```
--*****************************************************************************
-- Filename:    FDOT -standard Global MIB v01.MIB
-- Source:      NTCIP 1201:1996
--              NEMA TS 3.4-1996 Amendment 1
-- Description: This MIB defines the Global Object Definitions
-- MIB Revision History:
-- 01/01/98     Preliminary Release of TS 3.4 GLOBAL MIB formatted for 80
--              columns and no TABs
-- 07/08/98     Added Copyright Notice
-- 03/09/00     Renamed filename and updated copyright year
--              Reversed edits to accomodate SMIC Compiler
--              Reenabled OBJECT-TYPE import
--              Deleted SMI OBJECT-TYPE
--              Dropped EXPORTS
--              Corrected minor editorial errors in Amendment 1
--              Imported Gauge and referenced it correctly
-- 08/09/00     Modified header format and wording of copyright and MIB
--              Distribution Notice
-- 03/25/01     Deleted several object definitions not applicable to the FDOT
--              requirements.
--
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--2.1 NTCIP OBJECTS

--NTCIP OBJECTS
GLOBAL DEFINITIONS ::= BEGIN

--For the purpose of this section, the following OBJECT IDENTIFIERS are used:
IMPORTS
   OBJECT-TYPE
   FROM RFC-1212
   transportation
   FROM NEMA_SMI
   devices, protocols, profiles, DisplayString
   FROM TMIB-II
   Opaque, Counter, Gauge
   FROM RFC1155-SMI;


   global OBJECT IDENTIFIER ::= { devices 6 }

--2.2 GLOBAL CONFIGURATION NODE

globalConfiguration OBJECT IDENTIFIER
::= { global 1 }

--This node is an identifier used to group all objects for support of
-- configuration functions that are common to most device types.

--2.2.1 Global Set ID Parameter
--while optional and no specific Functional Requirement is associated with this
--object, it should be supported since it offers a convenient and quick method to
--check whether the database has been modified.

globalSetIDParameter OBJECT-TYPE
   SYNTAX  INTEGER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION "Specifies a relatively unique ID for all user-changable
   para meters of the particular device-type currently implemented in the
   device.  Often this ID is calculated using a CRC algorithm."
   ::= { globalConfiguration 1}

--2.2.2 Maximum Modules Parameter
-- The following objects are organized in the only MANDATORY Conformance Group within
-- the Global Object Definitions (NTCIP 1201) and must therefore be supported.

globalMaxModules   OBJECT-TYPE
   SYNTAX  INTEGER (0..255)
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
   "The number of rows that are listed in the Global Module Table."
   ::= { globalConfiguration 2 }

--2.2.3 Module Table

globalModuleTable   OBJECT-TYPE
   SYNTAX  SEQUENCE OF ModuleTableEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
   " A table containing information regarding manufacturer of software and
   hardware and the associated module models and version numbers as well as an
   indicator if the module is hardware or software related. The number of rows
   in this table shall equal the value of the globalMaxModule object."
   ::= { globalConfiguration 3 }

moduleTableEntry OBJECT-TYPE
```

```
   SYNTAX  ModuleTableEntry
   ACCESS  not-accessible
   STATUS  mandatory
   DESCRIPTION
   "This object defines an entry in the module table."
   INDEX { moduleNumber }
   ::= { globalModuleTable 1 }

ModuleTableEntry ::= SEQUENCE {
   moduleNumber            INTEGER,
   moduleDeviceNode        OBJECT IDENTIFIER,
   moduleMake              OCTET STRING,
   moduleModel             OCTET STRING,
   moduleVersion           OCTET STRING,
   moduleType              INTEGER }

--2.2.3.1 Module Number Parameter

moduleNumber OBJECT-TYPE
   SYNTAX  INTEGER (1..255)
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
   "This object contains the row number (1..255) within this table for the
   associated module."
   ::= { moduleTableEntry 1 }

--2.2.3.2 Module Device Node Parameter

moduleDeviceNode   OBJECT-TYPE
   SYNTAX  OBJECT IDENTIFIER
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
   "This object contains the device node number of the device-type."
