



## 通知 MIB

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CISCO-EPM-NOTIFICATION-MIB は、アラートが発生したときに IP Communications Operations Manager (Operations Manager) が SNMP トラップを生成するために使用するトラップメッセージの形式を指定します。トラップには、アラートのアトリビュートとそのアラートの原因となったイベントが含まれます。

ここでは、次の情報を示します。

- [MIB 定義 \(P.C-2\)](#)
- [cenAlarmEntry オブジェクト タイプ : 選択されたアトリビュートの定義 \(P.C-16\)](#)
- [cenUserMessage1 オブジェクト タイプ : パーティション情報付きのアトリビュート \(P.C-17\)](#)

**MIB 定義**

```
CISCO-EPM-NOTIFICATION-MIB DEFINITIONS ::= BEGIN
```

```
IMPORTS
```

```

MODULE-IDENTITY,
NOTIFICATION-TYPE,
Integer32,
Unsigned32,
OBJECT-TYPE          FROM SNMPv2-SMI
MODULE-COMPLIANCE,
NOTIFICATION-GROUP,
OBJECT-GROUP         FROM SNMPv2-CONF
TimeStamp            FROM SNMPv2-TC
SnmpAdminString      FROM SNMP-FRAMEWORK-MIB
InetAddressType,
InetAddress          FROM INET-ADDRESS-MIB
ciscoMgmt            FROM CISCO-SMI
;

```

```
ciscoEpmNotificationMIB MODULE-IDENTITY
```

```

LAST-UPDATED "200406070000Z"
ORGANIZATION "Cisco Systems, Inc."
CONTACT-INFO "Cisco Systems
              Customer Service

```

```

              Postal: 170 W Tasman Drive
              San Jose, CA 95134

```

```

              Tel: +1 800 553-NETS

```

```

              E-mail: tac@cisco.com"

```

```
DESCRIPTION
```

"Notifications directly from hardware and software and processed notifications from various management applications can be further processed and forwarded by still other management applications to indicate the status of devices and software (managed objects). The status of these managed objects can be reported by traps.

The CISCO-EPM-NOTIFICATION-MIB contains the trap structure which carries the identity and status info of the managed object as analyzed by such an event processor. It is not possible for receivers of these traps to query the mib objects.

A unique but optional feature of the application generating the trap defined in this mib is the ability to contain multiple partitions in the same system running the application. A 'Partition' is a logical grouping of a set of managed devices. These devices can belong to only one partition at any given time. The trap structure will contain information on the exact partition number and the partition name of the device where it resides.

The need for trap generation is to enable multiple management applications in the network to have a consolidated view of the whole network of Cisco and non-Cisco devices."

```
REVISION "200406070000Z"
```

```
DESCRIPTION
```

"Updated the cenAlarmEntry to include new attributes. The new attributes carries information that adds more value to the already existing trap structure.

The Management application computes events for a device via polling snmp mib objects on the device and/or by listening to SNMP Traps. Multiple events on a single device roll up into what is called an Alert - there can be only one alert for a given device at any given time. The objects contained in the cenAlarmEntry are the same for both Alert and Event based

notification. The attribute cenAlarmMode added in this revision of the mib can be used to distinguish between the Alert based and event based notification.

In case of event based notification, the cenAlertID would contain the alert id, as computed by the management system, to which the generated event has been rolled up.

Traps generated from systems that support mutiple Partition, the cenPartitionNumber and cenPartitionName attributes will carry the exact partition details of the device for which the trap is generated.

Through the management application user interface, the user can customize few attributes of the trap structure. Two attributes included in this mib revision that allows the user to customize each trap sent out are cenCustomerIdentification and cenCustomerRevision.

ciscoEpmNotificationObjectsGroup, ciscoEpmNotificationAlarm, and ciscoEpmNotificationMIBCompliance have been deprecated in this revision.

