Network Working Group   RFC Editor
Request for Comments: 5000   USC/ISI
STD: 1   May 2008
Obsoletes: 3700
Category: Informational

                  Internet Official Protocol Standards

Status of This Memo

IESG Note

   This document obsoletes RFC 3700. It also reclassifies RFCs that
   were previously published as STD 1 as Historic. More specifically,
   this RFC moves RFCs 3000, 3300, 3600, and 3700 to Historic status.

Abstract

   This document is published by the RFC Editor to provide a summary of
   the current standards protocols (as of 18 February 2008). It lists
   those official protocol standards, Best Current Practice, and
   Experimental RFCs that have not been obsoleted; it is not a complete
   index to the RFC series. Newly published RFCs and RFCs whose status
   has changed are starred.

   For an up-to-date list, see http://www.rfc-editor.org/rfcxx00.html,
   which is updated daily.

Table of Contents

1. Overview

   This memo contains a snapshot of the state of standardization of
   protocols used in the Internet, as determined by the Internet
   Engineering Task Force (IETF). It is a 18 February 2008 snapshot of
   the current official protocol standards list and the Best Current
   Practice list, which is updated daily and is available from the RFC
   Editor Web site.

   The RFC Editor publishes Request for Comments (RFC) documents that
   are the output of 4 streams: IAB, IETF, IRTF, and Independent
   Submission via the RFC Editor.

   This memo is published by the RFC Editor for the IESG and IAB, in
   which the categorizations are in accordance with Section 2.1 of "The
   Internet Standards Process -- Revision 3", RFC 2026, which specifies
   the rules and procedures by which all Internet standards are set.
   Sections 3.1 - 3.7 of this memo contain the lists of protocols in
   each stage of standardization - Standard, Draft Standard, Proposed
   Standard, Experimental, as well as Best Current Practice documents.
   Protocols that are new to this document or have been moved from one
   protocol level to another, or that differ from the previous edition
   of this document are marked with an asterisk. Informational and
   Historic RFCs are not included. This list is not a complete index to
   RFCs.

2. RFC Resources and Retrieval

   This list is a live document that is updated daily on the RFC Editor
   site at:

      http://www.rfc-editor.org/rfcxx00.html

   RFCs are available online via http and ftp as:

      http://www.rfc-editor.org/rfc/rfcXXXX.txt
      ftp://ftp.rfc-editor.org/in-notes/rfcXXXX.txt

   where XXXX represents the corresponding RFC number.

   The RFC Editor maintains the official repository of all RFCs and
   indexes to them. The site also provides additional information about
   the history of the RFC Editor, current submission and review
   procedures, and editorial and publication procedures. Please see the
   RFC Editor site for all other RFC related information:

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3. Current Technical Specifications

