milliseconds"
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The time between sending one ping and the next.
        The PS MUST NOT allow the value of cabhCtpPingTimeBetween
        to be changed if the value of cabhCtpPingStatus is
        running(2). The PS MUST return inconsistentValue error
        to a manager that attempts to set the value of
        cabhCtpPingTimeBetween when the value of
        cabhCtpPingStatus is running(2)."
```

```
    DEFVAL { 1000 }
 ::= { cabhCtpPing 7 }

cabhCtpPingTimeOut OBJECT-TYPE
    SYNTAX      INTEGER (1..600000)
    UNITS      "milliseconds"
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        "The time out for ping response (ICMP reply) for a
        single transmitted ping message (ICMP request).
        The PS MUST NOT allow the value of cabhCtpPingTimeOut
        to be changed if cabhCtpPingStatus = running(2). The PS
        MUST return inconsistentValue error to a manager that
        attempts to set the value of cabhCtpPingTimeOut when the
        value of cabhCtpPingStatus is running(2)."
```

```
DEFVAL { 1000 } -- 1 second
 ::= { cabhCtpPing 8 }
```

cabhCtpPingControl OBJECT-TYPE

```
SYNTAX      INTEGER {
                start(1),
                abort(2)
            }
```

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The control for the Ping Tool. Setting this object to start(1) causes the Ping Tool to execute. Setting this object to abort(2) causes the Ping Tool to stop running. This parameter should only be set via SNMP."

```
DEFVAL { abort }
```

```
 ::= { cabhCtpPing 9 }
```

cabhCtpPingStatus OBJECT-TYPE

```
SYNTAX      INTEGER {
                notRun(1),
                running(2),
                complete(3),
                aborted(4),
                timedOut(5)
            }
```

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object returns the status of the Ping Tool.

The value notRun(1) indicates that the Ping Tool has not been run since the Portal Services element of the CableHome residential gateway was initialized or reset.

The value running(2) indicates that the Ping Tool was initiated by a manager (cabhCtpPingControl = start(1)) and the test has not timed out and the PS has not yet completed sending all the packets it was configured to send or it has not received all responses.

The value complete(3) indicates that the Ping Tool was initiated by a manager, successfully sent all the packets it was configured to send, received all responses, and is no longer sending packets or waiting for responses.

The value aborted(4) indicates that the Ping Tool was initiated by a manager then was terminated by the manager by setting cabhCtpPingControl = abort(2). The Ping Tool is no longer sending packets or waiting for responses.

The value timedOut(5) indicates that the Ping Tool was initiated by a manager and had not received all responses from the client but the amount of time allowed for the Ping Tool to execute, defined by the value of cabhCtpPingTimeout, has transpired. The Ping Tool is no longer sending packets or waiting for responses."

```
DEFVAL { notRun }
```

```
 ::= { cabhCtpPing 10 }
```

cabhCtpPingNumSent OBJECT-TYPE

```
SYNTAX      INTEGER (0..4)
```

MAX-ACCESS read-only

```

STATUS      current
DESCRIPTION
    "The number of Pings sent."
 ::= { cabhCtpPing 11 }

cabhCtpPingNumRecv OBJECT-TYPE
SYNTAX      INTEGER (0..255)
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
    "The number of pings received."
 ::= { cabhCtpPing 12 }

cabhCtpPingAvgRTT OBJECT-TYPE
SYNTAX      INTEGER (0..600000)
UNITS       "millisec"
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
    "The resulting average of round trip times for
    acknowledged packets."
 ::= { cabhCtpPing 13 }

cabhCtpPingMaxRTT OBJECT-TYPE
SYNTAX      INTEGER (0..600000)
UNITS       "millisec"
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
    "The resulting maximum of round trip times for
    acknowledged packets."
 ::= { cabhCtpPing 14 }

cabhCtpPingMinRTT OBJECT-TYPE
SYNTAX      INTEGER (0..600000)
UNITS       "millisec"
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
    "The resulting minimum of round trip times for
    acknowledged packets."
 ::= { cabhCtpPing 15 }

cabhCtpPingNumIcmpError OBJECT-TYPE
SYNTAX      INTEGER (0..255)
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
    "Number of ICMP errors."
 ::= { cabhCtpPing 16 }

cabhCtpPingIcmpError OBJECT-TYPE
SYNTAX      INTEGER (0..255)
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
    "The last ICMP error."
 ::= { cabhCtpPing 17 }

-----

--
-- notification group is for future extension.

```

```
--
cabhCtpNotification OBJECT IDENTIFIER ::= { cabhCtpMib 2 }
cabhCtpNotifications OBJECT IDENTIFIER ::= { cabhCtpNotification 0 }
cabhCtpConformance OBJECT IDENTIFIER ::= { cabhCtpMib 3 }
cabhCtpCompliances OBJECT IDENTIFIER ::= { cabhCtpConformance 1 }
cabhCtpGroups OBJECT IDENTIFIER ::= { cabhCtpConformance 2 }

