                 Applicability Statement for Reclassification of
                        RFC 1643 to Historic Status

Status of this Memo

Copyright Notice

Abstract

   This memo recommends that RFC 1643 be reclassified as an Historic
   document and provides the supporting motivation for that
   recommendation.

1. Details

   STD 50, RFC 1643 [RFC1643], "Definitions of Managed Objects for the
   Ethernet-like Interface Types", and its SMIv2 equivalent, RFC 1650
   [RFC1650], are applicable to half-duplex 10 Mb/s Ethernet interfaces
   only. Subsequent to the 1994 publication of these documents, 100
   Mb/s, 1000 Mb/s, and 10 Gb/s Ethernet interface types have been
   developed, and full-duplex operation at 10 Mb/s has been
   standardized. Updates to RFC 1650 have been produced to accommodate
   these new technologies [RFC2358] [RFC2665] [RFC2666] [RFC3635].
   These updates define new MIB objects to supplement those defined in
   RFC 1643 and RFC 1650 and in addition deprecate some of the objects
   in RFC 1643 and RFC 1650 that are no longer considered useful. They
   also levy a requirement for implementations of the EtherLike-MIB to
   support the MAU-MIB [RFC2239] [RFC2668] [RFC3636] as well.

RFC 1643 is an obsolete specification, overtaken by events. Its
SMIv2 equivalent, RFC 1650, was officially retired in 1998. New
implementations -- even those that support only half-duplex 10 Mb/s
interfaces -- should comply with in the latest version of the
specification, currently RFC 3635 [RFC3635] and RFC 2666 [RFC2666],
instead of RFC 1643. It is therefore recommended that RFC 1643 be
reclassified as an Historic document.

2. Effect on Other Standards Track Documents

Reclassification of RFC 1643 will have no impact on the status of any
standards track RFC because no standards track RFC cites it as a
normative reference. An RFC content search made with the tools
available at http://www.rfc-editor.org reveals the following
standards track documents that cite RFC 1643:

        Document   Title
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        RFC 2020   IEEE 802.12 Interface MIB

        RFC 2358   Definitions of Managed Objects for the
                          Ethernet-like Interface Types

        RFC 2665   Definitions of Managed Objects for the
                          Ethernet-like Interface Types

        RFC 2720   Traffic Flow Measurement: Meter MIB

        RFC 3635   Definitions of Managed Objects for the
                          Ethernet-like Interface Types

   RFC 2020 [RFC2020] contains DOT12-IF-MIB, which is the MIB module for
   managing IEEE 802.12 100VG-AnyLAN interfaces. It refers to RFC 1643
   in the context of an admonition not to implement the EtherLike-MIB
   for any interface where the DOT12-IF-MIB is implemented.

   RFC 2358 [RFC2358], RFC 2665 [RFC2665], and RFC 3635 [RFC3635] all
   contain updated versions of the EtherLike-MIB. They refer to RFC
   1643 in the context of explaining the history of the EtherLike-MIB,
   and the citation in RFC 3635 is explicitly listed as a non-normative
   reference.

   RFC 2720 [RFC2720] contains the FLOW-METER-MIB. It refers to RFC
   1643 only in an ASN.1 comment in the MIB module. Omission of that
   comment would not preclude correct implementation of the MIB module.

   Clearly, none of these citations are normative.

3. Security Considerations

   Reclassification of RFC 1643 will not, in and of itself, have any
   effect on the security of the Internet.

4. Normative References

   [RFC1643]   Kastenholz, F., "Definitions of Managed Objects for the
               Ethernet-like Interface Types", STD 50, RFC 1643, July
               1994.

   [RFC1650]   Kastenholz, F., "Definitions of Managed Objects for the
               Ethernet-like Interface Types using SMIv2", RFC 1650,
               August 1994.

   [RFC2020]   Flick, J., "IEEE 802.12 Interface MIB", RFC 2020, October
               1996.

   [RFC2239]   de Graaf, K., Romascanu, D., McMaster, D., McCloghrie, K.
               and S. Roberts, "Definitions of Managed Objects for IEEE
               802.3 Medium Attachment Units (MAUs) using SMIv2", RFC
               2239, November 1997.

   [RFC2358]   Flick, J. and J. Johnson, "Definitions of Managed Objects
               for the Ethernet-like Interface Types", RFC 2358, June
               1998.

   [RFC2665]   Flick, J. and J. Johnson, "Definitions of Managed Objects
               for the Ethernet-like Interface Types", RFC 2665, August
               1999.

   [RFC2666]   Flick, J., "Definitions of Object Identifiers for
               Identifying Ethernet Chip Sets", RFC 2666, August 1999.

   [RFC2668]   Smith, A., Flick, J., deGraaf, K., Romascanu, D.,
               McMaster, D., McCloghrie, K. and S. Roberts, "Definitions
               of Managed Objects for IEEE 802.3 Medium Attachment Units
               (MAUs)", RFC 2668, August 1999.

   [RFC2720]   Brownlee, N., "Traffic Flow Measurement: Meter MIB", RFC
               2720, October 1999.

   [RFC3635]   Flick, J., "Definitions of Managed Objects for the
               Ethernet-like Interface Types", RFC 3635, September 2003.

   [RFC3636]   Flick, J., "Definitions of Managed Objects for IEEE 802.3
               Medium Attachment Units (MAUs)", RFC 3636, September
               2003.

5. Authors' Addresses

   John Flick
   Hewlett-Packard Company
   8000 Foothills Blvd. M/S 5557
   Roseville, CA 95747-5557
   USA

   Phone: +1 916 785 4018
   Fax: +1 916 785 1199
   EMail: johnf@rose.hp.com

   C. M. Heard
   600 Rainbow Dr. #141
   Mountain View, CA 94041-2542
   USA

   Phone: +1 650 964 8391
   EMail: heard@pobox.com

6. Full Copyright Statement

Acknowledgement