   ::= { moduleTableEntry 2 }

--2.2.3.3 Module Make Parameter

moduleMake   OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
   "This object specifies the manufacturer of the associated module.  A null-
   string shall be transmitted if this object has no entry."
   ::= { moduleTableEntry 3 }

--2.2.3.4 Module Model Parameter

moduleModel  OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
   "This object specifies the model number (hardware) or firmware reference
   (software) of the associated module.  A null-string shall be transmitted if
   this object has no entry."
   ::= { moduleTableEntry 4 }

--2.2.3.5 Module Version Parameter

moduleVersion OBJECT-TYPE
   SYNTAX  OCTET STRING
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
   "This object specifies the version of the associated module.  A null-string
   shall be transmitted if this object has no entry."
   ::= { moduleTableEntry 5 }
```

```
--2.2.3.6 Module Type Parameter

moduleType  OBJECT-TYPE
   SYNTAX  INTEGER {
      other (1),
      hardware (2),
      software (3) }
   ACCESS  read-only
   STATUS  mandatory
   DESCRIPTION
   "This object specifies if the associated module is a hardware or software
   module."
   ::= { moduleTableEntry 6 }

--2.3 GLOBAL DATABASE MANAGEMENT NODE

--globalDBManagement OBJECT IDENTIFIER
--::= { global 2 }
-- Deleted the objects under the globalDBManagment node since
-- a.) its functionality is not specified in the functional requirements, and
-- b.) this mechanism is not being used by any DMS sign vendors.


--2.4 GLOBAL TIME MANAGEMENT NODE

globalTimeManagement   OBJECT IDENTIFIER
::= { global 3 }

-- This node is an identifier used to organize all objects for support of time-
-- related functions that are common to most device types.

--2.4.1 Global Time Parameter

globalTime  OBJECT-TYPE
SYNTAX  Counter
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
"The current time in seconds since the epoch of 00:00:00 (midnight) January 1,
1970 UTC (a.k.a Zulu)."
::= { globalTimeManagement 1 }

--2.4.2 Global Daylight Savings Parameter

globalDaylightSaving   OBJECT-TYPE
SYNTAX   INTEGER {  other (1),
                    disableDST (2),
                    enableUSDST (3) }
ACCESS  read-write
STATUS  mandatory
DESCRIPTION "This object specifies if the Daylight Savings Time (DST) is
enabled, disabled or some other form of daylight savings time is active.
         disableDST  - DST clock adjustments shall NOT occur.
         enableUSDST - DST clock adjustments shall occur. In accordance
                       with USA practice, DST shall begin the first Sunday in
                       April and shall end the last Sunday on October.  All
                       changes of time occur at 2:00AM."
REFERENCE
"NEMA TS 2  Clause 3.8.2"
--DEFVAL {3}  assumed
::= { globalTimeManagement 2 }

--2.4.3 TimeBase Event Scheduler Node
-- As indicated above, the support of a scheduler within the sign controller is not a
-- functional requirement. Thus, the Timebase Objects were omitted.


--2.4.5 Global Local Time Differential Parameter
--The following object is part of the Time Management Conformance Group and
--must be supported.
globalLocalTimeDifferential   OBJECT-TYPE
```

```
        SYNTAX  INTEGER (-43200..43200)
        ACCESS  read-write
        STATUS  mandatory
        DESCRIPTION
        "Indicates the number of seconds offset between local time and GMT.  Positive
        values indicate local times in the Eastern Hemisphere up to the International
        Date Line and negative values indicate local times in the Western Hemisphere
        back to the International Date Line.  If one of the daylight savings times is
        activated, this value will change automatically at the referenced time. For
        example, Central Standard Time (CST) is -21600 and Central Daylight Time (CDT)
        is -18000."
--DEFVAL {-18000}  assumed due to the PA's location at the east coast of the US
::= { globalTimeManagement 4 }


--2.5 REPORT PARAMETER NODE
--The report node contains the objects necessary to record events within the
--sign controller. These reports can be retrieved from the central system.

globalReport OBJECT IDENTIFIER
::= { global 4 }

-- This node is an identifier used to organize all objects for support of report
-- functions that are common to most device types.

