Management Information Base
for Version 2 of the
Simple Network Management Protocol (SNMPv2)

Status of this Memo

This document specifies an Internet standards track protocol for the
Internet community, and requests discussion and suggestions for
improvements. Please refer to the current edition of the "Internet
Official Protocol Standards" (STD 1) for the standardization state
and status of this protocol. Distribution of this memo is unlimited.

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1. Introduction

A management system contains: several (potentially many) nodes, each with a processing entity, termed an agent, which has access to management instrumentation; at least one management station; and, a management protocol, used to convey management information between the agents and management stations. Operations of the protocol are carried out under an administrative framework which defines authentication, authorization, access control, and privacy policies.

Management stations execute management applications which monitor and control managed elements. Managed elements are devices such as hosts, routers, terminal servers, etc., which are monitored and controlled via access to their management information.

Management information is viewed as a collection of managed objects, residing in a virtual information store, termed the Management Information Base (MIB). Collections of related objects are defined in MIB modules. These modules are written using a subset of OSI’s Abstract Syntax Notation One (ASN.1) [1], termed the Structure of Management Information (SMI) [2].

The management protocol, SNMPv2 [3], provides for the exchange of messages which convey management information between the agents and the management stations. It is the purpose of this document to define managed objects which describe the behavior of a SNMPv2 entity.

1.1. A Note on Terminology

For the purpose of exposition, the original Internet-standard Network Management Framework, as described in RFCs 1155 (STD 16), 1157 (STD 15), and 1212 (STD 16), is termed the SNMP version 1 framework (SNMPv1). The current framework is termed the SNMP version 2 framework (SNMPv2).

2. Definitions

SNMPv2-MIB DEFINITIONS ::= BEGIN

IMPORTS
   MODULE-IDENTITY, OBJECT-TYPE, NOTIFICATION-TYPE,
   TimeTicks, Counter32, snmpModules, mib-2
   FROM SNMPv2-SMI
   DisplayString, TestAndIncr, TimeStamp
   FROM SNMPv2-TC
   MODULE-COMPLIANCE, OBJECT-GROUP, NOTIFICATION-GROUP
   FROM SNMPv2-CONF;
snmpMIB MODULE-IDENTITY
LAST-UPDATED "9511090000Z"
ORGANIZATION "IETF SNMPv2 Working Group"
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DESCRIPTION
"The MIB module for SNMPv2 entities."
REVISION "9304010000Z"
DESCRIPTION
"The initial revision of this MIB module was published as RFC 1450."
 ::= { snmpModules 1 }

snmpMIBObjects OBJECT IDENTIFIER ::= { snmpMIB 1 }
-- ::= { snmpMIBObjects 1 } this OID is obsolete
-- ::= { snmpMIBObjects 2 } this OID is obsolete
-- ::= { snmpMIBObjects 3 } this OID is obsolete

-- the System group
--
-- a collection of objects common to all managed systems.

system OBJECT IDENTIFIER ::= { mib-2 1 }
sysDescr OBJECT-TYPE
SYNTAX DisplayString (SIZE (0..255))
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"A textual description of the entity. This value should include the full name
and version identification of the system’s hardware type, software operating-system,
and networking software."
 ::= { system 1 }
sysObjectID OBJECT-TYPE
SYNTAX OBJECT IDENTIFIER
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"The vendor’s authoritative identification of the network management subsystem contained in the entity. This value is allocated within the SMI enterprises subtree (1.3.6.1.4.1) and provides an easy and unambiguous means for determining ‘what kind of box’ is being managed. For example, if vendor ‘Flintstones, Inc.’ was assigned the subtree 1.3.6.1.4.1.4242, it could assign the identifier 1.3.6.1.4.1.4242.1.1 to its ‘Fred Router’.

::= { system 2 }

sysUpTime OBJECT-TYPE
SYNTAX TimeTicks
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"The time (in hundredths of a second) since the network management portion of the system was last re-initialized.

::= { system 3 }

sysContact OBJECT-TYPE
SYNTAX DisplayString (SIZE (0..255))
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"The textual identification of the contact person for this managed node, together with information on how to contact this person. If no contact information is known, the value is the zero-length string.

::= { system 4 }

sysName OBJECT-TYPE
SYNTAX DisplayString (SIZE (0..255))
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"An administratively-assigned name for this managed node. By convention, this is the node’s fully-qualified domain name. If the name is unknown, the value is the zero-length string.