ciscoEpmNotificationAlarmRev1, ciscoEpmNotificationAlarmGroupRev1, ciscoEpmNotificationMIBComplianceRev1, and ciscoEpmNotificationObjectsGroupRev1 have been newly created in this revision."

```
REVISION      "200308210000Z"
DESCRIPTION
"Included imports for Integer32, Unsigned32, and
NOTIFICATION-GROUP."
```

```
REVISION      "200207281420Z"
DESCRIPTION
"Initial version of this MIB."
 ::= { ciscoMgmt 311 }
```

```
-- MIB Object Definitions
```

```
ciscoEpmNotificationMIBNotifs OBJECT IDENTIFIER
 ::= { ciscoEpmNotificationMIB 0 }
ciscoEpmNotificationMIBObjects OBJECT IDENTIFIER
 ::= { ciscoEpmNotificationMIB 1 }
ciscoEpmNotificationMIBConform OBJECT IDENTIFIER
 ::= { ciscoEpmNotificationMIB 2 }

cenAlarmData OBJECT IDENTIFIER
 ::= { ciscoEpmNotificationMIBObjects 1}

cenAlarmTableMaxLength OBJECT-TYPE
 SYNTAX      Unsigned32 ( 1..4294967295 )
 MAX-ACCESS  read-write
 STATUS      current
 DESCRIPTION
 "Maximum number of entries permissible in the cenAlarmTable."
 DEFVAL { 1 }
 ::= { cenAlarmData 1 }

cenAlarmTable OBJECT-TYPE
 SYNTAX      SEQUENCE OF CenAlarmEntry
 MAX-ACCESS  not-accessible
 STATUS      current
 DESCRIPTION
 "A table containing the device identification and
 alarm value. The maximum number of entries permissible
 in this table is defined by cenAlarmTableMaxLength. When
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the number of entries in the table reaches the maximum
limit, the next entry would replace the oldest existing
entry in the table."
 ::= { cenAlarmData 2 }

```

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cenAlarmEntry      OBJECT-TYPE
    SYNTAX          CenAlarmEntry
    MAX-ACCESS      not-accessible
    STATUS          current
    DESCRIPTION     "The information regarding a single device status alarm.
    An entry is created when an alarm is processed."
    INDEX           { cenAlarmIndex }
    ::= { cenAlarmTable 1 }

CenAlarmEntry ::=
    SEQUENCE {
        cenAlarmIndex          Unsigned32,
        cenAlarmVersion        SnmpAdminString,
        cenAlarmTimestamp      TimeStamp,
        cenAlarmUpdatedTimestamp TimeStamp,
        cenAlarmInstanceID     SnmpAdminString,
        cenAlarmStatus         Integer32,
        cenAlarmStatusDefinition SnmpAdminString,
        cenAlarmType           INTEGER,
        cenAlarmCategory       Integer32,
        cenAlarmCategoryDefinition SnmpAdminString,
        cenAlarmServerAddressType InetAddressType,
        cenAlarmServerAddress   InetAddress,
        cenAlarmManagedObjectClass SnmpAdminString,
        cenAlarmManagedObjectAddressType InetAddressType,
        cenAlarmManagedObjectAddress   InetAddress,
        cenAlarmDescription     OCTET STRING,
        cenAlarmSeverity        Integer32,
        cenAlarmSeverityDefinition SnmpAdminString,
        cenAlarmTriageValue     Integer32,
        cenEventIDList          OCTET STRING,
        cenUserMessage1        SnmpAdminString,
        cenUserMessage2        SnmpAdminString,
        cenUserMessage3        SnmpAdminString,
        cenAlarmMode           INTEGER,
        cenPartitionNumber     Unsigned32,
        cenPartitionName       SnmpAdminString,
        cenCustomerIdentification SnmpAdminString,
        cenCustomerRevision    SnmpAdminString,
        cenAlertID             SnmpAdminString
    }

-- Alarm attributes

cenAlarmIndex      OBJECT-TYPE
    SYNTAX          Unsigned32 (1..4294967295)
    MAX-ACCESS      not-accessible
    STATUS          current
    DESCRIPTION     "A monotonically increasing integer for the sole
    purpose of indexing the attributes in
    ciscoEpmNotificationMIBObjects. When the maximum value is
    reached, this value wraps back to 1."
    ::= { cenAlarmEntry 1 }

cenAlarmVersion    OBJECT-TYPE
    SYNTAX          SnmpAdminString (SIZE(1..16))
    MAX-ACCESS      read-only
    STATUS          current
    DESCRIPTION     "The release version of this MIB. The version string will
    be of the form <major version>.<minorversion>."
    ::= { cenAlarmEntry 2 }