--2.5.1 Maximum Event Log Configurations Parameter

maxEventLogConfigs   OBJECT-TYPE
SYNTAX  INTEGER (0..65535)
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
"The number of rows that exist in the static eventLogConfig table for this
device."
::= { globalReport 1 }

--2.5.2 Event Log Configuration Table

eventLogConfigTable   OBJECT-TYPE
SYNTAX  SEQUENCE OF EventLogConfigEntry
ACCESS  not-accessible
STATUS  mandatory
DESCRIPTION
"A table containing Event Log Configuration information. The number of rows in
this table is equal to the maxEventLogConfigs object."
::= { globalReport 2 }

eventLogConfigEntry OBJECT-TYPE
SYNTAX  EventLogConfigEntry
ACCESS  not-accessible
STATUS  mandatory
DESCRIPTION
"This object defines an entry in the event log configuration table."
INDEX { eventConfigID }
::= { eventLogConfigTable 1 }

EventLogConfigEntry ::= SEQUENCE {
    eventConfigID             INTEGER,
    eventConfigClass          INTEGER,
    eventConfigMode           INTEGER,
    eventConfigCompareValue   INTEGER,
    eventConfigCompareValue2  INTEGER,
    eventConfigCompareOID     OBJECT IDENTIFIER,
    eventConfigLogOID         OBJECT IDENTIFIER,
    eventConfigAction         INTEGER }

--2.5.2.1 Event Log Configuration ID Parameter

eventConfigID  OBJECT-TYPE
SYNTAX  INTEGER (1..65535)
ACCESS  read-only
```

```
STATUS  mandatory
DESCRIPTION
"This object contains the row number which is used to identify the event
associated with this row in the eventLogConfigTable.  The number of event IDs
shall not exceed the value indicated in the maxEventLogConfigs object.  The
value zero (0) is not allowed."
::= { eventLogConfigEntry 1 }

--2.5.2.2 Event Log Configuration Class Parameter

eventConfigClass OBJECT-TYPE
SYNTAX  INTEGER (1..255)
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
"This object contains the class value to assign to the event associated with
this row in the event configuration table.  This value is used in the event log
table to organize various events defined in this table into logical groupings."
::= { eventLogConfigEntry 2 }

--2.5.2.3 Event Log Configuration Mode Parameter

eventConfigMode OBJECT-TYPE
SYNTAX  INTEGER { other (1),
                  onChange (2),
                  greaterThanValue (3),
                  smallerThanValue (4),
                  hysteresisBound (5),
                  periodic (6) }
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
"This object specifies the mode of operation for this event.  All checks and
entries to the table must occur within one second of the condition becoming
true. The modes are defined as follows:
VALUE               DESCRIPTION
onChange            create a log entry when value referenced by the
                       eventTypeOID changes
greaterThanValue    create a log entry when the object value becomes greater
                    than the value referenced to by the eventCompareValue
                       object, if this value is exceeded for the amount of time
                    specified in the eventConfigCompareValue2 object (in tenth
                    of seconds) and this value is greater than zero (0). A
                       value of zero (0) for eventConfigCompareValue2 indicates
                    immediate logging.
smallerThanValue    create a log entry when the object value becomes less than
                       the value referenced to by the eventCompareValue object, if
                    this value is exceeded for the amount of time specified in
                       the eventConfigCompareValue2 object (in tenth of seconds)
                    and this value is greater than zero (0). A value of zero
                       (0) for eventConfigCompareValue2 indicates immediate
                          logging.
hysteresisBound     creates a log entry when the object value becomes either
                       less than the lowerbound value or greater than the
                    upperbound value.  The lowerbound value is the lower value
                       of the eventConfigCompareValue- and the
                    eventConfigCompareValue2-objects, the upperbound is the
                       other value.
 periodic                   create a log entry every x  seconds, where x is defined
                                by the value stored in eventConfigCompareValue.  The
                                values stored in eventConfigCompareValue2 and
                                eventConfigCompareOID are ignored in this mode."
