

Network Working Group  
Request for Comments: 1299  
Category: Informational

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ISI  
January 1997

## Request for Comments Summary

### RFC Numbers 1200-1299

#### Status of This Memo

This RFC is a slightly annotated list of the 100 RFCs from RFC 1200 through RFCs 1299. 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 -----
1299	Kennedy	Jan 97	Requests For Comments Summary

This memo.

1298	Wormley	Feb 92	SNMP over IPX
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This memo defines a convention for encapsulating Simple Network Management Protocol (SNMP) packets over the transport mechanism provided via the Internetwork Packet Exchange (IPX) protocol. This memo provides information for the Internet community. It does not specify an Internet standard.

1297      Johnson      Jan 92      NOC Internal Integrated Trouble Ticket  
   System  
   Functional Specification Wishlist

This document explores competing uses, architectures, and desirable features of integrated internal trouble ticket systems for Network and other Operations Centers. This memo provides information for the Internet community. It does not specify an Internet standard.

1296      Lottor      Jan 92      Internet Growth (1981-1991)

This document illustrates the growth of the Internet by examination of entries in the Domain Name System (DNS) and pre-DNS host tables. This memo provides information for the Internet community. It does not specify an Internet standard.

1295 N.A.D.F.      Jan 92      User Bill of Rights for entries  
   and listings in the Public Directory

This RFC is a near-verbatim copy of a document, known as NADF-265, which has been produced by the North American Directory Forum (NADF). This memo provides information for the Internet community. It does not specify an Internet standard.

1294      Bradley      Jan 92      Multiprotocol Interconnect over Frame  
   Relay

This memo describes an encapsulation method for carrying network interconnect traffic over a Frame Relay backbone. It covers aspects of both Bridging and Routing. [STANDARDS-TRACK]

1293      Bradley      Jan 92      Inverse Address Resolution Protocol

This memo describes additions to ARP that will allow a station to request a protocol address corresponding to a given hardware address. [STANDARDS-TRACK]

1292      Lang                      Jan 92      A Catalog of Available X.500  
   Implementations

The goal of this document is to provide information regarding the availability and capability of implementations of X.500. This memo provides information for the Internet community. It does not specify an Internet standard.

1291      Aggarwal                Dec 91      Mid-Level Networks Potential  
   Technical Services

This document proposes a set of technical services that each Internet mid-level network can offer within the mid-level network itself and to its peer networks. This RFC provides information for the Internet community. It does not specify an Internet standard.

1290      Martin                    Dec 91      There's Gold in them thar Networks!  
   or Searching for Treasure in all the  
   Wrong Places

This paper will present some of the "gold nuggets" of information and file repositories on the network that could be of use to end users. This RFC provides information for the Internet community. It does not specify an Internet standard.

1289      Saperia                    Dec 91      DECnet Phase IV MIB Extensions

This memo is an extension to the SNMP MIB. This memo defines a set of DECnet Phase IV extensions that have been created for the Internet MIB. [STANDARDS-TRACK]

1288      Zimmerman                Dec 91      The Finger User Informational Protocol

This memo describes the Finger user information protocol. This is a simple protocol which provides an interface to a remote user information program. [STANDARDS-TRACK]

1287      Clark                        Dec 91      Towards the Future Internet Architecture

This informational RFC discusses important directions for possible future evolution of the Internet architecture, and suggests steps towards the desired goals. This memo provides information for the Internet community. It does not specify an Internet standard.



1280 IAB Mar 92 IAB Official Protocol Standards

This memo describes the state of standardization of protocols used in the Internet as determined by the Internet Activities Board (IAB). This memo provides information for the Internet community. It does not specify an Internet standard.

1279 Hardcastle-Kille Nov 91 X.500 and Domains

This RFC considers X.500 in relation to Internet and UK Domains. This memo defines an Experimental Protocol for the Internet community. It does not specify an Internet standard.

1278 Hardcastle-Kille Nov 91 A string encoding of Presentation Address

There are a number of environments where a simple string encoding of Presentation Address is desirable. This specification defines such a representation. This memo provides information for the Internet community. It does not specify an Internet standard.