--
-- Notification Group
--

-- compliance statements

cabhCtpBasicCompliance MODULE-COMPLIANCE
    STATUS current
    DESCRIPTION
        "The compliance statement for devices that implement
        Portal Service feature."
    MODULE --cabhCtpMib

-- unconditionally mandatory groups

    MANDATORY-GROUPS {
        cabhCtpGroup
    }

    ::= { cabhCtpCompliances 3 }

cabhCtpGroup OBJECT-GROUP
    OBJECTS {
        cabhCtpSetToFactory,
        cabhCtpLastSetToFactory,
        cabhCtpConnSrcIpType,
        cabhCtpConnSrcIp,
        cabhCtpConnDestIpType,
        cabhCtpConnDestIp,
        cabhCtpConnProto,
        cabhCtpConnNumPkts,
        cabhCtpConnPktSize,
        cabhCtpConnTimeOut,
        cabhCtpConnControl,
        cabhCtpConnStatus,
        cabhCtpConnPktsSent,
        cabhCtpConnPktsRecv,
        cabhCtpConnRTT,
        cabhCtpConnThroughput,

        cabhCtpPingSrcIpType,
        cabhCtpPingSrcIp,
        cabhCtpPingDestIpType,
        cabhCtpPingDestIp,
        cabhCtpPingNumPkts,
        cabhCtpPingPktSize,
        cabhCtpPingTimeBetween,
        cabhCtpPingTimeOut,
        cabhCtpPingControl,
        cabhCtpPingStatus,
        cabhCtpPingNumSent,
        cabhCtpPingNumRecv,
```

```
    cabhCtpPingAvgRTT,  
    cabhCtpPingMinRTT,  
    cabhCtpPingMaxRTT,  
    cabhCtpPingNumIcmpError,  
    cabhCtpPingIcmpError  
  }  
STATUS      current  
DESCRIPTION  
    "Group of objects for CableHome CTP MIB."  
 ::= { cabhCtpGroups 1 }  
  
END
```

5 ACKNOWLEDGEMENTS

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Appendix I Revision History

The following Engineering Change Notices were incorporated into CH-SP-MIB-CTP-I02-020920:

ECN Number	ECN Date	Summary
CH1-N-02001	6/20/02	MIB CabhCtpConnThroughput is defined as R/W in MIB code, should be read only, as per the specification.
CH1-N-02006	6/20/02	<p>Correct single dash in the LAST-UPDATED line of the MODULE-IDENTITY.</p> <p>Change the options for the cabhCtpConnControl object.</p> <p>Change the options for the cabhCtpConnStatus object.</p> <p>Correct the range for the cabhCtpPingTimeOut object.</p> <p>Specify a default value (DEFVAL) of IPv4 for all IP address Type objects.</p> <p>Rename the cabhCtpReset object to cabhCtpSetToFactory and change the description.</p> <p>Modify the ranges (SYNTAX) for cabhCtpPingNumSent to be consistent with cabhCtpPingNumPkts.</p> <p>Change the options for the cabhCtpPingControl object.</p> <p>Change the options for the cabhCtpPingStatus object.</p>

The following Engineering Change Notices were incorporated into CH-SP-MIB-CTP-I03-030411:

ECN Number	ECN Date	Summary
CH1-N-02067	1/23/03	Change cabhCtpPingTimeOut DEFVAL to 1 second.

The following Engineering Change Notices were incorporated into CH-SP-MIB-CTP-I04-030801:

ECN Number	ECN Date	Summary
CH-MIB-N-03055	7/3/03	Update CTP MIB to incorporate changes needed to align the CableLabs version with the version submitted to the IETF.

The following Engineering Change Notices were incorporated into CH-SP-MIB-CTP-I05-040129:

ECN Number	ECN Date	Summary
CH-MIB-N-03081	11/13/03	Remove unneeded IMPORTS and clarify object descriptions.
MIB-CTP-N-03.0101-2	12/04/03	Remove references to the CableHome 1.0 specification.

The following Engineering Change Notices were incorporated into CH-SP-MIB-CTP-I06-040409:

ECN Number	ECN Date	Summary
MIB-CTP-N-03.0113-1	1/22/04	Additional CTP mibs that should return inconsistent value when set while tool is running.

The following Engineering Change Notices were incorporated into CH-SP-MIB-CTP-C01-060728:

ECN Number	ECN Date	Summary
MIB-CTP-N-06.0257-1	6/8/2006	Update CableHome CTP MIB contact information.