::= { system 5 }

sysLocation OBJECT-TYPE
SYNTAX DisplayString (SIZE (0..255))
MAX-ACCESS read-write
STATUS          current
DESCRIPTION     "The physical location of this node (e.g., 'telephone
closet, 3rd floor'). If the location is unknown, the value
is the zero-length string."
 ::= { system 6 }

sysServices OBJECT-TYPE
SYNTAX          INTEGER (0..127)
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "A value which indicates the set of services that this
entity may potentially offers. The value is a sum. This
sum initially takes the value zero, Then, for each layer, L,
in the range 1 through 7, that this node performs
transactions for, 2 raised to (L - 1) is added to the sum.
For example, a node which performs only routing functions
would have a value of 4 (2^(3-1)). In contrast, a node
which is a host offering application services would have a
value of 72 (2^(4-1) + 2^(7-1)). Note that in the context
of the Internet suite of protocols, values should be
calculated accordingly:

<table>
<thead>
<tr>
<th>layer</th>
<th>functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>physical (e.g., repeaters)</td>
</tr>
<tr>
<td>2</td>
<td>datalink/subnetwork (e.g., bridges)</td>
</tr>
<tr>
<td>3</td>
<td>internet (e.g., supports the IP)</td>
</tr>
<tr>
<td>4</td>
<td>end-to-end (e.g., supports the TCP)</td>
</tr>
<tr>
<td>7</td>
<td>applications (e.g., supports the SMTP)</td>
</tr>
</tbody>
</table>

For systems including OSI protocols, layers 5 and 6 may also
be counted."
 ::= { system 7 }

-- object resource information
--
-- a collection of objects which describe the SNMPv2 entity’s
-- (statically and dynamically configurable) support of
-- various MIB modules.

sysORLastChange OBJECT-TYPE
SYNTAX          TimeStamp
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION     "The value of sysUpTime at the time of the most recent
change in state or value of any instance of sysORID.

::= { system 8 }

sysORTable OBJECT-TYPE
SYNTAX SEQUENCE OF SysOREntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"The (conceptual) table listing the capabilities of the
local SNMPv2 entity acting in an agent role with respect to
various MIB modules. SNMPv2 entities having dynamically-
configurable support of MIB modules will have a
dynamically-varying number of conceptual rows."

::= { system 9 }

sysOREntry OBJECT-TYPE
SYNTAX SysOREntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry (conceptual row) in the sysORTable."
INDEX { sysORIndex }
::= { sysORTable 1 }

SysOREntry ::= SEQUENCE {
    sysORIndex     INTEGER,
    sysORID        OBJECT IDENTIFIER,
    sysORDescr     DisplayString,
    sysORUpTime    TimeStamp
}

sysORIndex OBJECT-TYPE
SYNTAX INTEGER (1..2147483647)
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"The auxiliary variable used for identifying instances of
the columnar objects in the sysORTable."

::= { sysOREntry 1 }

sysORID OBJECT-TYPE
SYNTAX OBJECT IDENTIFIER
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"An authoritative identification of a capabilities statement
with respect to various MIB modules supported by the local
SNMPv2 entity acting in an agent role."
::= { sysOREntry 2 }

sysORDescr OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "A textual description of the capabilities identified by the corresponding instance of sysORID."
::= { sysOREntry 3 }

sysORUpTime OBJECT-TYPE
SYNTAX TimeStamp
MAX-ACCESS read-only
STATUS current
DESCRIPTION "The value of sysUpTime at the time this conceptual row was last instantiated."
::= { sysOREntry 4 }

-- the SNMP group
--
-- a collection of objects providing basic instrumentation and control of an SNMP entity.

snmp OBJECT IDENTIFIER ::= { mib-2 11 }

snmpInPkts OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "The total number of messages delivered to the SNMP entity from the transport service."
::= { snmp 1 }

snmpInBadVersions OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS current
DESCRIPTION "The total number of SNMP messages which were delivered to the SNMP entity and were for an unsupported SNMP version."
::= { snmp 3 }

snmpInBadCommunityNames OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only  
STATUS     current  
DESCRIPTION  "The total number of SNMP messages delivered to the SNMP  
etntity which used a SNMP community name not known to said  
etntity."  
::= { snmp 4 }

snmpInBadCommunityUses OBJECT-TYPE  
SYNTAX     Counter32  
MAX-ACCESS read-only  
STATUS     current  
DESCRIPTION  "The total number of SNMP messages delivered to the SNMP  
etntity which represented an SNMP operation which was not  
allowed by the SNMP community named in the message."  
::= { snmp 5 }