3.1. Standard Protocols Ordered by STD

   [Note: an asterisk at the end of a line indicates a change from the
   previous edition of this document.]

```
Mnemonic    Title                                            RFC# STD#
--------------------------------------------------------------------------
--------    Internet Official Protocol Standards             5000*  1
--------    [Reserved for Assigned Numbers. See RFC 1700 and  xxx   2
               RFC 3232.]
--------    Requirements for Internet Hosts - Communication  1122   3
               Layers
--------    Requirements for Internet Hosts - Application and 1123   3
               Support
--------    [Reserved for Router Requirements. See RFC 1812.] xxx   4
IP          Internet Protocol                                 791   5
ICMP        Internet Control Message Protocol                 792   5
--------    Broadcasting Internet Datagrams                   919   5
--------    Broadcasting Internet datagrams in the presence of 922   5
               subnets
--------    Internet Standard Subnetting Procedure            950   5
IGMP        Host extensions for IP multicasting              1112   5
UDP         User Datagram Protocol                            768   6
TCP         Transmission Control Protocol                     793   7
TELNET      Telnet Protocol Specification                     854   8
FTP         File Transfer Protocol                            959   9
--------    ["Mail routing and the domain system". Was RFC 974 xxx  10
               (STANDARD), Now HISTORIC.]
SMTP        ["Simple Mail Transfer Protocol". Was RFC 821     xxx  10
               (STANDARD), Obsoleted by RFC 2821 (PROPOSED
               STANDARD)]
--------    ["SMTP Service Extensions". Was RFC 1869          xxx  10
               (STANDARD), Obsoleted by RFC 2821 (PROPOSED
               STANDARD)]
SMTP-SIZE   SMTP Service Extension for Message Size Declaration 1870 10
MAIL        ["STANDARD FOR THE FORMAT OF ARPA INTERNET TEXT   xxx  11
               MESSAGES". Was RFC 822 (STANDARD), Obsoleted by
               RFC 2822 (PROPOSED STANDARD)]
--------    [Reserved for Network Time Protocol (NTP). See RFC xxx  12
               1305.]
DOMAIN      Domain names - concepts and facilities           1034  13
DOMAIN      Domain names - implementation and specification  1035  13
--------    [Was Mail Routing and the Domain System. Now      xxx  14
               Historic.]
--------    [Was Simple Network Management Protocol. Now      xxx  15
               Historic.]
```

```
SMI        Structure and identification of management       1155   16
              information for TCP/IP-based internets
Concise-MI Concise MIB definitions                          1212   16
MIB-II     Management Information Base for Network Management 1213  17
              of TCP/IP-based internets:MIB-II
--------   [Was Exterior Gateway Protocol (RFC 904). Now     xxx   18
              Historic.]
NETBIOS    Protocol standard for a NetBIOS service on a     1001   19
              TCP/UDP transport: Concepts and methods
NETBIOS    Protocol standard for a NetBIOS service on a     1002   19
              TCP/UDP transport: Detailed specifications
ECHO       Echo Protocol                                     862   20
DISCARD    Discard Protocol                                  863   21
CHARGEN    Character Generator Protocol                      864   22
QUOTE      Quote of the Day Protocol                         865   23
USERS      Active users                                      866   24
DAYTIME    Daytime Protocol                                  867   25
TIME       Time Protocol                                     868   26
TOPT-BIN   Telnet Binary Transmission                          0   27
TOPT-ECHO  Telnet Echo Option                                  0   28
TOPT-SUPP  Telnet Suppress Go Ahead Option                     0   29
--------   Telnet Status Option                              859   30
TOPT-TIM   Telnet Timing Mark Option                           0   31
TOPT-EXTOP Telnet Extended Options: List Option                0   32
TFTP       The TFTP Protocol (Revision 2)                   1350   33
--------   [Was Routing Information Protocol (RIP). Replaced  xxx  34
