PKTC-ECL-EN-SIG-MIB DEFINITIONS ::= BEGIN

IMPORTS
MODULE-IDENTITY,
OBJECT-TYPE,
Unsigned32, BITS
FROM SNMPv2-SMI
ifIndex
FROM IF-MIB
SnmpAdminString
FROM SNMP-FRAMEWORK-MIB
TruthValue
FROM SNMPv2-TC
OBJECT-GROUP,
MODULE-COMPLIANCE
FROM SNMPv2-CONF

PKTC-ECL-EN-SIG-MIB MODULE-IDENTITY
LAST-UPDATED    "200906150000Z" -- 15 June 2009
ORGANIZATION    "Cable Television Laboratories, Inc"
CONTACT-INFO
"Sumanth Channabasappa
Postal: Cable Television Laboratories, Inc.
858 Coal Creek Circle
Louisville, Colorado 80027-9750
U.S.A.
Phone: +1 303-661-9100
Fax: +1 303-661-9199
E-mail: mibs@cablelabs.com"

DESCRIPTION
"This MIB module enhances the basic management
objects defined for PacketCable Signaling
protocols by the MIB group pktcSigMib.

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Satish Kumar - Texas Instruments
Jean-Francois Mule - CableLabs

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REVISION "2009061500000Z" -- 15 June 2009

DESCRIPTION
"This revision includes Engineering Change
MB-EXSIG1.5-N-09.0569-2 and is published as part
of the fourth update of the PacketCable Signaling MIBs
enhancement for PacketCable 1.5."

REVISION "2007052500000Z"

DESCRIPTION
"This revision is being published as part of the third update of
the Packetcable Signaling MIBs enhancements for PacketCable 1.5."
REVISION "200501280000Z"

DESCRIPTION
"This revision is being published as part of the PacketCable Signaling MIBs enhancements for PacketCable 1.5."

::=  { pktcEclEnhancements 2 }

--

-- Enhanced MIB Objects and Divisions.
--

pktcEnSigMibObjects OBJECT IDENTIFIER
::=  { pktcEclEnSigMib 1 }

pktcEnSigDevConfigObjects OBJECT IDENTIFIER
::=  { pktcEnSigMibObjects 1 }

pktcEnNcsEndPntConfigObjects OBJECT IDENTIFIER
::=  { pktcEnSigMibObjects 2 }

pktcEnSigEndPntConfigObjects OBJECT IDENTIFIER
::=  { pktcEnSigMibObjects 3 }

pktcEnDcsEndPntConfigObjects OBJECT IDENTIFIER
::=  { pktcEnSigMibObjects 4 }

--

-- Enhanced Notification groups.
--

pktcEnSigNotificationPrefix OBJECT IDENTIFIER
::=  { pktcEclEnSigMib 2 }

pktcEnSigNotification OBJECT IDENTIFIER
::=  { pktcEnSigNotificationPrefix 0 }

pktcEnSigConformance OBJECT IDENTIFIER
::=  { pktcEclEnSigMib 3 }

pktcEnSigCompliances OBJECT IDENTIFIER
::=  { pktcEnSigConformance 1 }

pktcEnSigGroups OBJECT IDENTIFIER
::=  { pktcEnSigConformance 2 }

pktcEnNcsMinimumDtmfPlayout OBJECT-TYPE
SYNTAX  Unsigned32 (0 | 40..100)
UNITS "milliseconds"
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This object defines the minimum playout time for the DTMF digit when IETF RFC 2833 DTMF Relay is used for the egress gateway.
If the value set via this pktcEnNcsMinimumDtmfPlayout object is different from that specified in RFC2833 packet, then the MTA MUST use the maximum of the two values.
For example:
If the RFC 2833 packet specifies 23ms and if the object pktcEnNcsMinimumDtmfPlayout is set to 40ms then the egress gateway must use a value of 40ms.
Similarly if the RFC 2833 packet specifies 60 ms and if the object pktcEnNcsMinimumDtmfPlayout is set to 40ms then the egress gateway must use a value of 60 ms."
REFERENCE
"PacketCable(tm) Codec Specification"
DEFVAL  {0}
::=  { pktcEnSigDevConfigObjects 1 }