snmpInASNParseErrs OBJECT-TYPE  
SYNTAX     Counter32  
MAX-ACCESS read-only  
STATUS     current  
DESCRIPTION  "The total number of ASN.1 or BER errors encountered by the  
SNMP entity when decoding received SNMP messages."  
::= { snmp 6 }

snmpEnableAuthenTraps OBJECT-TYPE  
SYNTAX     INTEGER { enabled(1), disabled(2) }  
MAX-ACCESS read-write  
STATUS     current  
DESCRIPTION  "Indicates whether the SNMP entity is permitted to generate  
authenticationFailure traps. The value of this object  
overrides any configuration information; as such, it  
provides a means whereby all authenticationFailure traps may  
be disabled.  

Note that it is strongly recommended that this object be  
stored in non-volatile memory so that it remains constant  
across re-initializations of the network management system."  
::= { snmp 30 }

snmpSilentDrops OBJECT-TYPE  
SYNTAX     Counter32  
MAX-ACCESS read-only  
STATUS     current  
DESCRIPTION
"The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the size of a reply containing an alternate Response-PDU with an empty variable-bindings field was greater than either a local constraint or the maximum message size associated with the originator of the request."

::= { snmp 31 }

snmpProxyDrops OBJECT-TYPE
   SYNTAX         Counter32
   MAX-ACCESS    read-only
   STATUS        current
   DESCRIPTION   
      "The total number of GetRequest-PDUs, GetNextRequest-PDUs, GetBulkRequest-PDUs, SetRequest-PDUs, and InformRequest-PDUs delivered to the SNMP entity which were silently dropped because the transmission of the (possibly translated) message to a proxy target failed in a manner (other than a time-out) such that no Response-PDU could be returned."

::= { snmp 32 }

-- information for notifications
--
-- a collection of objects which allow the SNMPv2 entity, when
-- acting in an agent role, to be configured to generate
-- SNMPv2-Trap-PDUs.

snmpTrap OBJECT IDENTIFIER ::= { snmpMIBObjects 4 }

snmpTrapOID OBJECT-TYPE
   SYNTAX         OBJECT IDENTIFIER
   MAX-ACCESS    accessible-for-notify
   STATUS        current
   DESCRIPTION   
      "The authoritative identification of the notification currently being sent. This variable occurs as the second varbind in every SNMPv2-Trap-PDU and InformRequest-PDU."

::= { snmpTrap 1 }

-- ::= { snmpTrap 2 } this OID is obsolete

snmpTrapEnterprise OBJECT-TYPE
   SYNTAX          OBJECT IDENTIFIER
   MAX-ACCESS      accessible-for-notify
   STATUS          current
DESCRIPTION
"The authoritative identification of the enterprise
associated with the trap currently being sent. When a
SNMPv2 proxy agent is mapping an RFC1157 Trap-PDU into a
SNMPv2-Trap-PDU, this variable occurs as the last varbind."
::= { snmpTrap 3 }

-- ::= { snmpTrap 4 }   this OID is obsolete

-- well-known traps

snmpTraps OBJECT IDENTIFIER ::= { snmpMIBObjects 5 }

coldStart NOTIFICATION-TYPE
STATUS current
DESCRIPTION
"A coldStart trap signifies that the SNMPv2 entity, acting
in an agent role, is reinitializing itself and that its
configuration may have been altered."
::= { snmpTraps 1 }

warmStart NOTIFICATION-TYPE
STATUS current
DESCRIPTION
"A warmStart trap signifies that the SNMPv2 entity, acting
in an agent role, is reinitializing itself such that its
configuration is unaltered."
::= { snmpTraps 2 }

-- Note the linkDown NOTIFICATION-TYPE ::= { snmpTraps 3 }
-- and the linkUp NOTIFICATION-TYPE ::= { snmpTraps 4 }
-- are defined in RFC 1573

authenticationFailure NOTIFICATION-TYPE
STATUS current
DESCRIPTION
"An authenticationFailure trap signifies that the SNMPv2
entity, acting in an agent role, has received a protocol
message that is not properly authenticated. While all
implementations of the SNMPv2 must be capable of generating
this trap, the snmpEnableAuthenTraps object indicates
whether this trap will be generated."
::= { snmpTraps 5 }

-- Note the egpNeighborLoss NOTIFICATION-TYPE ::= { snmpTraps 6 }
-- is defined in RFC 1213
RFC 1907  
Management Information Base for SNMPv2  
January 1996

-- the set group
--
-- a collection of objects which allow several cooperating
-- SNMPv2 entities, all acting in a manager role, to
-- coordinate their use of the SNMPv2 set operation.

snmpSet OBJECT IDENTIFIER ::= { snmpMIBObjects 6 }

snmpSetSerialNo OBJECT-TYPE
SYNTAX TestAndIncr
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"An advisory lock used to allow several cooperating SNMPv2
entities, all acting in a manager role, to coordinate their
use of the SNMPv2 set operation.