              by STD 56.]
TP-TCP     ISO Transport Service on top of the TCP Version: 3 1006 35
IP-FDDI    Transmission of IP and ARP over FDDI Networks    1390   36
ARP        Ethernet Address Resolution Protocol: Or          826   37
              Converting Network Protocol Addresses to 48.bit
              Ethernet Address for Transmission on Ethernet
              Hardware
RARP       A Reverse Address Resolution Protocol             903   38
IP-ARPA    [Was BBN Report 1822 (IMP/Host Interface).  Now   xxx   39
              Historic.]
IP-WB      Host Access Protocol specification                907   40
IP-E       A Standard for the Transmission of IP Datagrams   894   41
              over Ethernet Networks
IP-EE      Standard for the transmission of IP datagrams over 895  42
              experimental Ethernet networks
IP-IEEE    Standard for the transmission of IP datagrams over 1042 43
              IEEE 802 networks
IP-DC      DCN Local-Network Protocols                       891   44
IP-HC      Internet Protocol on Network System's            1044   45
              HYPERchannel: Protocol Specification
IP-ARC     Transmitting IP traffic over ARCNET networks     1201   46
```

```
IP-SLIP    Nonstandard for transmission of IP datagrams over  1055   47
              serial lines: SLIP
IP-NETBIOS Standard for the transmission of IP datagrams over 1088   48
              NetBIOS networks
IP-IPX     Standard for the transmission of 802.2 packets     1132   49
              over IPX networks
--------   [Reserved for Definitions of Managed Objects for    xxx   50
              the Ethernet-like Interface Types. See RFC 3638.]
PPP        The Point-to-Point Protocol (PPP)                  1661   51
PPP-HDLC   PPP in HDLC-like Framing                           1662   51
IP-SMDS    The Transmission of IP Datagrams over the SMDS     1209   52
              Service
POP3       Post Office Protocol - Version 3                   1939   53
OSPF2      OSPF Version 2                                     2328   54
IP-FR      Multiprotocol Interconnect over Frame Relay        2427   55
RIP2       RIP Version 2                                      2453   56
RIP2-APP   RIP Version 2 Protocol Applicability Statement     1722   57
SMIv2      Structure of Management Information Version 2       2578   58
              (SMIv2)
CONV-MIB   Textual Conventions for SMIv2                      2579   58
CONF-MIB   Conformance Statements for SMIv2                   2580   58
RMON-MIB   Remote Network Monitoring Management Information    2819   59
              Base
SMTP-Pipe  SMTP Service Extension for Command Pipelining      2920   60
ONE-PASS   A One-Time Password System                         2289   61
ARCH-SNMP  An Architecture for Describing Simple Network      3411   62
              Management Protocol (SNMP) Management Frameworks
MPD-SNMP   Message Processing and Dispatching for the Simple  3412   62
              Network Management Protocol (SNMP)
SNMP-APP   Simple Network Management Protocol (SNMP)          3413   62
              Applications
USM-SNMPV3 User-based Security Model (USM) for version 3 of   3414   62
              the Simple Network Management Protocol (SNMPv3)
VACM-SNMP  View-based Access Control Model (VACM) for the     3415   62
              Simple Network Management Protocol (SNMP)
OPS-MIB    Version 2 of the Protocol Operations for the       3416   62
              Simple Network Management Protocol (SNMP)
TRANS-MIB  Transport Mappings for the Simple Network          3417   62
              Management Protocol (SNMP)
SNMPv2-MIB Management Information Base (MIB) for the Simple    3418   62
              Network Management Protocol (SNMP)
UTF-8      UTF-8, a transformation format of ISO 10646        3629   63
RTP        RTP: A Transport Protocol for Real-Time            3550   64
              Applications
RTP-AV     RTP Profile for Audio and Video Conferences with   3551   65
              Minimal Control
--------   Uniform Resource Identifier (URI): Generic Syntax  3986*  66
```

```
XDR        XDR: External Data Representation Standard        4506*  67
ABNF       Augmented BNF for Syntax Specifications: ABNF     5234*  68
```