--

-- The following table enhances the NCS End Point Config Table
-- (pktcNcsEndPntConfigTable) defined in pktSigMib.
--
pktcEnNcsEndPntConfigTable OBJECT-TYPE
SYNTAX SEQUENCE OF PktcEnNcsEndPntConfigEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This table augments pktcNcsEndPntConfigTable."
 ::= { pktcEnNcsEndPntConfigObjects 1 }

pktcEnNcsEndPntConfigEntry OBJECT-TYPE
SYNTAX PktcEnNcsEndPntConfigEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An enhancement to pktcNcEndPntConfigTable - where each
entry describes endpoint characteristics."
AUGMENTS { pktcNcsEndPntConfigEntry }
 ::= { pktcEnNcsEndPntConfigTable 1 }

PktcEnNcsEndPntConfigEntry ::= SEQUENCE {
 pktcEnNcsEndPntQuarantineState INTEGER,
pktcEnNcsEndPntHookState INTEGER,
pktcEnNcsEndPntFaxDetection TruthValue,
pktcEnNcsEndPntStatusReportCtrl INTEGER
}

pktcEnNcsEndPntQuarantineState OBJECT-TYPE
SYNTAX INTEGER {
 normal           (1),
 notification     (2),
 lockstep         (3),
 extendedlockstep (4)
 }
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object reflects the state of the Endpoint.
When the endpoint is in notification, lockstep or
values 'extended lockstep' states, the E-MTA MUST report
the of notification(2), lockstep(3) or extendedlockstep(4),respectively. Else, the endpoint MUST report a value of
of normal(1).
'Extended Lockstep' is defined as the state when the
E-MTA is in the lockstep state for longer than 2 minutes.
For more description about the states refer
to the PacketCable Network Based Call signaling
specification."
REFERENCE
"PacketCable(tm) Network-Based Call Signaling Protocol
Specification,"
 ::= { pktcEnNcsEndPntConfigEntry 1 }

pktcEnNcsEndPntHookState OBJECT-TYPE
SYNTAX INTEGER {
 onHook                (1),
onHookPlusNCSActivity (2),
offHook               (3)
 }
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object reflects the 'hook state' and 'NCS Activity'
of an endpoint.
'NCS Activity', by definition includes: an active
timeout signal, active brief signal or existence of an NCS connection.
The onHook(1) state indicates that the endpoint is 'on hook' and the absence of 'NCS Activity' on that endpoint.
The onHookPlusNCsActivity(2) indicates that the endpoint is 'on hook' and the presence of 'NCS Activity' on that endpoint.
The offHook(3) state indicates that the endpoint is 'off hook'.

REFERENCE
"PacketCable(tm) Network-Based Call Signaling Protocol Specification"
::= { pktcEnNcsEndPntConfigEntry 2 }

pktcEnNcsEndPntFaxDetection OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This MIB object is used to configure
the distinctive fax calling tone (CNG) detection feature
on an MTA endpoint with reference to the analog interface[po1].
When set to true, the MTA MUST enable the detection
of CNG tones on the specific endpoint.
When set to false, the MTA MUST disable the detection
of CNG tones on the specific endpoint.
If a connection already exists on the endpoint when this
MIB Object is modified, then the setting needs to take
effect on the next connection."
DEFVAL {false}
::= { pktcEnNcsEndPntConfigEntry 3 }