This object is used for coarse-grain coordination. To
achieve fine-grain coordination, one or more similar objects
might be defined within each MIB group, as appropriate."
 ::= { snmpSet 1 }

-- conformance information

snmpMIBConformance OBJECT IDENTIFIER ::= { snmpMIB 2 }

snmpMIBCompliances OBJECT IDENTIFIER ::= { snmpMIBConformance 1 }

snmpMIBGroups OBJECT IDENTIFIER ::= { snmpMIBConformance 2 }

-- compliance statements

 ::= { snmpMIBCompliances 1 }  this OID is obsolete

snmpBasicCompliance MODULE-COMPLIANCE
STATUS current
DESCRIPTION
"The compliance statement for SNMPv2 entities which
implement the SNMPv2 MIB."
MODULE  -- this module
MANDATORY-GROUPS { snmpGroup, snmpSetGroup, systemGroup,
snmpBasicNotificationsGroup }

GROUP  snmpCommunityGroup
DESCRIPTION
"This group is mandatory for SNMPv2 entities which
support community-based authentication."

::= { snmpMIBCompliances 2 }

-- units of conformance

-- ::= { snmpMIBGroups 1 } this OID is obsolete
-- ::= { snmpMIBGroups 2 } this OID is obsolete
-- ::= { snmpMIBGroups 3 } this OID is obsolete
-- ::= { snmpMIBGroups 4 } this OID is obsolete

snmpGroup OBJECT-GROUP
OBJECTS { snmpInPkts,
           snmpInBadVersions,
           snmpInASNParseErrs,
           snmpSilentDrops,
           snmpProxyDrops,
           snmpEnableAuthenTraps }
STATUS current
DESCRIPTION
"A collection of objects providing basic instrumentation and
control of an SNMPv2 entity."
::= { snmpMIBGroups 8 }

snmpCommunityGroup OBJECT-GROUP
OBJECTS { snmpInBadCommunityNames,
           snmpInBadCommunityUses }
STATUS current
DESCRIPTION
"A collection of objects providing basic instrumentation of
a SNMPv2 entity which supports community-based
authentication."
::= { snmpMIBGroups 9 }

snmpSetGroup OBJECT-GROUP
OBJECTS { snmpSetSerialNo }
STATUS current
DESCRIPTION
"A collection of objects which allow several cooperating
SNMPv2 entities, all acting in a manager role, to coordinate
their use of the SNMPv2 set operation."
::= { snmpMIBGroups 5 }

systemGroup OBJECT-GROUP
OBJECTS { sysDescr, sysObjectID, sysUpTime,
sysContact, sysName, sysLocation,
sysServices, sysORLastChange, sysORID,
sysORUpTime, sysORDescr

STATUS  current
DESCRIPTION
"The system group defines objects which are common to all managed systems."
::= { snmpMIBGroups 6 }

snmpBasicNotificationsGroup NOTIFICATION-GROUP
NOTIFICATIONS { coldStart, authenticationFailure }
STATUS        current
DESCRIPTION
"The two notifications which an SNMPv2 entity is required to implement."
::= { snmpMIBGroups 7 }

-- definitions in RFC 1213 made obsolete by the inclusion of a
-- subset of the snmp group in this MIB

snmpOutPkts OBJECT-TYPE
SYNTAX      Counter32
MAX-ACCESS  read-only
STATUS      obsolete
DESCRIPTION
"The total number of SNMP Messages which were passed from the SNMP protocol entity to the transport service."
::= { snmp 2 }