3.2. Standard Protocols Ordered by RFC

   [Note: an asterisk at the end of a line indicates a change from the
   previous edition of this document.]

```
Mnemonic    Title                                             STD# RFC#
------------------------------------------------------------------------
ABNF        Augmented BNF for Syntax Specifications: ABNF     68 5234*
--------    Internet Official Protocol Standards               1 5000*
XDR         XDR: External Data Representation Standard         67 4506*
--------    Uniform Resource Identifier (URI): Generic Syntax  66 3986*
UTF-8       UTF-8, a transformation format of ISO 10646        63 3629
RTP-AV      RTP Profile for Audio and Video Conferences with   65 3551
               Minimal Control
RTP         RTP: A Transport Protocol for Real-Time            64 3550
               Applications
SNMPv2-MIB  Management Information Base (MIB) for the Simple    62 3418
               Network Management Protocol (SNMP)
TRANS-MIB   Transport Mappings for the Simple Network          62 3417
               Management Protocol (SNMP)
OPS-MIB     Version 2 of the Protocol Operations for the       62 3416
               Simple Network Management Protocol (SNMP)
VACM-SNMP   View-based Access Control Model (VACM) for the     62 3415
               Simple Network Management Protocol (SNMP)
USM-SNMPV3  User-based Security Model (USM) for version 3 of   62 3414
               the Simple Network Management Protocol (SNMPv3)
SNMP-APP    Simple Network Management Protocol (SNMP)          62 3413
               Applications
MPD-SNMP    Message Processing and Dispatching for the         62 3412
               Simple Network Management Protocol (SNMP)
ARCH-SNMP   An Architecture for Describing Simple Network      62 3411
               Management Protocol (SNMP) Management Frameworks
SMTP-Pipe   SMTP Service Extension for Command Pipelining      60 2920
RMON-MIB    Remote Network Monitoring Management Information   59 2819
               Base
CONF-MIB    Conformance Statements for SMIv2                   58 2580
CONV-MIB    Textual Conventions for SMIv2                      58 2579
SMIv2       Structure of Management Information Version 2      58 2578
               (SMIv2)
RIP2        RIP Version 2                                      56 2453
IP-FR       Multiprotocol Interconnect over Frame Relay        55 2427
OSPF2       OSPF Version 2                                     54 2328
ONE-PASS    A One-Time Password System                         61 2289
POP3        Post Office Protocol - Version 3                   53 1939
```

```
SMTP-SIZE  SMTP Service Extension for Message Size        10 1870
               Declaration
RIP2-APP   RIP Version 2 Protocol Applicability Statement 57 1722
PPP-HDLC   PPP in HDLC-like Framing                       51 1662
PPP        The Point-to-Point Protocol (PPP)              51 1661
IP-FDDI    Transmission of IP and ARP over FDDI Networks  36 1390
TFTP       The TFTP Protocol (Revision 2)                 33 1350
MIB-II     Management Information Base for Network         17 1213
               Management of TCP/IP-based internets:MIB-II
Concise-MI Concise MIB definitions                        16 1212
IP-SMDS    The Transmission of IP Datagrams over the SMDS 52 1209
               Service
IP-ARC     Transmitting IP traffic over ARCNET networks   46 1201
SMI        Structure and identification of management     16 1155
               information for TCP/IP-based internets
IP-IPX     Standard for the transmission of 802.2 packets 49 1132
               over IPX networks
--------   Requirements for Internet Hosts - Application   3 1123
               and Support
--------   Requirements for Internet Hosts - Communication 3 1122
               Layers
IGMP       Host extensions for IP multicasting             5 1112
IP-NETBIOS Standard for the transmission of IP datagrams  48 1088
               over NetBIOS networks
IP-SLIP    Nonstandard for transmission of IP datagrams   47 1055
               over serial lines: SLIP
IP-HC      Internet Protocol on Network System's          45 1044
               HYPERchannel: Protocol Specification
IP-IEEE    Standard for the transmission of IP datagrams  43 1042
               over IEEE 802 networks
DOMAIN     Domain names - implementation and specification 13 1035
DOMAIN     Domain names - concepts and facilities         13 1034
TP-TCP     ISO Transport Service on top of the TCP Version: 35 1006
               3
NETBIOS    Protocol standard for a NetBIOS service on a   19 1002
               TCP/UDP transport: Detailed specifications
NETBIOS    Protocol standard for a NetBIOS service on a   19 1001
               TCP/UDP transport: Concepts and methods
FTP        File Transfer Protocol                          9  959
--------   Internet Standard Subnetting Procedure          5  950
--------   Broadcasting Internet datagrams in the presence 5  922
               of subnets
--------   Broadcasting Internet Datagrams                 5  919
IP-WB      Host Access Protocol specification             40  907
RARP       A Reverse Address Resolution Protocol          38  903
IP-EE      Standard for the transmission of IP datagrams  42  895
               over experimental Ethernet networks
```

```
IP-E        A Standard for the Transmission of IP Datagrams    41   894
               over Ethernet Networks
IP-DC       DCN Local-Network Protocols                        44   891
TIME        Time Protocol                                      26   868
DAYTIME     Daytime Protocol                                   25   867
USERS       Active users                                       24   866
QUOTE       Quote of the Day Protocol                          23   865
CHARGEN     Character Generator Protocol                       22   864
DISCARD     Discard Protocol                                   21   863
ECHO        Echo Protocol                                      20   862
--------    Telnet Status Option                               30   859
TELNET      Telnet Protocol Specification                       8   854
ARP         Ethernet Address Resolution Protocol: Or           37   826
               Converting Network Protocol Addresses to 48.bit
               Ethernet Address for Transmission on Ethernet
               Hardware
TCP         Transmission Control Protocol                       7   793
ICMP        Internet Control Message Protocol                   5   792
IP          Internet Protocol                                   5   791
UDP         User Datagram Protocol                              6   768
```

