

Superseded

CableHome™ PSDEV MIB Specification

CH-SP-MIB-PSDEV-I03-030411

Issued

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Document Status Sheet

Document Control Number:	CH-SP-MIB-PSDEV-I03-030411		
Document Title:	CableHome™ PSDEV MIB Specification		
Revision History:	I03 – April 11, 2003 I02 – September 20, 2002 I01 – April 5, 2002 D03 – March 21, 2002 D02 – January 31, 2002 D01 — January 8, 2002		
Date:	April 11, 2003		
Status:	Work in Progress	Draft	Issued
Distribution Restrictions:	Author Only	CL/Member	Public
		CL/ CableHome/Ve ndor	

Key to Document Status Codes:

- Work in Progress** An incomplete document, designed to guide discussion and generate feedback, which 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 Portal Services Device (PSDev) 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-I04-030411, April 11, 2003

2.2 Reference Acquisition

CableLabs Specifications:

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

3 ACRONYMS

This specification uses the following acronyms:

CAP	CableHome Addressing Portal
CDC	CableHome DHCP Client (component of CDP)
CDP	CableHome DHCP Portal
CDS	CableHome DHCP Server (component of CDP)
CMP	CableHome Management Portal
CTP	CableHome Test Portal
DHCP	Dynamic Host Configuration Protocol
NAPT	Network Address and Port Translation
NAT	Network Address Translation
PS	Portal Services

4 REQUIREMENTS

The CableHome™ PSDev MIB MUST be implemented as defined below.

```
CABH-PS-DEV-MIB DEFINITIONS ::= BEGIN
IMPORTS
    MODULE-IDENTITY,
    OBJECT-TYPE,
    Integer32,
    NOTIFICATION-TYPE                FROM SNMPv2-SMI
    TruthValue,
```

```

PhysAddress,
DateAndTime,
TEXTUAL-CONVENTION          FROM SNMPv2-TC
SnmpAdminString             FROM SNMP-FRAMEWORK-MIB
OBJECT-GROUP,
MODULE-COMPLIANCE,
NOTIFICATION-GROUP         FROM SNMPv2-CONF

InetAddressType,
InetAddress                 FROM INET-ADDRESS-MIB

docsDevSwCurrentVers,
docsDevEvLevel,
docsDevEvId,
docsDevEvText,
docsDevSwFilename,
docsDevSwServer            FROM DOCS-CABLE-DEVICE-MIB -- RFC2669

cabhCdpServerDhcpAddress,
cabhCdpWanDataAddrClientId,
cabhCdpLanTransThreshold,
cabhCdpLanTransCurCount   FROM CABH-CDP-MIB

clabProjCableHome         FROM CLAB-DEF-MIB;

```

```

=====
--
-- History:
--
-- Date           Modified by           Reason
-- 04/05/02      [redacted]             Issued I01
-- 09/20/02      [redacted]             Issued I02
-- 04/11/03      [redacted]             Issued I03
--
=====

```

```

cabhPsDevMib MODULE-IDENTITY
  LAST-UPDATED   "200304110000Z"-- April 11, 2003
  ORGANIZATION   "CableLabs Broadband Access Department"
  CONTACT-INFO
    "Kevin Luehrs
     Postal: Cable Television Laboratories, Inc.
           400 Centennial Parkway
           Louisville, Colorado 80027-1266
           U.S.A.
     Phone: +1 303-661-9100
     Fax:   +1 303-661-9199
     E-mail: k.luehrs@cablelabs.com"
  DESCRIPTION
    "This MIB module supplies the basic management objects
     for the PS Device. The PS device parameter describe
     general PS Device attributes and behavior characteristics.
     Most the PS Device MIB is need for configuration download.

     Acknowledgements:
     Roy Spitzer      - Consultant to CableLabs
     Mike Mannette   - Consultant to CableLabs
     Itay Sherman    - Texas Instruments
     Chris Zacker    - Broadcom
     Rick Vetter     - Consultant to CableLabs "
 ::= { clabProjCableHome 1 }