-- { snmp 7 } is not used

snmpInTooBigs OBJECT-TYPE
SYNTAX      Counter32
MAX-ACCESS  read-only
STATUS      obsolete
DESCRIPTION
"The total number of SNMP PDUs which were delivered to the SNMP protocol entity and for which the value of the error-status field is 'tooBig'."
::= { snmp 8 }

snmpInNoSuchNames OBJECT-TYPE
SYNTAX      Counter32
MAX-ACCESS  read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP PDUs which were
delivered to the SNMP protocol entity and for
which the value of the error-status field is
'noSuchName'."
 ::= { snmp 9 }

snmpInBadValues OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP PDUs which were
delivered to the SNMP protocol entity and for
which the value of the error-status field is
'badValue'."
 ::= { snmp 10 }

snmpInReadOnlys OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number valid SNMP PDUs which were
delivered to the SNMP protocol entity and for
which the value of the error-status field is
'readOnly'. It should be noted that it is a
protocol error to generate an SNMP PDU which
contains the value 'readOnly' in the error-status
field, as such this object is provided as a means
detecting incorrect implementations of the
SNMP."
 ::= { snmp 11 }

snmpInGenErrs OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP PDUs which were
delivered to the SNMP protocol entity and for
which the value of the error-status field is
'genErr'."
 ::= { snmp 12 }

snmpInTotalReqVars OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of MIB objects which have been retrieved successfully by the SNMP protocol entity as the result of receiving valid SNMP Get-Request and Get-Next PDUs."
::= { snmp 13 }

snmpInTotalSetVars OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of MIB objects which have been altered successfully by the SNMP protocol entity as the result of receiving valid SNMP Set-Request PDUs."
::= { snmp 14 }

snmpInGetRequests OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP Get-Request PDUs which have been accepted and processed by the SNMP protocol entity."
::= { snmp 15 }

snmpInGetNexts OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP Get-Next PDUs which have been accepted and processed by the SNMP protocol entity."
::= { snmp 16 }

snmpInSetRequests OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP Set-Request PDUs which have been accepted and processed by the SNMP protocol entity."
::= { snmp 17 }

snmpInGetResponses OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP Get-Response PDUs which have been accepted and processed by the SNMP protocol entity."
::= { snmp 18 }

snmpInTraps OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP Trap PDUs which have been accepted and processed by the SNMP protocol entity."
::= { snmp 19 }

snmpOutTooBigs OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status field is ‘tooBig.’"
::= { snmp 20 }

snmpOutNoSuchNames OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP PDUs which were generated by the SNMP protocol entity and for which the value of the error-status is ‘noSuchName’."
::= { snmp 21 }

snmpOutBadValues OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP PDUs which were
generated by the SNMP protocol entity and for
which the value of the error-status field is
'badValue'."
::= { snmp 22 }

-- { snmp 23 } is not used

snmpOutGenErrs OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP PDUs which were
generated by the SNMP protocol entity and for
which the value of the error-status field is
'genErr'."
::= { snmp 24 }

snmpOutGetRequests OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP Get-Request PDUs which
have been generated by the SNMP protocol entity."
::= { snmp 25 }

snmpOutGetNexts OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP Get-Next PDUs which have
been generated by the SNMP protocol entity."
::= { snmp 26 }

snmpOutSetRequests OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION
"The total number of SNMP Set-Request PDUs which
have been generated by the SNMP protocol entity."
::= { snmp 27 }
snmpOutGetResponses OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION "The total number of SNMP Get-Response PDUs which have been generated by the SNMP protocol entity."
 ::= { snmp 28 }

snmpOutTraps OBJECT-TYPE
SYNTAX Counter32
MAX-ACCESS read-only
STATUS obsolete
DESCRIPTION "The total number of SNMP Trap PDUs which have been generated by the SNMP protocol entity."
 ::= { snmp 29 }

snmpObsoleteGroup OBJECT-GROUP
OBJECTS { snmpOutPkts, snmpInTooBigs, snmpInNoSuchNames, snmpInBadValues, snmpInReadOnlys, snmpInGenErrs, snmpInTotalReqVars, snmpInTotalSetVars, snmpInGetRequests, snmpInGetNexts, snmpInSetRequests, snmpInGetResponses, snmpInTraps, snmpOutTooBigs, snmpOutNoSuchNames, snmpOutBadValues, snmpOutGenErrs, snmpOutGetRequests, snmpOutGetNexts, snmpOutSetRequests, snmpOutGetResponses, snmpOutTraps }
STATUS obsolete
DESCRIPTION "A collection of objects from RFC 1213 made obsolete by this MIB."
 ::= { snmpMIBGroups 10 }

END

3. Security Considerations

Security issues are not discussed in this memo.
4. Editor’s Address

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6. References