pktcEnNcsEndPntStatusReportCtrl OBJECT-TYPE
SYNTAX INTEGER {
  unsupported             (1),
  reportActualStatus     (2),
  reportEndPointAsActive (3)
}
MAX-ACCESS read-create
STATUS deprecated
DESCRIPTION
"This MIB object is being used to control
the Endpoint Status Reporting, if the feature is supported by the MTA and is configurable.
The term 'Endpoint Status Reporting' refers to any information that the MTA may provide to External Systems for use in a particular reporting mechanism (Ex: Home Alarm Systems). The definition of the External Systems and reporting mechanism are beyond the scope of this definition (In the example of Home Alarm Systems, this MIB Object will allow Management Stations to temporarily disable outage reporting on an EndPoint during planned downtime).
If supported, the MTA MUST:
- reflect the actual Endpoint status when the value is set to 'reportActualStatus(2)'
- reflect the EndPoint status as being active when the value is set to 'reportEndPointAsActive(3)', irrespective of the actual status.
If unsupported, the MTA MUST set this value to 'unsupported(1)' and reject any attempt to set this MIB object using SNMP SET to any other value."
::= { pktcEnNcsEndPntConfigEntry 4 }
pktcEnEndPntInfoTable OBJECT-TYPE
   -- ECL: row name changed to pktcEnEndPntInfoEntry due to warning 13
   SYNTAX       SEQUENCE OF PktcEnEndPntInfoEntry
   MAX-ACCESS   not-accessible
   STATUS       current
   DESCRIPTION
     "This table includes any additional information
     associated with PacketCable EndPoints.
     The number of entries in this table represents the
     number of available PacketCable EndPoints."
   ::= { pktcEnNcsEndPntConfigObjects 2 }

-- ECL: row name changed to pktcEnEndPntInfoEntry due to warning 13
pktcEnEndPntInfoEntry OBJECT-TYPE
   SYNTAX       PktcEnEndPntInfoEntry
   MAX-ACCESS   not-accessible
   STATUS       current
   DESCRIPTION
     "An entry in this table MUST be created for each
     PacketCable EndPoint.
     The index needs to be the corresponding index in the ifTable
     for the associated PacketCable EndPoint."
   INDEX { ifIndex }
   ::= { pktcEnEndPntInfoTable 1 }

-- ECL: row name changed to pktcEnEndPntInfoEntry due to warning 13
(pktcEnEndPntInfoEntry ::= SEQUENCE {
   pktcEnEndPntFgnPotSupport BITS,
   pktcEnEndPntFgnPotDescr SnmpAdminString,
   pktcEnEndPntClrFgnPotTsts BITS,
   pktcEnEndPntRunFgnPotTsts BITS,
   pktcEnEndPntFgnTestValidity BITS,
   pktcEnEndPntFgnTestResults BITS
})

pktcEnEndPntFgnPotSupport OBJECT-TYPE
   SYNTAX BITS {
      fgnPotDetection (0),
      hazardousFgnPotDetection (1)
   }
   MAX-ACCESS read-only
   STATUS current
   DESCRIPTION
     "This MIB object indicates the capabilities of the MTA to
     detect various conditions related to the presence of
     foreign potential on an endpoint.
     The MTA MUST set a value of '1' for each bit corresponding
     to a supported functionality and a value of '0' for each
     bit corresponding to an unsupported functionality."
   -- ECL: row name changed to pktcEnEndPntInfoEntry due to warning 13
   ::= { pktcEnEndPntInfoEntry 1 }

pktcEnEndPntFgnPotDescr OBJECT-TYPE
   SYNTAX SnmpAdminString
   MAX-ACCESS read-only
   STATUS current
   DESCRIPTION
     "This MIB object provides information related to the
     various tests for each detection mechanism supported by
     the MTA. While the actual contents are vendor-specific,
     the recommended format is:
     [Capability]:<Test References>:<Other Info>...
     Example:
     <fgnPotDetection>;<test XYZ, Reference 'Document'>;<NA>;