```

```
-- Textual conventions
X509Certificate ::= TEXTUAL-CONVENTION
    STATUS current
    DESCRIPTION
    "An X509 digital certificate encoded as an ASN.1 DER object."
    SYNTAX OCTET STRING (SIZE (0..4096))

cabhPsDevMibObjects OBJECT IDENTIFIER ::= { cabhPsDevMib 1 }
cabhPsDevBase OBJECT IDENTIFIER ::= { cabhPsDevMibObjects 1 }
cabhPsDevProv OBJECT IDENTIFIER ::= { cabhPsDevMibObjects 2 }

--
-- The following group describes the base objects in the PS.
-- These are device based parameters.
--

cabhPsDevDateTime OBJECT-TYPE
    SYNTAX DateAndTime
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The date and time, with optional timezone
        information."
    ::= { cabhPsDevBase 1 }

cabhPsDevResetNow OBJECT-TYPE
    SYNTAX TruthValue
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
    "Setting this object to true(1) causes the stand-alone or embedded
    PS device to reboot. Device code initializes as if starting from a
    power-on reset. The CMP ensures that MIB object values persist as
    specified in Appendix I of the CableHome 1.0 specification. Reading
    this object always returns false(2)."
    ::= { cabhPsDevBase 2 }

cabhPsDevSerialNumber OBJECT-TYPE
    SYNTAX SnmpAdminString (SIZE (0..128))
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The manufacturer's serial number for this PS. This parameter
        is manufacturer provided and is stored in non-volatile memory."
    ::= { cabhPsDevBase 3 }

cabhPsDevHardwareVersion OBJECT-TYPE
    SYNTAX SnmpAdminString (SIZE (0..48))
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The manufacturer's hardware version for this PS. This
        parameter is manufacturer provided and is stored in non-volatile
        memory."
    ::= { cabhPsDevBase 4 }

cabhPsDevWanManMacAddress OBJECT-TYPE
    SYNTAX PhysAddress
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
```

"The PS WAN-MAN MAC address. This is the PS hardware address to be used by the CDC to uniquely identify the PS to the cable data network DHCP server for the acquisition of an IP address to be used for management messaging between the cable network NMS and the CMP"

```
::= { cabhPsDevBase 5 }
```

```
cabhPsDevWanDataMacAddress OBJECT-TYPE
    SYNTAX      PhysAddress
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
```

"The PS WAN-Data MAC address. The PS could have multiple WAN-Data Interfaces, which share the same hardware address. The client identifiers will be unique so that each may be assigned a different, unique IP address."

```
::= { cabhPsDevBase 6 }
```

```
cabhPsDevTypeIdentifier OBJECT-TYPE
    SYNTAX      SnmpAdminString
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
```

"This is a copy of the device type identifier used in the DHCP option 60 exchanged between the PS and the DHCP server."

```
::= { cabhPsDevBase 7 }
```

```
cabhPsDevSetToFactory OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
```

"Setting this object to true(1) sets all PsDev MIB objects to the factory default values. Reading this object always returns false(2)."

```
::= { cabhPsDevBase 8 }
```

```
cabhPsDevWanManClientId OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (1..80))
    MAX-ACCESS  read-write
    STATUS      deprecated
    DESCRIPTION
```

"This is the client ID used for WAN-MAN DHCP requests. The default value is the 6 byte MAC address."

```
::= { cabhPsDevBase 9 }
```

```
cabhPsDevTodSyncStatus OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
```