::= { eventLogConfigEntry 3 }

--2.5.2.4 Event Log Configuration Compare Value Parameter

eventConfigCompareValue OBJECT-TYPE
SYNTAX  INTEGER
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
```

```
"This object contains the comparision value to use with eventConfigMode values
(greaterThanValue, smallerThanValue, hysteresisBound ).  No value within this
object is necessary when the eventConfigMode-object has the value onChange (2)."
::= { eventLogConfigEntry 4 }

--2.5.2.5 Event Log Configuration Compare Value 2 Parameter

eventConfigCompareValue2 OBJECT-TYPE
SYNTAX  INTEGER
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
        "If the eventConfigMode is set to hysteresisBound, this object specifies the
        second comparison value for the hysteresis.  If the eventConfigMode is set to
        greaterThanValue or smallerThanValue, this object specifies the time (in tenths
        of seconds) for which the comparison must be true prior to the event condition
        becoming true.  If the eventConfigMode is set to onChange or periodic, the value
        of this object shall be ignored."
::= { eventLogConfigEntry 5 }

--2.5.2.6 Event Log Configuration Compare Object Identifier Parameter

eventConfigCompareOID OBJECT-TYPE
SYNTAX  OBJECT IDENTIFIER
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
        "This object contains the object identifier which references the value against
        which the comparison is made.  If the eventConfigMode is set to periodic, the
        value of this object shall be ignored."
::= { eventLogConfigEntry 6 }

--2.5.2.7 Event Log Configuration Object Identifier Parameter

eventConfigLogOID OBJECT-TYPE
SYNTAX  OBJECT IDENTIFIER
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
"This object contains the object identifier which indicates what value to log
when a condition or event occurs (e.g., log the phase display when the watchdog
alarm status changes)."
::= { eventLogConfigEntry 7 }

--2.5.2.8 Event Log Configuration Action Parameter

eventConfigAction  OBJECT-TYPE
SYNTAX  INTEGER { other (1),
                  disabled (2),
                  log (3) }
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
"This value of this object indicates the action that will take place when the
event described in this row of the event configuration table occurs.
disabled  - no entry will be recorded due to this event.
log - an entry will be recorded in the event log table when this event occurs."
--DEFVAL {3}  assumed (if row is created/activated, it is supposed to
               --be written into)
::= { eventLogConfigEntry 8 }

--2.5.3 Maximum Event Log Size Parameter

maxEventLogSize   OBJECT-TYPE
SYNTAX  INTEGER (0..65535)
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
"The maximum, fixed number of rows that can be utilized within the Event Log
Table."
::= { globalReport 3 }
```

```
--2.5.4 Event Log Table

eventLogTable   OBJECT-TYPE
SYNTAX  SEQUENCE OF EventLogEntry
ACCESS  not-accessible
STATUS  mandatory
DESCRIPTION
"A table containing Event History data collected."
::= { globalReport 4 }

eventLogEntry OBJECT-TYPE
SYNTAX  EventLogEntry
ACCESS  not-accessible
STATUS  mandatory
DESCRIPTION
"This object defines an entry in the event log table"
INDEX { eventLogClass, eventLogNumber }
::= { eventLogTable 1 }

EventLogEntry ::= SEQUENCE {
    eventLogClass       INTEGER,
    eventLogNumber      INTEGER,
    eventLogID          INTEGER,
    eventLogTime        Counter,
    eventLogValue       Opaque }

--2.5.4.1 Event Log Class Parameter

eventLogClass OBJECT-TYPE
SYNTAX  INTEGER (0..255)
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
"This object contains the class of the associated event as defined in the
eventLogConfig Table."
::= { eventLogEntry 1 }

--2.5.4.2 Event Log Number Parameter

eventLogNumber OBJECT-TYPE
SYNTAX  INTEGER (1..255)
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
"The event number within this class for this event.  Event numbers shall be
assigned starting at 1 and shall increase to the value specified by the
associated eventClassLimit for the class associated with the rows.
Events shall maintain a chronological ordering in the table with the oldest
event of a class occupying the row with eventNumber = 1, and subsequent events
filling subsequent rows. This ordering shall be maintained when events are
cleared."