pktcEnEndPntClrFgnPotTsts OBJECT-TYPE
SYNTAX BITS {
    clrFgnPotentialResults (0),
    clrHazardousPotResults (1)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This MIB object is used to clear the current test results of supported conditions indicated by 'pktcEnEndPntFgnPotSupport'. Setting a bit to a value of '1' clears the corresponding results in the MIB Object 'pktcEnEndPntFgnTestResults' and the validity as indicated by the MIB object 'pktcEnEndPntFgnTestValidity' for the supported conditions only (i.e., the MTA MUST set the corresponding bits to a value of '0' in the indicated tables). If an SNMP SET attempts to set a bit corresponding to an unsupported condition to a value of '1', then the MTA MUST reject the entire SNMP SET and report an 'inconsistent value' error. For all unsupported scenarios, the corresponding bits MUST be set to a value of '0'. Whenever one or more tests are enabled by the MIB Object 'pktcEnEndPntRunFgnPotTsts', the MTA MUST also reset the corresponding bits in this MIB Object to a value of '0'."

pktcEnEndPntRunFgnPotTsts OBJECT-TYPE
SYNTAX BITS {
    runFgnPotentialTsts (0),
    runHazardousPotTsts (1)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This MIB object is used to initiate one or more test cases associated with a supported foreign potential detection. Thus, whenever one or more BITS corresponding to supported foreign scenario potential detection mechanisms are set to a value of '1', the MTA MUST enable those tests. Once the tests are executed, the MTA MUST:
- set the corresponding bit to a value of '0'
- update the corresponding BITS in the MIB Objects 'pktcEnEndPntFgnTestValidity' and 'pktcEnEndPntFgnTestResults'. If an SNMP SET attempts to set a bit corresponding to an unsupported condition to a value of '1', then the MTA MUST reject the entire SNMP SET and report an 'inconsistent value' error.
Whenever a test is being run on an EndPoint the MTA MUST set the corresponding 'ifOperStatus' MIB Object to a value of 'testing(3)' for the whole duration of the test. When the test is completed, the MTA MUST set the ifOperStatus to the value corresponding to the current state of the line."

Note: Whenever multiple tests are run, the ordering of the tests or the results is vendor dependent and need not
necessarily follow the ordering of BITS in this MIB Object."

-- ECL: row name changed to pktcEnEndPntInfoEntry due to warning 13
::= { pktcEnEndPntInfoEntry 4 }

pktcEnEndPntFgnTestValidity OBJECT-TYPE
SYNTAX BITS {
  fgnPotTstValidity (0),
  hazardousPotTstValidity (1)
}
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This MIB object is used to indicate the validity of the corresponding test cases that were initiated using the MIB Object 'pktcEnEndPntRunFgnPotTests'.

An MTA MUST:
- return a value of '1' if the tests were run successfully and the results are valid.
- return a value of '0' if a particular test was not initiated or if the tests could not be run successfully and hence the results are invalid.

Note: The MTA MUST set all the BITS to '0' as soon as one or more test cases are initiated."

-- ECL: row name changed to pktcEnEndPntInfoEntry due to warning 13
::= { pktcEnEndPntInfoEntry 5 }

pktcEnEndPntFgnTestResults OBJECT-TYPE
SYNTAX BITS {
  fgnPotentialResults (0),
  hazardousPotResults (1)
}
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This MIB object is used to indicate the results of the corresponding test cases that were initiated using the MIB Object 'pktcEnEndPntRunFgnPotTests'.

An MTA MUST:
- set the corresponding bit to a value of '1' if the tests indicated the presence of a foreign potential as per the associated test case.
- set the corresponding bit to a value of '0' if the tests indicated the absence of a foreign potential as per the associated test case.

Note: The MTA MUST set all the BITS to '0' as soon as one or more test cases are initiated."