"This object indicates whether the PS was able to successfully synchronize with the Time of Day (ToD) Server in the cable network. The PS sets this object to true(1) if the PS successfully synchronizes its time with the ToD server. The PS sets this object to false(2) if the PS does not successfully synchronize with the ToD server"

```

    DEFVAL { false }
 ::= { cabhPsDevBase 10 }

cabhPsDevProvMode OBJECT-TYPE
    SYNTAX      INTEGER
    {
        dhcpmode(1),
        snmpmode(2),
        dormantCHmode(3)
    }
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
    "This object indicates the provisioning mode in which the
    PS is operating. If the PS is operating in DHCP Provisioning
    Mode as described in the CableHome 1.0 specification, the PS
    sets this object to dhcpmode(1). If the PS is operating in SNMP
    Provisioning Mode, the PS sets this object to snmpmode(2).If
    the PS is not configured to operate in either dhcpmode or
    snmpmode it will fall back to Dormant CableHome Mode
    dormantCHmode(3)."
```

```

 ::= { cabhPsDevBase 11 }

--
-- The following group defines Provisioning Specific parameters
--

cabhPsDevProvisioningTimer OBJECT-TYPE
    SYNTAX      INTEGER (0..16383)
    UNITS       "minutes"
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
    "This object enables the user to set the duration of the provisioning
    timeout timer. The value is in minutes. Setting the timer
    to 0 disables it. The default value for the timer is 5."
    DEFVAL {5}
    ::= { cabhPsDevProv 1 }

cabhPsDevProvConfigFile OBJECT-TYPE
    SYNTAX      SnmpAdminString (SIZE(1..128))
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
    "The URL of the TFTP host for downloading provisioning
    and configuration parameters to this device. Returns NULL if the
    server address is unknown."
    ::= { cabhPsDevProv 2 }

cabhPsDevProvConfigHash OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE(20))
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
    "Hash of the contents of the PS config file, which is calculated by
    the NMS and sent to the PS. For the SHA-1 authentication algorithm
    the hash length is 160 bits. This hash value is encoded in binary
    format."
    ::= { cabhPsDevProv 3 }

cabhPsDevProvConfigFileSize OBJECT-TYPE
    SYNTAX      Integer32
```

```

UNITS          "bytes"
MAX-ACCESS    read-only
STATUS        current
DESCRIPTION
    "Size of the configuration file."
 ::= { cabhPsDevProv 4 }

cabhPsDevProvConfigFileStatus OBJECT-TYPE
SYNTAX        INTEGER
{
    idle      (1),
    busy     (2)
}
MAX-ACCESS    read-only
STATUS        current
DESCRIPTION
    "This object indicates the current status
of the configuration file download process. It is
provided to indicate to the management entity
that the PS will reject PS Configuration File triggers
(set request to cabhPsDevProvConfigFile) when busy."
 ::= { cabhPsDevProv 5 }

cabhPsDevProvConfigTLVProcessed OBJECT-TYPE
SYNTAX        INTEGER (0..16383)
MAX-ACCESS    read-only
STATUS        current
DESCRIPTION
    "Number of TLVs processed in config file."
 ::= { cabhPsDevProv 6 }

cabhPsDevProvConfigTLVRejected OBJECT-TYPE
SYNTAX        INTEGER (0..16383)
MAX-ACCESS    read-only
STATUS        current
DESCRIPTION
    "Number of TLVs rejected in config file."
 ::= { cabhPsDevProv 7 }

cabhPsDevProvSolicitedKeyTimeout OBJECT-TYPE
SYNTAX        Integer32 (15..600)
UNITS          "seconds"
MAX-ACCESS    read-write
STATUS        current
DESCRIPTION
    "This timeout applies only when the Provisioning Server initiated
key management (with a Wake Up message) for SNMPv3. It is the
period during which the PS will save a number (inside the
sequence number field) from the sent out AP Request and wait for the
matching AP Reply from the Provisioning Server."
    DEFVAL { 120 }
 ::= { cabhPsDevProv 8 }

cabhPsDevProvState OBJECT-TYPE
SYNTAX        INTEGER
{
    pass              (1),
    inProgress       (2),
    fail              (3)
}
MAX-ACCESS    read-only
STATUS        current

