

Network Working Group  
Request for Comments: 1399  
Category: Informational

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ISI  
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## Request for Comments Summary

RFC Numbers 1300-1399

### Status of This Memo

This RFC is a slightly annotated list of the 100 RFCs from RFC 1300 through RFCs 1399. This is a status report on these RFCs. This memo provides information for the Internet community. It does not specify an Internet standard of any kind. Distribution of this memo is unlimited.

### Note

Many RFCs, but not all, are Proposed Standards, Draft Standards, or Standards. Since the status of these RFCs may change during the standards processing, we note here only that they are on the standards track. Please see the latest edition of "Internet Official Protocol Standards" for the current state and status of these RFCs. In the following, RFCs on the standards track are marked [STANDARDS-TRACK].

RFC	Author	Date	Title
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1399	Elliott	Jan 97	Requests For Comments Summary

This memo.

1398	Kastenholz	Jan 93	Definitions of Managed Objects for the Ethernet-like Interface Types
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This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. In particular, it defines objects for managing ethernet-like objects. [STANDARDS-TRACK]

- 1397     Haskin         Jan 93     Default Route Advertisement In BGP2 and  
   BGP3 Versions of the Border Gateway  
   Protocol

This document specifies the recommendation of the BGP Working Group on default route advertisement support in BGP2 [1] and BGP3 [2] versions of the Border Gateway Protocol. [STANDARDS-TRACK]

- 1396     Crocker         Jan 93     The Process for Organization of Internet  
   Standards

This report provides a summary of the POISED Working Group (WG), starting from the events leading to the formation of the WG to the end of 1992. This memo provides information for the Internet community. It does not specify an Internet standard.

- 1395     Reynolds       Jan 93     BOOTP Vendor Information Extensions

This RFC is a slight revision and extension of RFC-1048 by Philip Prindeville, who should be credited with the original work in this memo. This memo will be updated as additional tags are defined. This edition introduces Tag 14 for Merit Dump File, Tag 15 for Domain Name, Tag 16 for Swap Server and Tag 17 for Root Path. This memo is a status report on the vendor information extensions used in the Bootstrap Protocol (BOOTP).

- 1394     Robinson       Jan 93     Relationship of Telex Answerback Codes  
   to Internet Domains

This RFC gives the list, as best known, of all common Internet domains and the conversion between specific country telex answerback codes and Internet country domain identifiers. It also lists the telex code and international dialing code, wherever it is available. It will also list major Internet "Public" E-Mail addresses. This memo provides information for the Internet community. It does not specify an Internet standard.

- 1393     Malkin         Jan 93     Traceroute Using an IP Option

This document specifies a new IP option and ICMP message type which duplicates the functionality of the existing traceroute method while generating fewer packets and completing in a shorter time. This memo defines an Experimental Protocol for the Internet community.

1392     Malkin           Jan 93     Internet Users' Glossary

There are many networking glossaries in existence. This glossary concentrates on terms which are specific to the Internet. This memo provides information for the Internet community. It does not specify an Internet standard.

1391     Malkin           Jan 93     The Tao of IETF  
                                 A Guide for New Attendees of the  
                                 Internet Engineering Task Force

The purpose of this For Your Information (FYI) RFC is to explain to the newcomers how the IETF works. This will give them a warm, fuzzy feeling and enable them to make the meeting more productive for everyone. This memo provides information for the Internet community. It does not specify an Internet standard.

1390     Katz               Jan 93     Transmission of IP and ARP over FDDI  
                                 Networks

This memo defines a method of encapsulating the Internet Protocol (IP) datagrams and Address Resolution Protocol (ARP) requests and replies on Fiber Distributed Data Interface (FDDI) Networks. [STANDARDS-TRACK]

1389     Malkin           Jan 93     RIP Version 2 MIB Extension

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. [STANDARDS-TRACK]

1388     Malkin           Jan 93     RIP Version 2  
                                 Carrying Additional Information

This document specifies an extension of the Routing Information Protocol (RIP), as defined in [1], to expand the amount of useful information carried in RIP packets and to add a measure of security. [STANDARDS-TRACK]

1387     Malkin            Jan 93     RIP Version 2 Protocol Analysis

As required by Routing Protocol Criteria (RFC 1264), this report documents the key features of the RIP-2 protocol and the current implementation experience. This memo provides information for the Internet community. It does not specify an Internet standard.

1386     Cooper            Dec 92     The US Domain

This is a description of the US Top Level Domains on the Internet. This memo provides information for the Internet community. It does not specify an Internet standard.