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cenAlarmTimestamp      OBJECT-TYPE
    SYNTAX               TimeStamp
    MAX-ACCESS           read-only
    STATUS                current
    DESCRIPTION
        "The time when the alarm was raised."
    ::= { cenAlarmEntry 3 }

cenAlarmUpdatedTimestamp OBJECT-TYPE
    SYNTAX               TimeStamp
    MAX-ACCESS           read-only
    STATUS                current
    DESCRIPTION
        "Alarms persist over time and can have their field(s)
        change values. The last time a field(s) changed, this
        alarm is updated. The updated time denotes this time.
        Each alarm is identified by the unique alarm instance
        id, cenAlarmInstanceID."
    ::= { cenAlarmEntry 4 }

cenAlarmInstanceID    OBJECT-TYPE
    SYNTAX               SnmpAdminString (SIZE(1..20))
    MAX-ACCESS           read-only
    STATUS                current
    DESCRIPTION
        "The Unique Alarm Instance ID."
    ::= { cenAlarmEntry 5 }

cenAlarmStatus         OBJECT-TYPE
    SYNTAX               Integer32 (1..250)
    MAX-ACCESS           read-only
    STATUS                current
    DESCRIPTION
        "The alarm status indicates the status of the alarm
        in integer value."
    ::= { cenAlarmEntry 6 }

cenAlarmStatusDefinition OBJECT-TYPE
    SYNTAX               SnmpAdminString (SIZE(1..255))
    MAX-ACCESS           read-only
    STATUS                current
    DESCRIPTION
        "The short description of the status of the alarm.
        The string is formatted in
        '<integer>,<alarmStatus description>' tuples. The <integer>
        value is the same value that the 'cenAlarmStatus'
        attribute holds. <alarmStatus description> contains one line
        description of the alarm status generated."
    ::= { cenAlarmEntry 7 }

cenAlarmType           OBJECT-TYPE
    SYNTAX               INTEGER {
        unknown(1),
        direct(2),
        indirect(3),
        mixed(4)
    }
    MAX-ACCESS           read-only
    STATUS                current
    DESCRIPTION
        "unknown:  When the value for this attribute could not be
        determined.

        direct:   Denotes an alarm generated by a set of events where
        all events are reported by an observation(s) of a
        managed object.

        indirect: Denotes an alarm generated by a set of events where
        all events were deduced or inferred by the status of
        managed objects as determined by the network"

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management system.
mixed: Denotes an alarm generated by a set of events which
       were either direct or indirect."
 ::= { cenAlarmEntry 8 }

cenAlarmCategory          OBJECT-TYPE
    SYNTAX                 Integer32 (1..250)
    MAX-ACCESS             read-only
    STATUS                 current
    DESCRIPTION
        "The category of the alarm generated represented in
        integer value."
    ::= { cenAlarmEntry 9 }

cenAlarmCategoryDefinition OBJECT-TYPE
    SYNTAX                 SnmpAdminString (SIZE(1..255))
    MAX-ACCESS             read-only
    STATUS                 current
    DESCRIPTION
        "The short description of the category of the alarm
        generated. The String is formatted in
        '<integer>,<alarmCategory description>' tuples. The <integer>
        value is the same value that the 'cenAlarmCategory'
        attribute holds. <alarmCategory description> contains one
        line description of the alarm category generated."
    ::= { cenAlarmEntry 10 }

cenAlarmServerAddressType OBJECT-TYPE
    SYNTAX                 InetAddressType
    MAX-ACCESS             read-only
    STATUS                 current
    DESCRIPTION
        "The type of Internet address by which the server
        is reachable. The Server is the server
        that is generating this trap."
    ::= { cenAlarmEntry 11 }

cenAlarmServerAddress     OBJECT-TYPE
    SYNTAX                 InetAddress
    MAX-ACCESS             read-only
    STATUS                 current
    DESCRIPTION
        "The IP Address or the DNS name of the Management
        Server that raised this alarm to be notified."
    ::= { cenAlarmEntry 12 }

cenAlarmManagedObjectClass OBJECT-TYPE
    SYNTAX                 SnmpAdminString (SIZE(1..255))
    MAX-ACCESS             read-only
    STATUS                 current
    DESCRIPTION
        "The class of the managed object for which this
        alarm was generated. For example, Router, Switch,
        GateKeeper and VoicePort."
    ::= { cenAlarmEntry 13 }

cenAlarmManagedObjectAddressType OBJECT-TYPE
    SYNTAX                 InetAddressType
    MAX-ACCESS             read-only
    STATUS                 current
    DESCRIPTION
        "The type of Internet address by which the managed
        object is reachable."
    ::= { cenAlarmEntry 14 }

cenAlarmManagedObjectAddress OBJECT-TYPE
    SYNTAX                 InetAddress
    MAX-ACCESS             read-only
    STATUS                 current