::= { eventLogEntry 2 }

--2.5.4.3 Event Log ID Parameter

eventLogID  OBJECT-TYPE
SYNTAX  INTEGER (0..65535)
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
"This object contains the event configuration ID (from the eventLogConfigTable)
that caused this table entry.  It indicates the row in the eventLogConfig table
reponsible for this event entry.  If this object is set to zero (0) then the
associated row (in the eventLogTable) is cleared and the following rows shall be
renumbered to maintain a sequential eventNumber sequence."
::= { eventLogEntry 3 }

--2.5.4.4 Event Log Time Parameter

eventLogTime OBJECT-TYPE
```

```
SYNTAX  Counter
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
"The time that the event occurred in seconds since the epoch of 00:00:00
(midnight) January 1, 1970 per the device's globalTime object.  If the device
does not have valid date and time information, then this shall be the time in
seconds since the device powered up."
::= { eventLogEntry 4 }

--2.5.4.5 Event Log Value Parameter

eventLogValue  OBJECT-TYPE
SYNTAX  Opaque
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
"The value of this object is set to the value referenced by the eventConfigLogOID of
the associated eventLogID when the event was logged.  Its length is variable."
::= { eventLogEntry 5 }


--2.5.5 Maximum Event Classes Parameter

maxEventClasses OBJECT-TYPE
SYNTAX  INTEGER (0..255)
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
"This object defines the maximum, fixed number of rows in the eventClassTable
that this device supports.  This places an upper limit on the number of classes
that may be defined for events in this device."
::= { globalReport 5 }

--2.5.6 Event Class Table

eventClassTable OBJECT-TYPE
SYNTAX  SEQUENCE OF EventClassEntry
ACCESS  not-accessible
STATUS  mandatory
DESCRIPTION
"This table is used to configure event logging limits and log table
maintenance."
::= { globalReport 6 }

eventClassEntry  OBJECT-TYPE
SYNTAX  EventClassEntry
ACCESS  not-accessible
STATUS  mandatory
DESCRIPTION
"This defines a row in the Event Class Table."
INDEX { eventClassNumber }
::= { eventClassTable 1 }

EventClassEntry ::= SEQUENCE {
    eventClassNumber        INTEGER,
    eventClassLimit         INTEGER,
    eventClassClearTime     Counter,
    eventClassDescription   OCTET STRING,
    eventClassNumRowsInLog  INTEGER }

--2.5.6.1 Event Class Number Parameter

eventClassNumber OBJECT-TYPE
SYNTAX  INTEGER (1..255)
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
"This is a class value that is to be configured."
::= { eventClassEntry 1 }
```

```
--2.5.6.2 Event Class Limit Parameter

eventClassLimit OBJECT-TYPE
SYNTAX  INTEGER (0..255)
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
"This object specifies the maximum number of events of the associated class to
store in the log.  Once the limit is reached, the oldest entry of the matching
class will be overwritten by any new entry of the same class.  If the value of
this object is set to a number smaller than the current number of rows within
this class in the eventLogTable, then the oldest entries shall be lost/deleted."
::= { eventClassEntry 2 }

--2.5.6.3 Event Class Clear Time Parameter

eventClassClearTime OBJECT-TYPE
SYNTAX  Counter
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
"This object is used to clear multiple event log entries from the event log
table.  Setting this value shall cause all events of this class that have an
eventTime equal to or less than this object to be cleared from the eventLog
table.  The time is the number of seconds since the epoch of 00:00:00
(midnight) January 1,
1970."
::= { eventClassEntry 3 }

--2.5.6.4 Event Class Description Parameter

eventClassDescription OBJECT-TYPE
SYNTAX  OCTET STRING
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
"This object specifies a description of the class in ASCII characters."
::= { eventClassEntry 4 }

--2.5.6.5 Event Class Number of Rows in Event Log Table Parameter

eventClassNumRowsInLog OBJECT-TYPE
SYNTAX  INTEGER (0..255)
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
"The number of rows for this class that currently exist  in the eventLogTable."
