际协议（IP）和与之相关的因特网控制报文协议（ICMP）的管理实现。[RFC 4022] 规定了用于 TCP 的 MIB 模块，[RFC 4113] 规定了用于 UDP 的 MIB 模块。[RFC 4502] 定义了用于 RMON 远程监视的 MIB 模块。除了包括该模块中的被管对象的 OBJECT-TYPE 定义，MODULE-IDENTITY 结构还包含了该模块作者的联系信息、最后更新的日期、修订历史和该模块的文本性描述。举一个例子，考虑下面用于 IP 协议管理的模块定义的例子：

```
ipMIB MODULE-IDENTITY
    LAST-UPDATED "200602020000Z"
    ORGANIZATION "IETF IPv6 MIB Revision Team"
    CONTACT-INFO
          "Editor:
          Shawn A. Routhier
          Interworking Labs
          108 Whispering Pines Dr. Suite 235
      Scotts Valley, CA 95066
      USA
      EMail: <sar@iwl.com>"
DESCRIPTION
      "The MIB module for managing IP and ICMP
      implementations, but excluding their
      management of IP routes.

      Copyright (C) The Internet Society (2006).
      This version of this MIB module is part of
      RFC 4293; see the RFC itself for full legal
      notices."

REVISION      "200602020000Z"
DESCRIPTION
      "The IP version neutral revision with added
      IPv6 objects for ND, default routers, and
      router advertisements. As well as being the
      successor to RFC 2011, this MIB is also the
      successor to RFCs 2465 and 2466. Published
      as RFC 4293."

REVISION      "1994110100000Z"
DESCRIPTION
      "A separate MIB module (IP-MIB) for IP and
      ICMP management objects. Published as RFC
      2011."

REVISION      "1991033100000Z"
DESCRIPTION
      "The initial revision of this MIB module was
      part of MIB-II, which was published as RFC
      1213."
::= { mib-2 48}
```

NOTIFICATION-TYPE 结构用来定义由代理或管理实体产生的有关“SNMPv2-Trap”和“InformationRequest”报文的信息，参见 9.3.3 节。该信息包括了文本性 DESCRIPTION：何时发送这样的报文，以及包括在产生的报文中的值列表；详情参见 [RFC 2578]。MODULE-COMPLIANCE 结构定义了一个代理必须实现的模块中的被管对象集合。AGENT-CAPABILITIES 结构定义了代理关于对象通知和事件通知定义的能力。

9.3.2 管理信息库：MIB

如上所述，**管理信息库**（Management Information Base，MIB）能被认为是一个虚拟信