```

```

DESCRIPTION
    "This object indicates the completion state of the
    initialization process. Pass or Fail states occur after
    completion of the initialization flow. InProgress occurs
    from PS initialization start to PS initialization end."
 ::= { cabhPsDevProv 9 }

cabhPsDevProvAuthState OBJECT-TYPE
    SYNTAX      INTEGER
    {
        accepted      (1),
        rejected      (2)
    }
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "This object indicates the authentication state
        of the configuration file."
 ::= { cabhPsDevProv 10 }

cabhPsDevProvCorrelationId OBJECT-TYPE
    SYNTAX      Integer32
    MAX-ACCESS  read-only
    STATUS      deprecated
    DESCRIPTION
        "Random value generated by the PS for use in registration
        authorization. It is for use only in the PS initialization
        messages and for PS configuration file download. This value
        appears in both cabhPsDevProvisioningStatus and
        cabhPsDevProvisioningEnrollmentReport informs to verify the
        instance of loading the configuration file."
 ::= { cabhPsDevProv 11 }

cabhPsDevTimeServerAddrType OBJECT-TYPE
    SYNTAX      InetAddressType
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "The IP address type of the Time server (RFC-868). IP version 4
        is typically used."
 ::= { cabhPsDevProv 12 }

cabhPsDevTimeServerAddr OBJECT-TYPE
    SYNTAX      InetAddress
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "The IP address of the Time server (RFC-868). Returns
        0.0.0.0 if the time server IP address is unknown."
 ::= { cabhPsDevProv 13 }

--
-- notification group is for future extension.
--

cabhPsNotification OBJECT IDENTIFIER ::= { cabhPsDevMib 2 0 }
cabhPsConformance OBJECT IDENTIFIER ::= { cabhPsDevMib 3 }
cabhPsCompliances OBJECT IDENTIFIER ::= { cabhPsConformance 1 }
cabhPsGroups OBJECT IDENTIFIER ::= { cabhPsConformance 2 }

--
-- Notification Group
--

```

```

cabhPsDevInitTLVUnknownTrap      NOTIFICATION-TYPE
  OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress
  }
  STATUS current
  DESCRIPTION
  "Event due to detection of unknown TLV during the TLV parsing process.
  The values of docsDevEvLevel, docsDevId, and docsDevEvText are from the
  entry which logs this event in the docsDevEventTable. The value of
  cabhPsDevWanManMacAddress indicates the Wan-Man MAC address of the PS.
  This part of the information is uniform across all PS Traps."
  ::= { cabhPsNotification 1 }

cabhPsDevInitTrap      NOTIFICATION-TYPE
  OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress,
    cabhPsDevProvConfigFile,
    cabhPsDevProvConfigTLVProcessed,
    cabhPsDevProvConfigTLVRejected
  }
  STATUS current
  DESCRIPTION
  "This inform is issued to confirm the successful completion
  of the CableHome provisioning process."
  ::= { cabhPsNotification 2 }

cabhPsDevInitRetryTrap      NOTIFICATION-TYPE
  OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress
  }
  STATUS current
  DESCRIPTION
  "An event to report a failure happened during the initialization
  process and detected in the PS. "
  ::= { cabhPsNotification 3 }

cabhPsDevDHCPFailTrap      NOTIFICATION-TYPE
  OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress,
    cabhCdpServerDhcpAddress
  }
  STATUS current
  DESCRIPTION
  "An event to report the failure of a DHCP server.
  The value of cabhCdpServerDhcpAddress is the IP address
  of the DHCP server."
  ::= { cabhPsNotification 4 }

cabhPsDevSwUpgradeInitTrap      NOTIFICATION-TYPE

```

```

OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress,
    docsDevSwFilename,
    docsDevSwServer
}
STATUS current
DESCRIPTION
    "An event to report a software upgrade initiated
    event. The values of docsDevSwFilename, and
    docsDevSwServer indicate the software image name
    and the server IP address the image is from."
 ::= { cabhPsNotification 5 }

cabhPsDevSwUpgradeFailTrap NOTIFICATION-TYPE
OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress,
    docsDevSwFilename,
    docsDevSwServer
}
STATUS current
DESCRIPTION
    "An event to report the failure of a software upgrade
    attempt. The values of docsDevSwFilename, and
    docsDevSwServer indicate the software image name
    and the server IP address the image is from."
 ::= { cabhPsNotification 6 }

cabhPsDevSwUpgradeSuccessTrap NOTIFICATION-TYPE
OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress,
    docsDevSwFilename,
    docsDevSwServer
}
STATUS current
DESCRIPTION
    "An event to report the Software upgrade success event.
    The values of docsDevSwFilename, and
    docsDevSwServer indicate the software image name
    and the server IP address the image is from."
 ::= { cabhPsNotification 7 }

cabhPsDevSwUpgradeCVCFailTrap NOTIFICATION-TYPE
OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress
}
STATUS current
DESCRIPTION
    "An event to report the failure of the verification