1277 Hardcastle-Kille Nov 91 Encoding Network Addresses  
to support operation over non-OSI  
lower layers

This document defines a new network address format, and rules for using some existing network address formats. [STANDARDS-TRACK]

1276 Hardcastle-Kille Nov 91 Replication and Distributed  
Operations extensions to provide  
an Internet Directory using X.500

Some requirements on extensions to X.500 are described in the RFC[HK91b], in order to build an Internet Directory using X.500(1988). This document specifies a set of solutions to the problems raised. [STANDARDS-TRACK]

1275      Hardcastle-Kille    Nov 91      Replication Requirements to provide  
   an Internet Directory using X.500

This RFC considers certain deficiencies of the 1988 X.500 standard, which need to be addressed before an effective open Internet Directory can be established using these protocols and services [CCI88]. This memo provides information for the Internet community. It does not specify an Internet standard.

1274      Barker      Nov 91      The COSINE and Internet X.500 Schema

This document suggests an X.500 Directory Schema, or Naming Architecture, for use in the COSINE and Internet X.500 pilots. [STANDARDS-TRACK]

1273      Schwartz    Nov 91      A Measurement Study of Changes in  
   Service-Level Reachability in the Global  
   TCP/IP Internet: Goals, Experimental Design,  
   Implementation, and Policy Considerations

This memo describes plans to carry out a longitudinal measurement study of changes in service-level reachability in the global TCP/IP Internet. This memo provides information for the Internet community. It does not specify an Internet standard.

1272      Mills      Nov 91      Internet Accounting: Background

This document provides background information for the "Internet Accounting Architecture". This memo provides information for the Internet community. It does not specify an Internet standard.

1271      Waldbusser    Nov 91      Remote Network Monitoring Management  
   Information Base

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 remote network monitoring devices. [STANDARDS-TRACK]

**1270 Kastenholz Oct 91 SNMP Communications Services**

This document discusses various issues to be considered when determining the underlying communications services to be used by an SNMP implementation. This memo provides information for the Internet community. It does not specify an Internet standard.

1269	Willis	Oct 91	Definitions of Managed Objects for the Border Gateway Protocol (Version 3)
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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 the Border Gateway Protocol.**  
[STANDARDS-TRACK]

1268	Rekhter	Oct 91	Application of the Border Gateway Protocol in the Internet
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**This document describes the usage of the BGP in the Internet.  
[STANDARDS-TRACK]**

1267	Lougheed	Oct 91	A Border Gateway Protocol 3 (BGP-3)
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**This memo, together with its companion document, "Application of the Border Gateway Protocol in the Internet", define an inter-autonomous system routing protocol for the Internet. [STANDARDS-TRACK]**

1266	Rekhter	Oct 91	Experience with the BGP Protocol
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The purpose of this memo is to document how the requirements for advancing a routing protocol to Draft Standard have been satisfied by Border Gateway Protocol (BGP). This memo provides information for the Internet community. It does not specify an Internet standard.

## 1265    Rekhter    Oct 91    BGP Protocol Analysis

**This report summarizes the key feature of BGP, and analyzes the protocol with respect to scaling and performance. This memo provides information for the Internet community. It does not specify an Internet standard.**

1264    Hinden        Oct 91    Internet Engineering Task Force  
                                 Internet Routing Protocol Standardization  
                                 Criteria

This informational RFC presents procedures for creating and documenting Internet standards on routing protocols. These procedures have been established by the Internet Activities Board (IAB) in consultation with the Internet Engineering Steering Group (IESG). This memo provides information for the Internet community. It does not specify an Internet standard.

1263    O'Malley    Oct 91    TCP Extensions Considered Harmful

This RFC comments on recent proposals to extend TCP. It argues that the backward compatible extensions proposed in RFC's 1072 and 1185 should not be pursued, and proposes an alternative way to evolve the Internet protocol suite. This memo provides information for the Internet community. It does not specify an Internet standard.

1262    IAB            Oct 91    Guidelines for Internet Measurement Activities

This RFC represents IAB guidance for researchers considering measurement experiments on the Internet. This memo provides information for the Internet community. It does not specify an Internet standard.

1261    Williamson    Sept 91    Transition of NIC Services

This memo outlines the transition of NIC Services. This memo provides information for the Internet community. It does not specify an Internet standard.

1260    Never issued.

1259    Kapor            Sept 91    Building The Open Road:  
                                 The NREN As Test-Bed For The National  
                                 Public Network

This memo discusses the background and importance of NREN. This memo provides information for the Internet community. It does not specify an Internet standard.



## 1258 Kantor Sept 91 BSD Rlogin

The rlogin facility provides a remote-echoed, locally flow-controlled virtual terminal with proper flushing of output. This memo documents an existing protocol and common implementation that is extensively used on the Internet. This memo provides information for the Internet community. It does not specify an Internet standard.