1385     Wang              Nov 92     EIP: The Extended Internet Protocol  
   A Framework for Maintaining Backward  
   Compatibility

EIP can substantially reduce the amount of modifications needed to the current Internet systems and greatly ease the difficulties of transition. This is an "idea" paper and discussion is strongly encouraged on Big-Internet@munniari.oz.au. This memo provides information for the Internet community. It does not specify an Internet standard.

1384     Barker            Jan 93     Naming Guidelines for Directory Pilots

This document defines a number of naming guidelines. Alignment to these guidelines is recommended for directory pilots. This memo provides information for the Internet community. It does not specify an Internet standard.

1383     Huitema           Dec 92     An Experiment in DNS Based IP Routing

Potential solutions to the routing explosion. This memo defines an Experimental Protocol for the Internet community.

1382     Throop            Nov 92     SNMP MIB Extension for the X.25 Packet  
   Layer

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets.  
[STANDARDS-TRACK]

1381      Throop            Nov 92      SNMP MIB Extension for X.25 LAPB

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. In particular, it defines objects for managing the Link Layer of X.25, LAPB. [STANDARDS-TRACK]

1380      Gross            Nov 92      IESG Deliberations on Routing and Addressing

This memo summarizes issues surrounding the routing and addressing scaling problems in the IP architecture, and it provides a brief background of the ROAD group and related activities in the Internet Engineering Task Force (IETF). This memo provides information for the Internet community. It does not specify an Internet standard.

1379      Braden            Nov 92      Extending TCP for Transactions -- Concepts

This memo discusses extension of TCP to provide transaction-oriented service, without altering its virtual-circuit operation. This memo provides information for the Internet community. It does not specify an Internet standard.

1378      Parker            Nov 92      The PPP AppleTalk Control Protocol (ATCP)

This document defines the NCP for establishing and configuring the AppleTalk Protocol [3] over PPP. [STANDARDS-TRACK]

1377      Katz                Nov 92      The PPP OSI Network Layer Control Protocol (OSINLCP)

This document defines the NCP for establishing and configuring OSI Network Layer Protocols. [STANDARDS-TRACK]



1372     Hedrick            Oct 92     Telnet Remote Flow Control Option

This document specifies an extended version of the Telnet Remote Flow Control Option, RFC 1080, with the addition of the RESTART-ANY and RESTART-XON suboptions. [STANDARDS-TRACK]

1371     Gross             Oct 92     Choosing a "Common IGP" for the IP  
   Internet  
   (The IESG's Recommendation to the IAB)

This memo presents motivation, rationale and other surrounding background information leading to the IESG's recommendation to the IAB for a single "common IGP" for the IP portions of the Internet. This memo provides information for the Internet community. It does not specify an Internet standard.

1370     I.A.B.            Oct 92     Applicability Statement for OSPF

This Applicability Statement places a requirement on vendors claiming conformance to this standard, in order to assure that users will have the option of deploying OSPF when they need a multivendor, interoperable IGP in their environment. [STANDARDS-TRACK]

1369     Kastenholz        Oct 92     Implementation Notes and Experience for  
   The Internet Ethernet MIB

This document reflects the currently known status of 11 different implementations of the MIB by 7 different vendors on 7 different Ethernet interface chips. This memo provides information for the Internet community. It does not specify an Internet standard.

1368     McMaster          Oct 92     Definitions of Managed Objects for IEEE  
   802.3 Repeater Devices

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. In particular, it defines objects for managing IEEE 802.3 10 Mb/second baseband repeaters, sometimes referred to as "hubs". [STANDARDS-TRACK]

1367      Topolcic          Oct 92      Schedule for IP Address Space  
   Management Guidelines

This memo suggests a schedule for the implementation of the IP network number allocation plan described in RFC 1366. This memo provides information for the Internet community. It does not specify an Internet standard.

1366      Gerich              Oct 92      Guidelines for Management of IP Address  
   Space

This document has been reviewed by the Federal Engineering Task Force (FEPG) on behalf of the Federal Networking Council (FNC), the co-chairs of the International Engineering Planning Group (IEPG), and the Reseaux IP Europeens (RIPE). There was general consensus by those groups to support the recommendations proposed in this document for management of the IP address space. This memo provides information for the Internet community. It does not specify an Internet standard.

1365      Siyan                Spt 92      An IP Address Extension Proposal

This RFC suggests an extension to the IP protocol to solve the shortage of IP address problem, and requests discussion and suggestions for improvements. This memo provides information for the Internet community. It does not specify an Internet standard.