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DESCRIPTION
"The IP Address or the DNS name of the Managed Object."
 ::= { cenAlarmEntry 15 }

cenAlarmDescription          OBJECT-TYPE
SYNTAX                      OCTET STRING (SIZE(1..1024))
MAX-ACCESS                  read-only
STATUS                      current
DESCRIPTION
"A detailed description of the alarm."
 ::= { cenAlarmEntry 16 }

cenAlarmSeverity            OBJECT-TYPE
SYNTAX                      Integer32 (0..100)
MAX-ACCESS                  read-only
STATUS                      current
DESCRIPTION
"The alarm severity indicates the severity of the alarm
in integer value."
 ::= { cenAlarmEntry 17 }

cenAlarmSeverityDefinition  OBJECT-TYPE
SYNTAX                      SnmpAdminString (SIZE(1..255))
MAX-ACCESS                  read-only
STATUS                      current
DESCRIPTION
"The short description of the severity of the alarm
generated. The String is formatted in
'<integer>,<alarmSeverity description>' tuples. The <integer>
value is the same value that the 'cenAlarmSeverity '
attribute holds. <alarmSeverity description> contains one line
description of the alarm severity generated."
 ::= { cenAlarmEntry 18 }

cenAlarmTriageValue        OBJECT-TYPE
SYNTAX                      Integer32(0..100)
MAX-ACCESS                  read-only
STATUS                      current
DESCRIPTION
"The triage value of an alarm is a hierarchical weighting value
(applied by the application, and more importantly customizable
by the end user) to allow an artificial form of evaluating
impact, interest, or other user-determined functions between
alarms. The value is a positive number or zero where zero
denotes an undetermined or uncomputable value."
 ::= { cenAlarmEntry 19 }

cenEventIDList             OBJECT-TYPE
SYNTAX                      OCTET STRING (SIZE(1..1024))
MAX-ACCESS                  read-only
STATUS                      current
DESCRIPTION
"Comma separated list of the Unique Event identifiers
that led to the generation of this Alarm."
 ::= { cenAlarmEntry 20 }

cenUserMessage1           OBJECT-TYPE
SYNTAX                      SnmpAdminString (SIZE(1..255))
MAX-ACCESS                  read-only
STATUS                      current
DESCRIPTION
"User input message. This value can be configured."
 ::= { cenAlarmEntry 21 }

cenUserMessage2           OBJECT-TYPE
SYNTAX                      SnmpAdminString (SIZE(1..255))
MAX-ACCESS                  read-only
STATUS                      current
DESCRIPTION

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        "User input message. This value can be configured."
        ::= { cenAlarmEntry 22 }

cenUserMessage3          OBJECT-TYPE
    SYNTAX                SnmpAdminString (SIZE(1..255))
    MAX-ACCESS            read-only
    STATUS                current
    DESCRIPTION
        "User input message. This value can be configured."
        ::= { cenAlarmEntry 23 }

cenAlarmMode             OBJECT-TYPE
    SYNTAX                INTEGER {
        unknown(1),
        alert(2),
        event(3)
    }
    MAX-ACCESS            read-only
    STATUS                current
    DESCRIPTION
        "unknown:  When the value for this attribute could not be
        determined.

        alert:    Denotes an alarm generated by a set of events where
        all events are reported by polling of managed
        objects and/or listening to SNMP notifications.

        event:    Denotes an event generated by polling of managed
        objects and/or listening to SNMP notifications."
        ::= { cenAlarmEntry 24 }

cenPartitionNumber      OBJECT-TYPE
    SYNTAX                Unsigned32(0..100)
    MAX-ACCESS            read-only
    STATUS                current
    DESCRIPTION
        "In traps generated by the management application that support
        multiple partitions, the attribute will carry the integer
        value assigned to identify the logical group where the managed
        device resides."
        ::= { cenAlarmEntry 25 }

cenPartitionName        OBJECT-TYPE
    SYNTAX                SnmpAdminString (SIZE(1..255))
    MAX-ACCESS            read-only
    STATUS                current
    DESCRIPTION
        "In traps generated by the management application that support
        multiple partitions, the attribute will carry the name
        assigned to identify the logical group where the managed
        device resides."
        ::= { cenAlarmEntry 26 }