```

```

        of code file happened during a secure software upgrade
        attempt."
 ::= { cabhPsNotification 8 }

cabhPsDevTODFailTrap NOTIFICATION-TYPE
OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevTimeServerAddr,
    cabhPsDevWanManMacAddress
}
STATUS current
DESCRIPTION
    "An event to report the failure of a time of day server.
    The value of cabhPsDevTimeServerAddr indicates the server IP
    address."
 ::= { cabhPsNotification 9 }

cabhPsDevCdpWanDataIpTrap NOTIFICATION-TYPE
OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhCdpWanDataAddrClientId,
    cabhPsDevWanManMacAddress
}
STATUS current
DESCRIPTION
    "An event to report the failure of PS to obtain all needed WAN-Data Ip
    Addresses. cabhCdpWanDataAddrClientId indicates the ClientId for which
    the failure occurred."
 ::= { cabhPsNotification 10 }

cabhPsDevCdpThresholdTrap NOTIFICATION-TYPE
OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress,
    cabhCdpLanTransThreshold
}
STATUS current
DESCRIPTION
    "An event to report that the Lan-Trans threshold has been exceeded."
 ::= { cabhPsNotification 11 }

cabhPsDevCspTrap NOTIFICATION-TYPE
OBJECTS {
    docsDevEvLevel,
    docsDevEvId,
    docsDevEvText,
    cabhPsDevWanManMacAddress
}
STATUS current
DESCRIPTION
    "To report an event with the CableHome Security Portal."
 ::= { cabhPsNotification 12 }

cabhPsDevCapTrap NOTIFICATION-TYPE
OBJECTS {

```

```

        docsDevEvLevel,
        docsDevEvId,
        docsDevEvText,
        cabhPsDevWanManMacAddress
    }
    STATUS          current
    DESCRIPTION
        "To report an event with the CableHome Address Portal."
    ::= { cabhPsNotification 13 }

cabhPsDevCtpTrap  NOTIFICATION-TYPE
    OBJECTS {
        docsDevEvLevel,
        docsDevEvId,
        docsDevEvText,
        cabhPsDevWanManMacAddress
    }
    STATUS          current
    DESCRIPTION
        "To report an event with the CableHome Test Portal."
    ::= { cabhPsNotification 14 }

cabhPsDevProvEnrollTrap  NOTIFICATION-TYPE
    OBJECTS {
        cabhPsDevHardwareVersion,
        docsDevSwCurrentVers,
        cabhPsDevTypeIdentifier,
        cabhPsDevWanManMacAddress,
        cabhPsDevProvCorrelationId
    }
    STATUS          current
    DESCRIPTION
        "This inform is issued to initiate the CableHome
        process provisioning."
    REFERENCE
        "Inform as defined in RFC 1902"
    ::= { cabhPsNotification 15 }

cabhPsDevCdpLanIpPoolTrap  NOTIFICATION-TYPE
    OBJECTS {
        docsDevEvLevel, docsDevEvId, docsDevEvText,
        cabhPsDevWanManMacAddress,
        cabhCdpLanTransCurCount
    }
    STATUS          current
    DESCRIPTION
        "An event to report that the pool of IP addresses for LAN clients, as
        defined by cabhCdpLanPoolStart and cabhCdpLanPoolEnd, is exhausted "
    ::= { cabhPsNotification 16}

-- compliance statements

cabhPsBasicCompliance  MODULE-COMPLIANCE
    STATUS          current
    DESCRIPTION
        "The compliance statement for devices that implement
        PS feature."
    MODULE         --cabhPsMib