## 1257 Partridge Sept 91 Isochronous Applications Do Not Require Jitter-Controlled Networks

This memo argues that jitter control is not required for networks to support isochronous applications. This memo provides information for the Internet community. It does not specify an Internet standard.

## 1256 Deering Sept 91 ICMP Router Discovery Messages

This document specifies an extension of the Internet Control Message Protocol (ICMP) to enable hosts attached to multicast or broadcast networks to discover the IP addresses of their neighboring routers. [STANDARDS-TRACK]

## 1255 N.A.D.F. Sept 91 A Naming Scheme for c=US

This memo documents the NADF's agreement as to how entries are named in the public portions of the North American Directory. This memo provides information for the Internet community. It does not specify an Internet standard.

## 1254 Mankin Aug 91 Gateway Congestion Control Survey

The purpose of this paper is to present a review of the congestion control approaches, as a way of encouraging new discussion and experimentation. Included in the survey are Source Quench, Random Drop, Congestion Indication (DEC Bit), and Fair Queueing.

## 1253 Baker Aug 91 OSPF Version 2 Management Information Base

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 OSPF Version 2. [STANDARDS-TRACK]

**1252     Baker     Aug 91     OSPF Version 2 Management Information Base**

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 OSPF Version 2. [STANDARDS-TRACK]

**1251     Malkin     Aug 91     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 an Internet standard. [FYI 9]

**1250     IAB     Aug 91     IAB Official Protocol Standards**

This memo describes the state of standardization of protocols used in the Internet as determined by the Internet Activities Board (IAB). This memo provides information for the Internet community. It does not specify an Internet standard.

**1249     Howes     Aug 91     DIXIE Protocol Specification**

This RFC defines a mechanism by which TCP/UDP based clients can access OSI Directory Service without the overhead of the ISO transport and presentation protocols required to implement full-blown DAP. This memo provides information for the Internet community. It does not specify any standard.

**1248     Baker     Jul 91     OSPF Version 2 Management Information Base**

This memo defines an experimental 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 OSPF Version 2. [STANDARDS-TRACK]

**1247     Moy     Jul 91     OSPF Version 2**

This memo documents version 2 of the OSPF protocol. OSPF is a link-state based routing protocol. [STANDARDS-TRACK]

**1246 Moy Jul 91 Experience with the OSPF protocol**

This report documents experience with OSPF V2. This includes reports on interoperability testing, field experience, simulations and the current state of OSPF implementations. This memo provides information for the Internet community. It does not specify any Internet standard.

**1245 Moy Jul 91 OSPF protocol analysis**

This report attempts to summarize the key features of OSPF V2. It also attempts to analyze how the protocol will perform and scale in the Internet. This memo provides information for the Internet community. It does not specify any Internet standard.

**1244 Holbrook Jul 91 Site Security Handbook**

This FYI RFC is a first attempt at providing Internet users guidance on how to deal with security issues in the Internet. This FYI RFC provides information for the Internet community. It does not specify an Internet standard. [FYI 8]

**1243 Waldbusser Jul 91 AppleTalk Management Information Base**

This memo defines objects for managing AppleTalk objects for use with the SNMP protocol. [STANDARDS-TRACK]

**1242 Bradner Jul 91 Benchmarking Terminology for Network Interconnection Devices**

This memo discusses and defines a number of terms that are used in describing performance benchmarking tests and the results of such tests. This memo provides information for the Internet community. It does not specify an Internet standard.

**1241 Woodburn Jul 91 A Scheme for an Internet Encapsulation Protocol: Version 1**

This memo defines an Experimental Protocol for the Internet community. It does not specify an Internet standard.

1240 Shue Jun 91 OSI Connectionless Transport Services  
on top of UDP  
Version: 1

This document describes a protocol for running OSI Connectionless service on UDP. [STANDARDS-TRACK]

1239 Reynolds Jun 91 Reassignment of Experimental MIBs to  
Standard MIBs

This memo specifically updates RFC 1229, RFC 1230, RFC 1231, RFC 1232 and RFC 1233 with new codes. [STANDARDS-TRACK]

1238 Satz Jun 91 CLNS MIB for use with Connectionless  
Network Protocol (ISO 8473) and  
End System to Intermediate System (ISO 9542)

This memo defines an experimental portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. This is an Experimental Protocol for the Internet community. It does not specify an Internet standard.