1364      Varadhan            Spt 92      BGP OSPF Interaction

This memo defines the various criteria to be used when designing Autonomous System Border Routers (ASBR) that will run BGP with other ASBRs external to the AS and OSPF as its IGP. [STANDARDS-TRACK]

1363      Partridge            Spt 92      A Proposed Flow Specification

The flow specification defined in this memo is intended for information and possible experimentation (i.e., experimental use by consenting routers and applications only). This RFC is a product of the Internet Research Task Force (IRTF). This memo provides information for the Internet community. It does not specify an Internet standard.





1352      Galvin              Jul 92      SNMP Security Protocols

The Simple Network Management Protocol (SNMP) specification [1] allows for the protection of network management operations by a variety of security protocols. The SNMP administrative model described in [2] provides a framework for securing SNMP network management. In the context of that framework, this memo defines protocols to support the following three security services: data integrity, data origin authentication and data confidentiality. [STANDARDS-TRACK]

1351      Davin                Jul 92      SNMP Administrative Model

This memo presents an elaboration of the SNMP administrative model set forth in [1]. This model provides a unified conceptual basis for administering SNMP protocol entities to support: authentication and integrity, privacy, access control, and cooperation of protocol entities. [STANDARDS-TRACK]

1350      Sollins              Jul 92      THE TFTP PROTOCOL (REVISION 2)

TFTP is a very simple protocol used to transfer files. It is from this that its name comes, Trivial File Transfer Protocol or TFTP. Each nonterminal packet is acknowledged separately. This document describes the protocol and its types of packets. The document also explains the reasons behind some of the design decisions. [STANDARDS-TRACK]

1349      Almquist            Jul 92      Type of Service in the Internet  
   Protocol Suite

This memo changes and clarifies some aspects of the semantics of the Type of Service octet in the Internet Protocol (IP) header.  
[STANDARDS-TRACK]

1348      Manning              Jul 92      DNS NSAP RRs

This RFC defines the format of two new Resource Records (RRs) for the Domain Name System (DNS), and reserves corresponding DNS type mnemonic and numerical codes. This memo defines an Experimental Protocol for the Internet community.



1342      Moore                  Jun 92      Representation of Non-ASCII Text in  
Internet Message Headers

This memo describes an extension to the message format defined in [1] (known to the IETF Mail Extensions Working Group as "RFC 1341"), to allow the representation of character sets other than ASCII in RFC 822 message headers. [STANDARDS-TRACK]

1341      Borenstein              Jun 92      MIME: Mechanisms for Specifying and  
Describing the Format of Internet  
Message Bodies

This document redefines the format of message bodies to allow multi-part textual and non-textual message bodies to be represented and exchanged without loss of information. [STANDARDS-TRACK]

1340      Reynolds                Jul 92      ASSIGNED NUMBERS

This Network Working Group Request for Comments documents the currently assigned values from several series of numbers used in network protocol implementations. This memo is a status report on the parameters (i.e., numbers and keywords) used in protocols in the Internet community.

1339      Dorner                  Jun 92      Remote Mail Checking Protocol

This RFC defines a protocol to provide a mail checking service to be used between a client and server pair. Typically, a small program on a client workstation would use the protocol to query a server in order to find out whether new mail has arrived for a specified user. This memo defines an Experimental Protocol for the Internet community.

1338      Fuller                   Jun 92      Supernetting: an Address Assignment  
and Aggregation Strategy

This memo discusses strategies for address assignment of the existing IP address space with a view to conserve the address space and stem the explosive growth of routing tables in default-route-free routers run by transit routing domain providers. This memo provides information for the Internet community. It does not specify an Internet standard.

1337 Braden May 92 TIME-WAIT Assassination Hazards in TCP

This note describes some theoretically-possible failure modes for TCP connections and discusses possible remedies. In particular, one very simple fix is identified. This memo provides information for the Internet community. It does not specify an Internet standard.

1336 Malkin May 92 Who's Who in the Internet  
Biographies of IAB, IESG and  
IRSG Members

This FYI RFC contains biographical information about members of the Internet Activities Board (IAB), the Internet Engineering Steering Group (IESG) of the Internet Engineering Task Force (IETF), and the the Internet Research Steering Group (IRSG) of the Internet Research Task Force (IRTF). This memo provides information for the Internet community. It does not specify any standard.

1335 Wang May 92 A Two-Tier Address Structure for the  
Internet: A Solution to the Problem  
of Address Space Exhaustion

This RFC presents a solution to problem of address space exhaustion in the Internet. It proposes a two-tier address structure for the Internet. This is an "idea" paper and discussion is strongly encouraged. This memo provides information for the Internet community. It does not specify an Internet standard.