-- ECL: row name changed to pktcEnEndPntInfoEntry due to warning 13
::= { pktcEnEndPntInfoEntry 6 }

pktcEnNcsEndPntLVMgmtTable OBJECT-TYPE
-- ECL: alias changed from PktcEnNcsEndPntLVMgmtTableEntry due to warning 13
SYNTAX SEQUENCE OF PktcEnNcsEndPntLVMgmtEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This MIB table contains the MIB Objects used for managing loop voltage on an MTA. An MTA MUST implement the defined MIB Objects and the associated functionality."
::= { pktcEnNcsEndPntConfigObjects 3 }

-- ECL: row name changed from pktcEnNcsEndPntLVMgmtTableEntry due to warning 13
pktcEnNcsEndPntLVMgmtTableEntry OBJECT-TYPE
-- ECL: alias changed from PktcEnNcsEndPntLVMgmtTableEntry due to warning 13

-- ECL: alias changed from PktcEnNcsEndPntLVMgmtTableEntry due to warning 13
SYNTAX PktcEnNcsEndPntLVMgmtEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Each entry in this MIB table consists of the loop voltage management policy for the specified index. The MTA MUST use the ifIndex with a value of '1' to represent the E-MTA and the remaining indices (if used) to represent the endpoints (as specified in [1]).

When the ifIndex is set to a value of '1', it represents a policy that MUST be applied to all the lines on an MTA.

A MTA MUST support access to this MIB Object via the ifIndex set to a value of '1' (i.e., per-device policy)."
REFERENCE "PacketCable 1.5 Device Provisioning Specification [1]"
INDEX { ifIndex }
::= { pktcEnNcsEndPntLVMgmtTable 1 }

-- ECL: alias changed from PktcEnNcsEndPntLVMgmtTableEntry due to warning 13
PktcEnNcsEndPntLVMgmtEntry ::= SEQUENCE {
  pktcEnNcsEndPntLVMgmtPolicy INTEGER,
  pktcEnNcsEndPntLVMgmtResetTimer Unsigned32,
  pktcEnNcsEndPntLVMgmtMaintTimer Unsigned32
}

pktcEnNcsEndPntLVMgmtPolicy OBJECT-TYPE
SYNTAX INTEGER {
  voltageAtAllTimes(1),
  voltageUnlessRFQAMAbsent(2),
  voltageBasedOnServiceOrTimers(3),
  voltageBasedOnService(4)
}
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This MIB Object allows the Service Provider to choose a suitable policy for Loop Voltage behavior on MTAs.

Unless overridden by the operator, the MTA MUST use the default value specified in the definition of this MIB Object.

The MTA MUST adhere to PacketCable signaling requirements, such as the NCS open loop voltage requirement, irrespective of any chosen policy.

For MTAs that need to remove loop voltage during the MTA initialization phase, in contradiction to a chosen policy, such a loop voltage removal period MUST NOT exceed 1000ms.

The MTA MUST retain the value of this MIB Object across hard reboots or soft resets (for a definition of the terms, please refer to [1]).

This MIB object specifies four policies.

Provisioned line is an MTA Endpoint that has been provided with valid per-line configuration data either via the configuration file (during provisioning) or the SNMP management interface.

When the MIB Object is set to a value of
When this MIB Object is set to a value of 'voltageAtAllTimes', - indicating Policy 1 - the MTA MUST maintain the loop idle voltage on all lines, irrespective of the line status.

When this MIB Object is set to a value of 'voltageUnlessRFQAMAbsent', - indicating Policy 2 - the MTA MUST apply loop idle voltage at all times except when it confirms the absence of any RF QAM carrier, following a complete scan of the spectrum (i.e., loop voltage is maintained during the scan). When the MTA detects the presence of any RF QAM carrier, it MUST apply the loop idle voltage. Additionally, the following conditions apply:
- during a hard reboot, this policy applies at all lines until the MTA is successfully provisioned (i.e., pktcMtaDevProvisioningState has a value other than 'inProgress')
- once the MTA is successfully provisioned (i.e., pktcMtaDevProvisioningState has a value of 'pass(1)', 'passWithWarnings(4)' or 'passWithIncompleteParsing(5)') then the policy applies to all provisioned lines
- upon the onset of a re-initialization due to a soft reset (via SNMP or RF conditions) the MTA MUST continue to maintain the existing policy and state on previously provisioned lines, unless overridden by a policy or the provisioning process specifies otherwise

This policy is similar to Policy 1, except for the ability to recognize events like cable cuts (due to malicious activities, or otherwise).