3.3. Draft Standard Protocols

   [Note: an asterisk at the end of a line indicates a change from the
   previous edition of this document.]

```
Mnemonic    Title                                              RFC#
-------------------------------------------------------------------
IPv6-PPP    IP Version 6 over PPP                               5072*
--------    Autonomous System Confederations for BGP           5065*
--------    LDP Specification                                  5036*
--------    Privacy Extensions for Stateless Address           4941*
               Autoconfiguration in IPv6
--------    Extensible Provisioning Protocol (EPP) Transport   4934*
               Over TCP
--------    Extensible Provisioning Protocol (EPP) Contact     4933*
               Mapping
--------    Extensible Provisioning Protocol (EPP) Host Mapping 4932*
--------    Extensible Provisioning Protocol (EPP) Domain Name  4931*
               Mapping
--------    Extensible Provisioning Protocol (EPP)             4930*
IPV6-AUTO   IPv6 Stateless Address Autoconfiguration           4862*
IPV6-ND     Neighbor Discovery for IP version 6 (IPv6)         4861*
MEXT-BGP4   Multiprotocol Extensions for BGP-4                 4760*
RMON-MIB    Remote Network Monitoring Management Information    4502*
               Base Version 2
BGP-RR      BGP Route Reflection: An Alternative to Full Mesh   4456*
               Internal BGP (IBGP)
```

```
--------   Internet Control Message Protocol (ICMPv6) for the   4443*
              Internet Protocol Version 6 (IPv6) Specification
--------   Message Submission for Mail                          4409*
--------   IP Version 6 Addressing Architecture                 4291*
BGP-4      A Border Gateway Protocol 4 (BGP-4)                   4271*
SMFAX-IM   A Simple Mode of Facsimile Using Internet Mail       3965*
FFIF       Tag Image File Format Fax eXtended (TIFF-FX) -       3950*
              image/tiff-fx MIME Sub-type Registration
FFIF       File Format for Internet Fax                         3949*
NICNAME    WHOIS Protocol Specification                         3912*
CONT-DUR   Content Duration MIME Header Definition              3803
MIME-ADPCM Toll Quality Voice - 32 kbit/s Adaptive Differential 3802
              Pulse Code Modulation (ADPCM) MIME Sub-type
              Registration
MIME-VP2   Voice Profile for Internet Mail - version 2 (VPIMv2) 3801
EMF-MDN    Message Disposition Notification                     3798
VRRP       Virtual Router Redundancy Protocol (VRRP)            3768
--------   DNS Extensions to Support IP Version 6               3596
--------   Textual Conventions for MIB Modules Using            3593
              Performance History Based on 15 Minute Intervals
--------   Definitions of Managed Objects for the Synchronous   3592
              Optical Network/Synchronous Digital Hierarchy
              (SONET/SDH) Interface Type
DSN        An Extensible Message Format for Delivery Status     3464
              Notifications
EMS-CODE   Enhanced Mail System Status Codes                    3463
MIME-RPT   The Multipart/Report Content Type for the Reporting  3462
              of Mail System Administrative Messages
SMTP-DSN   Simple Mail Transfer Protocol (SMTP) Service         3461
              Extension for Delivery Status Notifications (DSNs)
--------   Capabilities Advertisement with BGP-4                3392
TIFF       Tag Image File Format (TIFF) - image/tiff MIME       3302
              Sub-type Registration
--------   Content Language Headers                             3282
--------   (Extensible Markup Language) XML-Signature Syntax    3275
              and Processing
MINFAX-IM  Minimal FAX address format in Internet Mail          3192
MIN-PSTN   Minimal GSTN address format in Internet Mail         3191
RMON-MIB   Remote Network Monitoring MIB Protocol Identifier    2895
              Reference