cenCustomerIdentification OBJECT-TYPE
    SYNTAX                SnmpAdminString (SIZE(1..255))
    MAX-ACCESS            read-only
    STATUS                current
    DESCRIPTION
        "User input message. The attribute takes in a free format
        text. This attribute can be used by advanced management
        applications to sort responses from the fault management
        server."
        ::= { cenAlarmEntry 27 }

cenCustomerRevision     OBJECT-TYPE
    SYNTAX                SnmpAdminString (SIZE(1..255))
    MAX-ACCESS            read-only
    STATUS                current
    DESCRIPTION
        "User input message. The attribute takes in a free format
        text. This attribute can be used by advanced management

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        applications to sort responses from the fault management
        server."
        ::= { cenAlarmEntry 28 }

cenAlertID      OBJECT-TYPE
    SYNTAX      SnmpAdminString (SIZE(1..20))
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "In event based notification, this attribute will contain the
        alert id to which the generated event has been rolled up
        to. In alert based notification, the cenAlarmInstanceId and
        cenAlertID would be identical."
        ::= { cenAlarmEntry 29 }

ciscoEpmNotificationAlarm  NOTIFICATION-TYPE
    OBJECTS {
        cenAlarmVersion,
        cenAlarmTimestamp,
        cenAlarmUpdatedTimestamp,
        cenAlarmInstanceId,
        cenAlarmStatus,
        cenAlarmStatusDefinition,
        cenAlarmType,
        cenAlarmCategory,
        cenAlarmCategoryDefinition,
        cenAlarmServerAddressType,
        cenAlarmServerAddress,
        cenAlarmManagedObjectClass,
        cenAlarmManagedObjectAddressType,
        cenAlarmManagedObjectAddress,
        cenAlarmDescription,
        cenAlarmSeverity,
        cenAlarmSeverityDefinition,
        cenAlarmTriageValue,
        cenEventIDList,
        cenUserMessage1,
        cenUserMessage2,
        cenUserMessage3
    }
    STATUS      deprecated
    DESCRIPTION
        "Notification of the status of the managed object as
        generated by the management server.

        New attributes are added to the ciscoEpmNotificationAlarmRev1.
        Hence this notification is deprecated."
        ::= { ciscoEpmNotificationMIBNotifs 1 }

ciscoEpmNotificationAlarmRev1  NOTIFICATION-TYPE
    OBJECTS {
        cenAlarmVersion,
        cenAlarmTimestamp,
        cenAlarmUpdatedTimestamp,
        cenAlarmInstanceId,
        cenAlarmStatus,
        cenAlarmStatusDefinition,
        cenAlarmType,
        cenAlarmCategory,
        cenAlarmCategoryDefinition,
        cenAlarmServerAddressType,
        cenAlarmServerAddress,
        cenAlarmManagedObjectClass,
        cenAlarmManagedObjectAddressType,
        cenAlarmManagedObjectAddress,
        cenAlarmDescription,
        cenAlarmSeverity,
        cenAlarmSeverityDefinition,
        cenAlarmTriageValue,
    }

```

```

        cenEventIDList,
        cenUserMessage1,
        cenUserMessage2,
        cenUserMessage3,
        cenAlarmMode,
        cenPartitionNumber,
        cenPartitionName,
        cenCustomerIdentification,
        cenCustomerRevision,
        cenAlertID
    }
    STATUS          current
    DESCRIPTION
    "Notification of the status of the managed object as
    generated by the management server."
    ::= { ciscoEpmNotificationMIBNotifs 2 }

-- Conformance information

ciscoEpmNotificationMIBCompliances OBJECT IDENTIFIER
    ::= { ciscoEpmNotificationMIBConform 1 }
ciscoEpmNotificationMIBGroups OBJECT IDENTIFIER
    ::= { ciscoEpmNotificationMIBConform 2 }
-- Compliance

ciscoEpmNotificationMIBCompliance MODULE-COMPLIANCE
    STATUS deprecated
    DESCRIPTION
    "The compliance statement for entities which
    implement the CISCO-EPM-NOTIFICATION-MIB.