1237 Colella Jul 91 Guidelines for OSI NSAP Allocation  
in the Internet

This paper provides guidelines for allocating NSAPs in the Internet. [STANDARDS-TRACK]

1236 Morales Jun 91 IP to X.121 Address Mapping for DDN  
A Model for Routing in the Internet

This memo defines a standard way of converting IP addresses to CCITT X.121 addresses and is the recommended standard for use on the Internet, specifically for the Defense Data Network (DDN). This memo provides information for the Internet community. It does not specify an Internet standard.

1235 Ioannidis Jun 91 The Coherent File Distribution Protocol

This memo describes the Coherent File Distribution Protocol (CFDP). This is an Experimental Protocol for the Internet community. It does not specify an Internet standard.

1234 Provan Jun 91 Tunneling IPX Traffic through IP Networks

This memo describes a method of encapsulating IPX datagrams within UDP packets so that IPX traffic can travel across an IP internet. [STANDARDS-TRACK]

1233 Cox May 91 Definitions of Managed Objects for the DS3 Interface Type

This memo defines objects for managing DS3 Interface objects for use with the SNMP protocol. [STANDARDS-TRACK]

1234 Baker May 91 Definitions of Managed Objects for the DS1 Interface Type

This memo defines objects for managing DS1 Interface objects for use with the SNMP protocol. [STANDARDS-TRACK]

1231 McCloghrie May 91 IEEE 802.5 Token Ring MIB

This memo defines an experimental portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. In particular, this memo defines managed objects used for managing subnetworks which use the IEEE 802.5 Token Ring technology described in 802.5 Token Ring Access Method and Physical Layer Specifications, IEEE Standard 802.5-1989. [STANDARDS-TRACK]

1230 McCloghrie May 91 IEEE 802.4 Token Bus MIB

This memo defines an experimental portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. In particular, this memo defines managed objects used for managing subnetworks which use the IEEE 802.4 Token Bus technology described in 802.4 Token-Passing Bus Access Method and Physical Layer Specifications, IEEE Standard 802.4. [STANDARDS-TRACK]

1229 McCloghrie May 91 Extensions to the Generic-Interface MIB

This RFC contains definitions of managed objects used as experimental extensions to the generic interfaces structure of MIB-II. [STANDARDS-TRACK]

1228    Carpenter      May 91    Simple Network Management Protocol  
   Distributed Program Interface

This RFC describes a protocol that International Business Machines Corporation (IBM) has been implementing in most of its SNMP agents to allow dynamic extension of supported MIBs. This is an Experimental Protocol for the Internet community. It does not specify an Internet standard.

1227    Rose            May 91    SNMP MUX Protocol and MIB

This memo suggests a mechanism by which a user process may associate itself with the local SNMP agent on a host, in order to implement portions of the MIB. This mechanism would be local to the host. This is an Experimental Protocol for the Internet community. It does not specify an Internet standard.

1226    Kantor        May 91    Internet Protocol Encapsulation of AX.25 Frame

This memo describes a method for the encapsulation of AX.25 (the Amateur Packet-Radio Link-Layer Protocol) frames within IP packets. This technique is an Experimental Protocol for the Internet community. It does not specify an Internet standard.

1225    Rose            May 91    Post Office Protocol - Version 3

This memo suggests a simple method for workstations to dynamically access mail from a mailbox server. [STANDARDS-TRACK]

1224    Steinberg    May 91    Techniques for Managing Asynchronously  
   Generated Alerts

This memo defines common mechanisms for managing asynchronously produced alerts in a manner consistent with current network management protocols. This memo specifies an Experimental Protocol for the Internet community. It does not specify an Internet standard.

1223 Halpern May 91 OSI CLNS and LLC1 Protocols on Network Systems  
HYPERchannel

The intent of this document is to provide a complete discussion of the protocols and techniques used to transmit OSI CLNS and LLC1 datagrams (and any associated higher level protocols) on Network Systems Corporation's HYPERchannel equipment. This memo provides information for the Internet community. It does not specify an Internet standard.

1222 Braun May 91 Advancing the NSFNET Routing Architecture

This RFC suggests improvements in the NSFNET routing architecture to accommodate a more flexible interface to the Backbone clients. This memo provides information for the Internet community. It does not specify an Internet standard.

1221 Edmond Apr 91 Host Access Protocol (HAP) Specification  
- Version 2

This memo describes the Host Access Protocol implemented in the Terrestrial Wideband Network (TWBNET). This memo provides information for the Internet community. It does not specify an Internet standard.