RADIUS     Remote Authentication Dial In User Service (RADIUS)  2865
INTERGRMIB The Interfaces Group MIB                             2863
--------   Host Resources MIB                                   2790
SNMP       Definitions of Managed Objects for Extensible SNMP   2742
              Agents
--------   Agent Extensibility (AgentX) Protocol Version 1      2741
--------   HTTP Authentication: Basic and Digest Access         2617
              Authentication
```

```
HTTP        Hypertext Transfer Protocol -- HTTP/1.1          2616
--------    Remote Network Monitoring MIB Extensions for     2613
                Switched Networks Version 1.0
IPV6        Internet Protocol, Version 6 (IPv6) Specification 2460
IARP        Inverse Address Resolution Protocol              2390
TN3270E     TN3270 Enhancements                              2355
TFTP-Opt    TFTP Timeout Interval and Transfer Size Options  2349
TFTP-Blk    TFTP Blocksize Option                            2348
TFTP-Ext    TFTP Option Extension                            2347
DHCP-BOOTP  DHCP Options and BOOTP Vendor Extensions         2132
DHCP        Dynamic Host Configuration Protocol              2131
FRAME-MIB   Management Information Base for Frame Relay DTEs  2115
                Using SMIv2
IP-HIPPI    IP over HIPPI                                    2067
MIME-CONF   Multipurpose Internet Mail Extensions (MIME) Part 2049
                Five: Conformance Criteria and Examples
MIME-MSG    MIME (Multipurpose Internet Mail Extensions) Part 2047
                Three: Message Header Extensions for Non-ASCII Text
MIME-MEDIA  Multipurpose Internet Mail Extensions (MIME) Part 2046
                Two: Media Types
MIME        Multipurpose Internet Mail Extensions (MIME) Part 2045
                One: Format of Internet Message Bodies
PPP-CHAP    PPP Challenge Handshake Authentication Protocol   1994
                (CHAP)
PPP-MP      The PPP Multilink Protocol (MP)                  1990
PPP-LINK    PPP Link Quality Monitoring                      1989
MTU-IPV6    Path MTU Discovery for IP version 6              1981
CON-MD5     The Content-MD5 Header Field                     1864
BGP-4-APP   Application of the Border Gateway Protocol in the 1772
                Internet
PPP-DNCP    The PPP DECnet Phase IV Control Protocol (DNCP)  1762
802.5-MIB   IEEE 802.5 MIB using SMIv2                       1748
RIP2-MIB    RIP Version 2 MIB Extension                      1724
SIP-MIB     Definitions of Managed Objects for SMDS Interfaces 1694
                using SMIv2
--------    Definitions of Managed Objects for               1660
                Parallel-printer-like Hardware Devices using SMIv2
--------    Definitions of Managed Objects for RS-232-like   1659
                Hardware Devices using SMIv2
--------    Definitions of Managed Objects for Character Stream 1658
                Devices using SMIv2
--------    SMTP Service Extension for 8bit-MIMEtransport     1652
OSI-NSAP    Guidelines for OSI NSAP Allocation in the Internet 1629
ISO-TS-ECH  An Echo Function for CLNP (ISO 8473)             1575
DECNET-MIB  DECnet Phase IV MIB Extensions                   1559
--------    Clarifications and Extensions for the Bootstrap  1542
                Protocol
DHCP-BOOTP  Interoperation Between DHCP and BOOTP            1534
```

```
IP-X.25    Multiprotocol Interconnect on X.25 and ISDN in the    1356
              Packet Mode
NTPV3      Network Time Protocol (Version 3) Specification,      1305
              Implementation and Analysis
FINGER     The Finger User Information Protocol                  1288
IP-MTU     Path MTU discovery                                   1191
--------   Proposed Standard for the Transmission of IP         1188
              Datagrams over FDDI Networks
TOPT-LINE  Telnet Linemode Option                               1184
BOOTP      Bootstrap Protocol                                    951
```