    New attributes are included in
    ciscoEpmNotificationMIBComplianceRev1. Hence this object is
    deprecated."
    MODULE -- this module
    MANDATORY-GROUPS {
        ciscoEpmNotificationObjectsGroup,
        ciscoEpmNotificationAlarmGroup
    }

    GROUP          ciscoEpmAlarmConfigGroup
    DESCRIPTION
    "This group is optional."

    OBJECT cenAlarmTableMaxLength
    MIN-ACCESS read-only
    DESCRIPTION
    "Write access is not required."

    OBJECT cenAlarmVersion
    MIN-ACCESS accessible-for-notify
    DESCRIPTION
    "Read access is not required."

    OBJECT cenAlarmTimestamp
    MIN-ACCESS accessible-for-notify
    DESCRIPTION
    "Read access is not required."

    OBJECT cenAlarmUpdatedTimestamp
    MIN-ACCESS accessible-for-notify
    DESCRIPTION
    "Read access is not required."

    OBJECT cenAlarmInstanceID
    MIN-ACCESS accessible-for-notify
    DESCRIPTION

```

```
"Read access is not required."

OBJECT cenAlarmStatus
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmStatusDefinition
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmType
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmCategory
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmCategoryDefinition
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmServerAddressType
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmServerAddress
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmManagedObjectClass
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmManagedObjectAddressType
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmManagedObjectAddress
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmDescription
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmSeverity
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmSeverityDefinition
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmTriageValue
MIN-ACCESS accessible-for-notify
```

```

DESCRIPTION
    "Read access is not required."

OBJECT cenEventIDList
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenUserMessage1
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenUserMessage2
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenUserMessage3
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."
 ::= { ciscoEpmNotificationMIBCompliances 1 }

ciscoEpmNotificationMIBComplianceRev1 MODULE-COMPLIANCE
STATUS current
DESCRIPTION
"The compliance statement for entities which
implement the CISCO-EPM-NOTIFICATION-MIB."
MODULE -- this module
MANDATORY-GROUPS {
    ciscoEpmNotificationObjectsGroupRev1,
    ciscoEpmNotificationAlarmGroupRev1
}

GROUP      ciscoEpmAlarmConfigGroup
DESCRIPTION
"This group is optional."

OBJECT cenAlarmTableMaxLength
MIN-ACCESS read-only
DESCRIPTION
"Write access is not required."

OBJECT cenAlarmVersion
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmTimestamp
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmUpdatedTimestamp
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmInstanceID
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmStatus
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

```

```
OBJECT cenAlarmStatusDefinition
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmType
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmCategory
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmCategoryDefinition
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmServerAddressType
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmServerAddress
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmManagedObjectClass
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmManagedObjectAddressType
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmManagedObjectAddress
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmDescription
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmSeverity
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmSeverityDefinition
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmTriageValue
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenEventIDList
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."
```

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OBJECT cenUserMessage1
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenUserMessage2
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenUserMessage3
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlarmMode
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenPartitionNumber
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenPartitionName
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenCustomerIdentification
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenCustomerRevision
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

OBJECT cenAlertID
MIN-ACCESS accessible-for-notify
DESCRIPTION
    "Read access is not required."

 ::= { ciscoEpmNotificationMIBCompliance 2 }

-- Units of Conformance

ciscoEpmNotificationAlarmGroup NOTIFICATION-GROUP
    NOTIFICATIONS {
        ciscoEpmNotificationAlarm
    }
    STATUS      deprecated
    DESCRIPTION
    "The collection of notifications used to indicate managed
    object status.

    ciscoEpmNotificationAlarmGroupRev1 is defined. Hence this
    object is deprecated."
    ::= { ciscoEpmNotificationMIBGroups 1 }

ciscoEpmNotificationObjectsGroup OBJECT-GROUP
    OBJECTS {
        cenAlarmVersion,
        cenAlarmTimestamp,
        cenAlarmUpdatedTimestamp,
        cenAlarmInstanceID,

