**SNMPv1 Message Formats**

### Field | Description
---|---
Community: | Community name.
PDU Type: | Specifies the PDU being transmitted:
0 = GetRequest
1 = getNextRequest
2 = GetResponse
3 = SetRequest
4 = Trap
Request ID: | Used to correlate the Request and Response.
Error Status: | Exception condition for the request. Values are:
0 = noError
1 = tooBig
2 = noSuchName
3 = badValue
4 = readOnly
5 = genErr
Error Index: | Pointer to Variable Binding that caused the error.
Variable Bindings: | Pairing of object name and value.

### Field | Description
---|---
Community: | Community name.
PDU Type: | Type = 4 is used for the Trap.
Enterprise: | SNMP sysObject ID.
Agent Address: | IP address of SNMP Agent.
Generic Trap Type: | Specifies the message type.
Values are:
0 = coldStart
1 = warmStart
2 = linkDown
3 = linkUp
4 = AuthenticationFailure
5 = egpNeighborLoss
6 = enterpriseSpecific
Specific Trap Type: | Trap code.
Timestamp: | Current value of that Agent's sysUpTime object.
Variable Bindings: | Pairing of object name and value.

---

**SNMPv1 Protocol Reference Guide**

**Request For Comments Documents**

**RFC** | **Subject**
---|---
1155 | Structure of Management Information
1157 | Simple Network Management Protocol (SNMP)
1212 | Concise MIB Definitions
1213 | Management Information Base (MIB-II)
1214 | OSI Internet Management MIB
1215 | Convention for Defining Traps
1270 | SNMP Communications Services
1303 | Convention for Describing SNMP Agents
1315 | Frame Relay DTE MIB
1418 | SNMP over OSI
1419 | SNMP over AppleTalk
1420 | SNMP over IPX
1493 | Managed Objects for Bridges
1512 | FDDI MIB
1559 | DECnet Phase IV MIB Extensions
1643 | Managed Objects for Ethernet
1694 | Managed Objects for the SMDS SIP Interface
1695 | ATM MIB
1748 | IEEE 802.5 Token Ring MIB
1757 | Remote Network Monitoring (RMON) MIB
1850 | OSPF Version 2 MIB
1901 | Community-based SNMPv2