3.4. Proposed Standard Protocols

   [Note: an asterisk at the end of a line indicates a change from the
   previous edition of this document.]

```
Mnemonic   Title                                                RFC#
--------------------------------------------------------------------------
--------    Sieve Email Filtering: Spamtest and Virustest       5235*
               Extensions
--------    Sieve Email Filtering: Subaddress Extension         5233*
--------    Sieve Email Filtering: Imap4flags Extension         5232*
--------    Sieve Email Filtering: Relational Extension         5231*
--------    Sieve Email Filtering: Vacation Extension           5230*
--------    Sieve Email Filtering: Variables Extension          5229*
--------    Sieve: An Email Filtering Language                  5228*
--------    A More Loss-Tolerant RTP Payload Format for MP3 Audio  5219*
--------    Mobility Header Home Agent Switch Message           5142*
--------    Terminal Endpoint Identifier (TEI) Query Request    5133*
               Number Change
--------    IP Multicast MIB                                    5132*
--------    A MIB Textual Convention for Language Tags          5131*
--------    A Policy Control Mechanism in IS-IS Using           5130*
               Administrative Tags
--------    Explicit Congestion Marking in MPLS                 5129*
--------    Transmission of IPv6 via the IPv6 Convergence       5121*
               Sublayer over IEEE 802.16 Networks
--------    M-ISIS: Multi Topology (MT) Routing in Intermediate 5120*
               System to Intermediate Systems (IS-ISs)
--------    An Interface and Algorithms for Authenticated       5116*
               Encryption
--------    Telephony Routing over IP (TRIP) Attribute for      5115*
               Resource Priority
--------    The Presence-Specific Static Dictionary for         5112*
               Signaling Compression (Sigcomp)
--------    RTP Payload Format for Generic Forward Error        5109*
               Correction
--------    DHCP Server Identifier Override Suboption           5107*
```

```
--------   Raptor Forward Error Correction Scheme for Object    5053*
              Delivery
--------   Forward Error Correction (FEC) Building Block        5052*
--------   i;unicode-casemap - Simple Unicode Collation         5051*
              Algorithm
--------   Applying Signaling Compression (SigComp) to the      5049*
              Session Initiation Protocol (SIP)
--------   Internet Small Computer System Interface (iSCSI)     5048*
              Corrections and Clarifications
--------   Internet Small Computer System Interface (iSCSI)     5046*
              Extensions for Remote Direct Memory Access (RDMA)
--------   Marker PDU Aligned Framing for TCP Specification     5044*
--------   Stream Control Transmission Protocol (SCTP) Direct    5043*
              Data Placement (DDP) Adaptation
--------   Direct Data Placement Protocol (DDP) / Remote Direct  5042*
              Memory Access Protocol (RDMAP) Security
--------   Direct Data Placement over Reliable Transports       5041*
--------   A Remote Direct Memory Access Protocol Specification  5040*
--------   Enhanced Security Services (ESS) Update: Adding       5035*
              CertID Algorithm Agility
POP3-AUTH  The Post Office Protocol (POP3) Simple               5034*
              Authentication and Security Layer (SASL)
              Authentication Mechanism
--------   WITHIN Search Extension to the IMAP Protocol         5032*
--------   A Uniform Resource Name (URN) for Emergency and      5031*
              Other Well-Known Services
--------   Definition of an IS-IS Link Attribute Sub-TLV        5029*
--------   A Telephone Number Mapping (ENUM) Service            5028*
              Registration for Instant Messaging (IM) Services
--------   Security Preconditions for Session Description       5027*
              Protocol (SDP) Media Streams
--------   Mobile IPv6 Bootstrapping in Split Scenario          5026*
--------   Presence Authorization Rules                         5025*
--------   The Atom Publishing Protocol                         5023*
--------   Extended Kerberos Version 5 Key Distribution Center  5021*
              (KDC) Exchanges over TCP
--------   The Lightweight Directory Access Protocol (LDAP)     5020*
              entryDN Operational Attribute
--------   The Lightweight Online Certificate Status Protocol   5019*
              (OCSP) Profile for High-Volume Environments
--------   Connection Establishment in the Binary Floor Control 5018*
              Protocol (BFCP)
--------   MIB Textual Conventions for Uniform Resource         5017*
              Identifiers (URIs)
--------   Bidirectional Protocol Independent Multicast         5015*
              (BIDIR-PIM)
--------   Automated Updates of DNS Security (DNSSEC) Trust     5011*
              Anchors
```

```
--------   The Dynamic Host Configuration Protocol Version 4    5010*
              (DHCPv4) Relay Agent Flags Suboption
--------   DHCPv6 Leasequery                                    5007*
--------   Feed Paging and Archiving                            5005*
--------   Avoid BGP Best Path Transitions from One External to 5004*
              Another
--------   Attachment Individual Identifier (AII) Types for     5003*
              Aggregation
--------   DNS Name Server Identifier (NSID) Option             5001*
--------   Evidence Record Syntax (ERS)                         4998*
--------   Formal Notation for RObust Header Compression        4997*
              (ROHC-FN)
--------   RObust Header Compression (ROHC): A Profile for      4996*
              TCP/IP (ROHC-TCP)
--------   The RObust Header Compression (ROHC) Framework       4995*
--------   DHCPv6 Relay Agent Echo Request Option               4994*
--------   A Lightweight UDP Transfer Protocol for the Internet 4993*
              Registry Information Service
--------   XML Pipelining with Chunks for the Internet Registry 4992*
              Information Service