1334 Lloyd Oct 92 PPP Authentication Protocols

This document defines two protocols for Authentication: the Password Authentication Protocol and the Challenge-Handshake Authentication Protocol. [STANDARDS-TRACK]

1333 Simpson May 92 PPP Link Quality Monitoring

The Point-to-Point Protocol (PPP) [1] provides a standard method of encapsulating Network Layer protocol information over point-to-point links. PPP also defines an extensible Link Control Protocol, which allows negotiation of a Quality Protocol for continuous monitoring of the viability of the link. [STANDARDS-TRACK]





1324     Reed                    May 92     A Discussion on Computer Network  
   Conferencing

This memo is intended to make more people aware of the present developments in the Computer Conferencing field as well as put forward ideas on what should be done to formalize this work so that there is a common standard for programmers and others who are involved in this field to work with. This memo provides information for the Internet community. It does not specify an Internet standard.

1323     Jacobson               May 92     TCP Extensions for High Performance

This memo presents a set of TCP extensions to improve performance over large bandwidth\*delay product paths and to provide reliable operation over very high-speed paths. It defines new TCP options for scaled windows and timestamps, which are designed to provide compatible interworking with TCP's that do not implement the extensions.  
[STANDARDS-TRACK]

1322     Estrin                 May 92     A Unified Approach to Inter-Domain  
   Routing

This memo is an informational RFC which outlines one potential approach for inter-domain routing in future global internets. This memo provides information for the Internet community. It does not specify an Internet standard.

1321     Rivest                 Apr 92     The MD5 Message-Digest Algorithm

This document describes the MD5 message-digest algorithm. The algorithm takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input. This memo provides information for the Internet community. It does not specify an Internet standard.

1320     Rivest                 Apr 92     The MD4 Message-Digest Algorithm

This document describes the MD4 message-digest algorithm [1]. The algorithm takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input. This memo provides information for the Internet community. It does not specify an Internet standard.



1314     Katz                    Apr 92     A File Format for the Exchange of  
   Images in the Internet

This document defines a standard file format for the exchange of fax-like black and white images within the Internet. [STANDARDS-TRACK]

1313     Partridge            Apr 92     Today's Programming for KRFC AM 1313  
   Internet Talk Radio

Hi and welcome to KRFC Internet Talk Radio, your place on the AM dial for lively talk and just-breaking news on internetworking. This memo provides information for the Internet community. It does not specify an Internet standard.

1312     Nelson                Apr 92     Message Send Protocol 2

The Message Send Protocol is used to send a short message to a given user on a given terminal on a given host. This memo defines an Experimental Protocol for the Internet community.

1311     Postel                Mar 92     Introduction to the STD Notes

The STDs are a subseries of notes within the RFC series that are the Internet standards. The intent is to identify clearly for the Internet community those RFCs which document Internet standards. [STANDARDS-TRACK]

1310     I.A.B.                Mar 92     The Internet Standards Process

This memo documents the process currently used for the standardization of Internet protocols and procedures. [STANDARDS-TRACK]

1309     Weider                Mar 92     Technical Overview of Directory  
   Services Using the X.500 Protocol

This document is an overview of the X.500 standard for people not familiar with the technology. It compares and contrasts Directory Services based on X.500 with several of the other Directory services currently in use in the Internet. This paper also describes the status of the standard and provides references for further information on X.500 implementations and technical information. This memo provides information for the Internet community. It does not specify an Internet standard.



1303      McCloghrie      Feb 92      A Convention for Describing SNMP-based Agents

This memo suggests a straight-forward approach towards describing SNMP-based agents. This memo provides information for the Internet community. It does not specify an Internet standard.

1302      Sitzler              Feb 92      Building a Network Information Services Infrastructure

This FYI RFC document is intended for existing Internet Network Information Center (NIC) personnel, people interested in establishing a new NIC, Internet Network Operations Centers (NOCs), and funding agencies interested in contributing to user support facilities. This memo provides information for the Internet community. It does not specify an Internet standard.

1301      Armstrong            Feb 92      Multicast Transport Protocol

This memo describes a protocol for reliable transport that utilizes the multicast capability of applicable lower layer networking architectures. The transport definition permits an arbitrary number of transport providers to perform realtime collaborations without requiring networking clients (aka, applications) to possess detailed knowledge of the population or geographical dispersion of the participating members. It is not network architectural specific, but does implicitly require some form of multicasting (or broadcasting) at the data link level, as well as some means of communicating that capability up through the layers to the transport. This memo provides information for the Internet community. It does not specify an Internet standard.

1300      Greenfield            Feb 92      Remembrances of Things Past

Poem. This memo provides information for the Internet community. It does not specify an Internet standard.

#### Security Considerations

Security issues are not discussed in this memo.

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