```

```

-- unconditionally mandatory groups

    MANDATORY-GROUPS {
        cabhPsGroup
    }

 ::= { cabhPsCompliances 1}

cabhPsGroup OBJECT-GROUP
    OBJECTS {
        cabhPsDevDateTime,
        cabhPsDevResetNow,
        cabhPsDevSerialNumber,
        cabhPsDevHardwareVersion,
        cabhPsDevWanManMacAddress,
        cabhPsDevWanDataMacAddress,
        cabhPsDevTypeIdentifier,
        cabhPsDevSetToFactory,
        cabhPsDevWanManClientId,
        cabhPsDevTodSyncStatus,
        cabhPsDevProvMode,

        cabhPsDevProvisioningTimer,
        cabhPsDevProvConfigFile,
        cabhPsDevProvConfigHash,
        cabhPsDevProvConfigFileSize,
        cabhPsDevProvConfigFileStatus,
        cabhPsDevProvConfigTLVProcessed,
        cabhPsDevProvConfigTLVRejected,
        cabhPsDevProvSolicitedKeyTimeout,
        cabhPsDevProvState,
        cabhPsDevProvAuthState,
        cabhPsDevProvCorrelationId,
        cabhPsDevTimeServerAddrType,
        cabhPsDevTimeServerAddr

    }
    STATUS      current
    DESCRIPTION
        "Group of objects for CableHome PS MIB."
    ::= { cabhPsGroups 1 }

cabhPsNotificationGroup          NOTIFICATION-GROUP
    NOTIFICATIONS {
        cabhPsDevInitTLVUnknownTrap,
        cabhPsDevInitTrap,
        cabhPsDevInitRetryTrap,
        cabhPsDevDHCPFailTrap,
        cabhPsDevSwUpgradeInitTrap,
        cabhPsDevSwUpgradeFailTrap,
        cabhPsDevSwUpgradeSuccessTrap,
        cabhPsDevSwUpgradeCVCFailTrap,
        cabhPsDevTODFailTrap,
        cabhPsDevCdpWanDataIpTrap,
        cabhPsDevCdpThresholdTrap,
        cabhPsDevCspTrap,
        cabhPsDevCapTrap,
        cabhPsDevCtpTrap,
        cabhPsDevProvEnrollTrap,
        cabhPsDevCdpLanIpPoolTrap
    }

```

```
    }
    STATUS current
    DESCRIPTION
        "These notifications indicate change in status of the Portal
        Services set of functions in a device complying with
        CableLabs CableHome(tm) specifications."
    ::= { cabhPsGroups 2 }
END
```

Appendix I Revision History

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

ECN Number	ECN Date	Summary
CH1-N-02003	8/15/02	There is currently no event defined for reporting the exhaustion of addresses from the CDS pool.
CH1-N-02008	6/20/02	Correct single dash in the LAST-UPDATED line of the MODULE-IDENTITY Clarify the description for cabhPsDevResetNow object Rename cabhPsDevResetDefaults to cabhPsDevSetToFactory to be consistent with other CableHome MIBs Clarify the description for cabhPsDevProvMode object
CH1-N-02018	8/15/02	Define CableHome acronyms Correct cabhPsGroup OID numbering: should be the first, not the third, leaf on the cabhPsCompliances branch. Change SYNTAX from DisplayString to SnmpAdminString Change 'headend DHCP server' reference in DESCRIPTION for cabhPsDevWanManMacAddress to 'cable data network DHCP server'. Correct grammatical error in the description for cabhPsDevWanDataMacAddress Correct the grammatical/typographical error in the description for cabhPsDevProvConfigHash

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

ECN Number	ECN Date	Summary
CH1-N-02041	1/23/03	Add cabhCdpLanTransCurCount to list of OIDs to IMPORT from CDP MIB.
CH1-N-02046	1/23/03	Change the STATUS of the cabhPsDevWanManClientId object from "current" to "deprecated"
CH1-N-02050	1/23/03	cabhSecFwPolicyFileHash and cabhPsDevProvConfigHash are defined as 20 octet should return binary values.

CH1-N-02065	1/23/03	Align the PSDev MIB with draft-jones-cable-gateway-device-MIB-00.txt and add new option for Dormant CableHome mode.
-------------	---------	---