::= { eventClassEntry 5 }


--2.6 STMP OBJECT NODE

--profilesSTMP OBJECT IDENTIFIER
--::= { profiles 2 }
--These objects are not applicable to the FDOT Requirements


--2.7 PMPP OBJECT NODE

--profilesPMPP OBJECT IDENTIFIER
--::= { profiles 3 }
--These objects are not applicable to the FDOT Requirements


--2.8      SECURITY NODE
--Support of the 'security' conformance group is required for dial-up communictions.
security OBJECT IDENTIFIER ::= {global 5}
-- This node is an identifier used to group all objects related to the
-- assignment of community names and the access rights they provide.

--2.8.1   Community Name Administrator Parameter
```

```
communityNameAdmin OBJECT-TYPE
        SYNTAX    OCTET STRING (SIZE(8..16))
        ACCESS    read-write
        STATUS    mandatory
        DESCRIPTION
                "This object is the community name that must be used to specifically
                gain access to information under the security node.  A message with
                this value in the community name field of an SNMP message has user
                read-write access to the security node objects and all other objects
                implemented in the device.  The syntax is defined as an OCTET STRING
                and therefore any character can have a value of 0..255."
        DEFVAL { "administrator" }
::= { security 1 }

--2.8.2   Maximum Community Names Parameter
communityNamesMax     OBJECT-TYPE
        SYNTAX    INTEGER (1..255)
        ACCESS    read-only
        STATUS    mandatory
        DESCRIPTION
                "This object specifies the maximum number of rows that are implemented
                in the community name table."
::= { security 2 }

--2.8.3   Community Names Table
communityNameTable  OBJECT-TYPE
        SYNTAX    SEQUENCE OF CommunityNameTableEntry
        ACCESS    not-accessible
        STATUS    mandatory
        DESCRIPTION
                "This table defines the community names that can appear in the community
                name field of the SNMP message and access privileges associated with that
                community name."
::= { security 3 }

communityNameTableEntry  OBJECT-TYPE
        SYNTAX    CommunityNameTableEntry
        ACCESS    not-accessible
        STATUS    mandatory
        DESCRIPTION
                "This is the row index of information in the community name table."
        INDEX     { communityNameIndex }
::= { communityNameTable 1}

CommunityNameTableEntry::=SEQUENCE
                              {  communityNameIndex       INTEGER,
                        communityNameUser        OCTET STRING,
                                   communityNameAccessMask  Gauge
                                        }
--2.8.3.1  Community Name Index Parameter
communityNameIndex  OBJECT-TYPE
        SYNTAX  INTEGER (1..255)
        ACCESS  read-only
        STATUS  mandatory
        DESCRIPTION
                "This object defines the row index into the communityNameTable. This value shall not
exceed the communityNamesMax object value."
::=  { communityNameTableEntry 1 }

--2.8.3.2  User Community Name Parameter
communityNameUser  OBJECT-TYPE
        SYNTAX  OCTET STRING (SIZE(6..16))
        ACCESS  read-write
        STATUS  mandatory
        DESCRIPTION
                "This object defines a community name value that a security administrator can
                assign user read-write access to information (other than security) in a device
                A message with this value in the community name field of an SNMP message has
                user access rights as defined in the communityNameAccessMask.  The syntax is
                defined as an OCTET STRING and therefore any character can have a value of
                0..255."
```

```
        DEFVAL  { "public" }
::=  { communityNameTableEntry 2 }

--2.8.3.3  User Community Name Mask Parameter
communityNameAccessMask OBJECT-TYPE
        SYNTAX  Gauge --(0..4294967295)
        ACCESS  read-write
        STATUS  mandatory
        DESCRIPTION
                "This object defines a 32 bit mask that can be used to associate 'write access'
                with a community name.  A value of 0x00000000 grants the community name user
                read-only access and overrides any individual object's read-write access
                clause.  A value of OxFFFFFFFF grants the community name user read-write access
                and an individual object's read-write access clause applies.  Values other
                0x00000000 and 0xFFFFFFFF are implementation specific and may limit viewing
                and/or accessing the information in a device."
        --DEFVAL  { 4294967295 }
::= { communityNameTableEntry 3 }

END
```