The following requirements apply to policies 3 and 4:
- upon the onset of a re-initialization due to a soft reset the MTA MUST continue to maintain the existing policy and state on provisioned lines, unless overridden by a policy or the provisioning process specifies otherwise
- once the provisioning process is completed with the value of the MIB Object pktcMtaDevProvisioningState set to a value of 'pass(1)', 'passWithWarnings(4)' or 'passWithIncompleteParsing(5)', the MTA MUST apply the chosen policy to all the provisioned lines

When this MIB Object is set to a value of 'voltageBasedOnServiceOrTimers', - indicating Policy 3 - the MTA MUST adhere to the requirements that follow at any given point in time:

- when the timer defined by pktcEnNcsEndPntLVMgmtResetTimer has a non-zero value, the MTA MUST apply loop idle voltage under all circumstances (similar to policy 1). Refer to the definition of the MIB Object for the persistence and timer requirements.

- when the timer defined by pktcEnNcsEndPntLVMgmtMaintTimer has a non-zero value, the MTA MUST maintain a line's loop idle voltage state that was in effect prior to the timer being set to a non-zero value. Refer to the definition of the MIB Object defining the timer for the persistence and timer requirements.

- When the timers defined by pktcEnNcsEndPntLVMgmtMaintTimer and
pktcEnNcsEndPntLVMgmtResetTimer have expired (both have a value of zero), then:
= the MTA MUST apply loop voltage if the provisioning process is completed with the value of pktcMtaDevProvisioningState set to a value of than 'pass(1)', 'passWithWarnings(4)' or 'passWithIncompleteParsing(5)'
= During a T4 timeout (note: the timers have expired), the E-MTA MUST remove loop idle voltage on all lines

- When both the timers are active (i.e., they both have non-zero values), then the timer defined by the MIB Object pktcEnNcsEndPntLVMgmtMaintTimer takes precedence
- if none of the above cases apply, the MTA MUST remove loop idle voltage on all lines

When the MIB Object is set to a value of 'voltageBasedOnService', - indicating Policy 4 - the following conditions apply at any given point in time:

- the MTA MUST apply loop idle voltage to all the provisioned lines if the value of the MIB Object 'pktcMtaDevProvisioningState' is set to a value of 'pass(1)', 'passWithWarnings(4)' or 'passWithIncompleteParsing(5)'

- in all other cases, the MTA MUST remove loop idle voltage on all lines.

REFERENCE "PacketCable 1.5 Device Provisioning specification [1]"
DEFVAL { voltageBasedOnService }
-- ECL: row name changed from PktcEnNcsEndPntLVMgmtTableEntry due to warning 13
::= { pktcEnNcsEndPntLVMgmtEntry 1 }

pktcEnNcsEndPntLVMgmtResetTimer OBJECT-TYPE
SYNTAX     Unsigned32 (0..1440)
UNITS      "minutes"
MAX-ACCESS read-write
STATUS     current
DESCRIPTION "This MIB Object specifies the time duration allowed for an MTA to successfully provision and is only applicable when the MIB Object pktcEnNcsEndPntLVMgmtPolicy is set to a value of 'voltageBasedOnServiceOrTimers'. In all other cases, the MTA MUST:
- return a value of '0' upon any retrieval requests
- return an error of 'inconsistentValue' upon any modification requests

The value contained by this MIB Object is a countdown timer and the MTA MUST start counting down the configured value only upon a hard reboot, a soft reset or a T4 timeout. Once this timer has reached a value of zero, the MTA MUST retain the value (of zero) until successfully configured otherwise. The MTA MUST use a change in the value of this MIB Object only on the next hard reboot, soft reset or T4 timeout.

The MTA MUST persist the last configured value (i.e., not the countdown value) of this MIB Object across hard reboots and soft resets.