1220 Baker Apr 91 Point-to-Point Protocol Extensions  
for Bridging

This document defines an extension of the Internet Point-to-Point Protocol (PPP) described in RFC 1171, targeting the use of Point-to-Point lines for Remote Bridging. [STANDARDS-TRACK]

1219 Tsuchiya Apr 91 On the Assignment of Subnet Numbers

This memo suggests a new procedure for assigning subnet numbers. Use of this assignment technique within a network would be a purely local matter, and would not effect other networks. This memo provides information for the Internet community. It does not specify an Internet standard.

1218 N.A.D.F. Apr 91 A Naming Scheme for c=US

This RFC is a near-verbatim copy of a document, known as NADF-123, which has been produced by the North American Directory Forum (NADF). As a part of its charter, the NADF must reach agreement as to how entries are named in the public portions of the North American Directory. This memo provides information for the Internet community. It does not specify an Internet standard.

1217 Cerf Apr 91 Memo from the Consortium for Slow Commotion Research (CSCR)

This RFC is in response to RFC 1216, "Gigabit Network Economics and Paradigm Shifts". This memo provides information for the Internet community. It does not specify an Internet standard.

1216 P.R.A.I. Apr 91 Gigabit Network Economics and Paradigm Shifts

This memo proposes a new standard paradigm for the Internet Activities Board (IAB) standardization track. [STANDARDS-TRACK]

1215 Rose Mar 91 A Convention for Defining Traps  
for use with the SNMP

This memo suggests a straight-forward approach towards defining traps used with the SNMP. This memo provides information for the Internet community. It does not specify any standard.

1214 Labarre Apr 91 OSI Internet Management: Management  
Information Base

This RFC documents a MIB for use with CMIP, either over pure OSI stacks or with the CMIP over TCP specification. It redefines objects comprised by the second revision of the Management Information Base for Network Management of TCP/IP-based internets: MIB-II so as to conform to the OSI structure of management information. [STANDARDS-TRACK]



1213 McCloghrie Mar 91 Management Information Base for Network  
Management of TCP/IP-based internets:  
MIB-II

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

1212 Rose Mar 91 Concise MIB Definitions

This memo describes a straight-forward approach toward producing concise, yet descriptive, MIB modules. This memo defines a format for producing MIB modules. [STANDARDS-TRACK]

1211 Westine Mar 91 Problems with the Maintenance of Large  
Mailing Lists

This RFC discusses problems with maintaining large mailing lists, especially the processing of error reports. This memo provides information for the Internet community. It does not specify an Internet standard.

1210 Cerf Mar 91 Network and Infrastructure User  
Requirements for Transatlantic Research  
Collaboration

This report complements a shorter printed version which appeared in a summary report of all the committees which met in Brussels and Washington last July, 1990. This memo provides information for the Internet community. It does not specify an Internet standard.

1209 Piscitello Mar 91 The Transmission of IP Datagrams over the  
SMDS Service

This memo defines a protocol for the transmission of IP and ARP packets over a Switched Multi-megabit Data Service Network configured as a logical IP subnetwork. [STANDARDS-TRACK]



1203    Rice            Feb 91    Interactive Mail Access Protocol  
   - Version 3

This RFC suggests a method for workstations to access mail dynamically from a mailbox server ("repository"). The following document is a modified version of RFC 1064, the definition of the IMAP2 protocol. This RFC specifies an Experimental Protocol for the Internet community. It does not specify any standard.

1202    Rose            Feb 91    Directory Assistance Service

This document defines a mechanism by which a user-interface may access a textual DAP-like interface over a TCP/IP connection. This is a local mechanism. This memo provides information for the Internet community. It does not specify any standard.

1201    Provan          Feb 91    Transmitting IP Traffic over ARCNET  
   Networks

This memo defines a protocol for the transmission of IP and ARP packets over the ARCnet Local Area Network. This memo specifies a method of encapsulating Internet Protocol (IP) and Address Resolution Protocol (ARP) datagrams for transmission across ARCNET using the "ARCNET Packet Header Definition Standard". [STANDARDS-TRACK]

1200    IAB              Apr 91    IAB Official Protocol Standards

This memo describes the state of standardization of protocols used in the Internet as determined by the Internet Activities Board (IAB). An overview of the standards procedures is presented first, followed by discussions of the standardization process and the RFC document series, then the explanation of the terms is presented, the lists of protocols in each stage of standardization follows, and finally pointers to references and contacts for further information.

## Security Considerations

Security issues are not discussed in this memo.

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