```

```

        cenAlarmStatus,
        cenAlarmStatusDefinition,
        cenAlarmType,
        cenAlarmCategory,
        cenAlarmCategoryDefinition,
        cenAlarmServerAddressType,
        cenAlarmServerAddress,
        cenAlarmManagedObjectClass,
        cenAlarmManagedObjectAddressType,
        cenAlarmManagedObjectAddress,
        cenAlarmDescription,
        cenAlarmSeverity,
        cenAlarmSeverityDefinition,
        cenAlarmTriageValue,
        cenEventIDList,
        cenUserMessage1,
        cenUserMessage2,
        cenUserMessage3
    }
    STATUS      deprecated
    DESCRIPTION
    "Trap reflecting the alarm.

    New attributes are added to the new notification
    ciscoEpmNotificationObjectsGroupRev1. Hence
    this object is deprecated."
    ::= { ciscoEpmNotificationMIBGroups 2 }

ciscoEpmAlarmConfigGroup OBJECT-GROUP
    OBJECTS { cenAlarmTableMaxLength }
    STATUS      current
    DESCRIPTION
    "A collection of objects providing information
    about the total number of cenAlarmTable entries
    maintained."
    ::= { ciscoEpmNotificationMIBGroups 3 }

ciscoEpmNotificationAlarmGroupRev1 NOTIFICATION-GROUP
    NOTIFICATIONS {
        ciscoEpmNotificationAlarmRev1
    }
    STATUS      current
    DESCRIPTION
    "The collection of notifications used to indicate managed object
    status."
    ::= { ciscoEpmNotificationMIBGroups 4 }

ciscoEpmNotificationObjectsGroupRev1 OBJECT-GROUP
    OBJECTS {
        cenAlarmVersion,
        cenAlarmTimestamp,
        cenAlarmUpdatedTimestamp,
        cenAlarmInstanceID,
        cenAlarmStatus,
        cenAlarmStatusDefinition,
        cenAlarmType,
        cenAlarmCategory,
        cenAlarmCategoryDefinition,
        cenAlarmServerAddressType,
        cenAlarmServerAddress,
        cenAlarmManagedObjectClass,
        cenAlarmManagedObjectAddressType,
        cenAlarmManagedObjectAddress,
        cenAlarmDescription,
        cenAlarmSeverity,
        cenAlarmSeverityDefinition,
        cenAlarmTriageValue,
        cenEventIDList,
        cenUserMessage1,
    }

```

```

        cenUserMessage2,
        cenUserMessage3,
        cenAlarmMode,
        cenPartitionNumber,
        cenPartitionName,
        cenCustomerIdentification,
        cenCustomerRevision,
        cenAlertID
    }
    STATUS          current
    DESCRIPTION
    "Notification reflecting the alarm."
    ::= { ciscoEpmNotificationMIBGroups 5 }
END

```

### cenAlarmEntry オブジェクト タイプ : 選択されたアトリビュートの定義

表 C-1 に、アラート ステータス、カテゴリ、および重大度に関連するアトリビュートの値を示します。生成されたトラップを確認する場合に、この情報を参照すると役に立つ場合があります。

表 C-1 CenAlarmEntry : アラート ステータス、カテゴリ、および重大度


シーケンス 番号	アトリビュート	値
(6)	cenAlarmStatus	数字 : 1 ~ 3
(7)	cenAlarmStatusDefinition	文字列 : 数字 (cenAlarmStatus) および説明を含む 1-Acknowledged 2-Active 3-Cleared
		 <p>(注) アラート ステータスは状態によって変化します。状態は最初に Active で、ユーザがアラートに受信応答すると Acknowledged になり、最終的に Cleared になります。アラートの詳細については、第 3 章「Alerts and Events 画面の使用」を参照してください。</p>



表 C-1 CenAlarmEntry : アラートステータス、カテゴリ、および重大度 (続き)

シーケンス番号	アトリビュート	値
(9)	cenAlarmCategory	数字 : 0 ~ 9
(10)	cenAlarmCategoryDefinition	文字列 : 数字 (cenAlarmCategory) および説明を含む 0-Unknown 1-Application 2-Environment 3-Interface 4-Reachability 5-Connectivity 6-Utilization 7-System Hardware 8-Security 9-Other
(17)	cenAlarmSeverity	数字 : 1 ~ 3
(18)	cenAlarmSeverityDefinition	文字列 : 数字 (cenAlarmSeverity) および説明を含む 1-Informational 2-Warning 3-Critical

**cenUserMessage1 オブジェクトタイプ : パーティション情報付きのアトリビュート**

Operations Manager は、識別されたデバイスのパーティション番号とエイリアスを cenUserMessage1 オブジェクトタイプに格納します。パーティション番号とエイリアスはコロンで区切られます。たとえば、Partition 1: Enterprise1 のようになります。この情報は、現在は無関係です。