Refer to the MIB Object pktcEnNcsEndPntLVMgmtPolicy for usage within 'voltageBasedOnServiceOrTimers'."
DEFVAL { 5 }
-- ECL: row name changed from PktcEnNcsEndPntLVMgmtTableEntry due to warning 13
pktcEnNcsEndPntLVMgmtMaintTimer OBJECT-TYPE
SYNTAX  Unsigned32 (0..1440)
UNITS   "minutes"
MAX-ACCESS read-write
STATUS   current
DESCRIPTION
"This MIB Object allows the operator to specify the time that loop voltage condition will be maintained, irrespective of the changes to the MTA. It is only applicable when the MIB Object pktcEnNcsEndPntLVMgmtPolicy is set to a value of 'voltageBasedOnServiceOrTimers'. In all other cases, the MTA MUST:
- return a value of '0' upon any retrieval requests
- return an error of 'inconsistentValue' upon any modification requests

The value contained in this MIB Object is a countdown timer and the MTA MUST start counting down the value immediately after a successful configuration to a non-zero value. Once this timer has reached a value of zero, the MTA MUST retain the value (of zero) until successfully configured otherwise.

The MTA MUST retain the value of this MIB Object (i.e., the countdown value) across soft resets. The MTA MUST reset the value of this MIB Object (to its default value) during a hard reboot of the MTA.

Refer to the MIB Object pktcEnNcsEndPntLVMgmtPolicy for information about applicability and usage."
DEFVAL { 0 }
-- ECL: row name changed from PktcEnNcsEndPntLVMgmtTableEntry due to warning 13
::={ pktcEnNcsEndPntLVMgmtEntry 3 }

-- Compliance statements
--
pktcEnSigBasicCompliance  MODULE-COMPLIANCE
STATUS   current
DESCRIPTION
"The compliance statement for devices that implement PacketCable defined Signaling on an MTA."

MODULE  -- PKTC-ECL-EN-SIG-MIB

--
-- Mandatory groups
--
MANDATORY-GROUPS { pktcEnSigGroup }
-- Conformance group for common Signaling.

pktcEnSigGroup OBJECT-GROUP
 OBJECTS {
   pktcEnNcsMinimumDtmfPlayout
 }
 STATUS current
 DESCRIPTION
   "Enhanced group of objects for the common portion of the PacketCable Signaling MIB."
 ::= { pktcEnSigGroups 1 }

-- Conformance group for NCS Signaling.

pktcEnNcsGroup OBJECT-GROUP
 OBJECTS {
   pktcEnNcsEndPntQuarantineState,
   pktcEnNcsEndPntHookState,
   pktcEnNcsEndPntFaxDetection,
   pktcEnNcsEndPntFgnPotSupport,
   pktcEnNcsEndPntFgnPotDescr,
   pktcEnNcsEndPntClrFgnPotTsts,
   pktcEnNcsEndPntRunFgnPotTsts,
   pktcEnNcsEndPntFgnTestValidity,
   pktcEnNcsEndPntFgnTestResults
 }
 STATUS current
 DESCRIPTION
   "Enhanced group of objects for the NCS portion of the PacketCable Signaling MIB. This is mandatory for NCS signaling support."
 ::= { pktcEnSigGroups 2 }

-- Conformance group for Loop Voltage Management

pktcEnNcsLVMgmtGroup OBJECT-GROUP
 OBJECTS {
   pktcEnNcsEndPntLVMgmtPolicy,
   pktcEnNcsEndPntLVMgmtResetTimer,
   pktcEnNcsEndPntLVMgmtMaintTimer
 }
 STATUS current
 DESCRIPTION
   "Enhanced group of objects for the loop voltage Management of PacketCable MTAs based on Signaling and configured policies."
 ::= { pktcEnSigGroups 3 }

pktcEnNcsDeprecatedGroup OBJECT-GROUP
 OBJECTS {
   pktcEnNcsEndPntStatusReportCtrl
 }
 STATUS deprecated
 DESCRIPTION
   "This contains a list of deprecated Extension Signaling MIB Objects."
 ::= { pktcEnSigGroups 4 }

END