--------   A Common Schema for Internet Registry Information    4991*
              Service Transfer Protocols
--------   Internet X.509 Public Key Infrastructure Subject     4985*
              Alternative Name for Expression of Service Name
--------   Fibre Channel Registered State Change Notification   4983*
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--------   Route Refresh Capability for BGP-4   2918
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--------    PGP Authentication for RIPE Database Updates           2726
--------    Routing Policy System Security                         2725
--------    Traffic Flow Measurement: Meter MIB                    2720
TLS         Addition of Kerberos Cipher Suites to Transport        2712
              Layer Security (TLS)
--------    IPv6 Router Alert Option                               2711
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--------    Integrated Services Mappings for Low Speed Networks    2688
--------    PPP in a Real-time Oriented HDLC-like Framing          2687
--------    The Multi-Class Extension to Multi-Link PPP            2686
VPNI        Virtual Private Networks Identifier                    2685
--------    Multiprotocol Encapsulation over ATM Adaptation        2684
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--------    A Round-trip Delay Metric for IPPM                     2681
--------    A One-way Packet Loss Metric for IPPM                  2680
--------    A One-way Delay Metric for IPPM                        2679
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EDNS0       Extension Mechanisms for DNS (EDNS0)                   2671
--------    Definitions of Managed Objects for the ADSL Lines      2662
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--------    RTP Payload Format for PureVoice(tm) Audio             2658
--------    CIP Transport Protocols                                2653
--------    MIME Object Definitions for the Common Indexing        2652
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--------    Internationalization of the File Transfer Protocol     2640
--------    Enhanced Security Services for S/MIME                  2634
--------    Diffie-Hellman Key Agreement Method                    2631
--------    NFS Version 2 and Version 3 Security Issues and the     2623
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--------   Assured Forwarding PHB Group                   2597
--------   Using TLS with IMAP, POP3 and ACAP            2595
--------   Definitions of Managed Objects for WWW Services  2594
--------   Transmission of IPv6 Packets over Frame Relay    2590
              Networks Specification
LDAPv3     Lightweight Directory Access Protocol (v3):    2589
              Extensions for Dynamic Directory Services
--------   Internet X.509 Public Key Infrastructure Operational  2585
              Protocols: FTP and HTTP
--------   Definitions of Managed Objects for APPN/HPR in IP   2584
              Networks
TCP-CC     TCP Congestion Control                         2581
APP-MIB    Application Management MIB                     2564
--------   DHCP Option to Disable Stateless Auto-Configuration  2563
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              TN3270E Response Time Collection Using SMIv2
              (TN3270E-RT-MIB)
--------   Base Definitions of Managed Objects for TN3270E   2561
              Using SMIv2
PKIX       X.509 Internet Public Key Infrastructure Online   2560
              Certificate Status Protocol - OCSP
MHTML      MIME Encapsulation of Aggregate Documents, such as  2557
              HTML (MHTML)
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--------   DSA KEYs and SIGs in the Domain Name System (DNS)  2536
--------   Media Features for Display, Print, and Fax      2534
--------   A Syntax for Describing Media Feature Sets      2533
--------   Extended Facsimile Using Internet Mail         2532
--------   Indicating Supported Media Features Using Extensions  2530
              to DSN and MDN
--------   Transmission of IPv6 over IPv4 Domains without  2529
              Explicit Tunnels
--------   Reserved IPv6 Subnet Anycast Addresses         2526
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ATM-TC-OID Definitions of Textual Conventions and          2514
              OBJECT-IDENTITIES for ATM Management
--------   Managed Objects for Controlling the Collection and  2513
              Storage of Accounting Information for
              Connection-Oriented Networks
--------   Accounting Information for ATM Networks         2512
--------   Compressing IP/UDP/RTP Headers for Low-Speed Serial  2508
              Links
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BAP-BACP    The PPP Bandwidth Allocation Protocol (BAP) / The      2125
               PPP Bandwidth Allocation Control Protocol (BACP)
VEMMI-URL   VEMMI URL Specification                                2122
ROUT-ALERT  IP Router Alert Option                                 2113
802.3-MIB   Definitions of Managed Objects for IEEE 802.3          2108
               Repeater Devices using SMIv2
PPP-NBFCP   The PPP NetBIOS Frames Control Protocol (NBFCP)        2097
RIP-TRIG    Triggered Extensions to RIP to Support Demand          2091
               Circuits
IMAP4-LIT   IMAP4 non-synchronizing literals                       2088
IMAP4-QUO   IMAP4 QUOTA extension                                  2087
HMAC-MD5    HMAC-MD5 IP Authentication with Replay Prevention      2085
RIPNG-IPV6  RIPng for IPv6                                         2080
URI-ATT     Definition of an X.500 Attribute Type and an Object    2079
               Class to Hold Uniform Resource Identifiers (URIs)
MIME-MODEL  The Model Primary Content Type for Multipurpose        2077
               Internet Mail Extensions
URLZ39.50   Uniform Resource Locators for Z39.50                   2056
SNANAU-APP  Definitions of Managed Objects for APPC using SMIv2    2051
PPP-SNACP   The PPP SNA Control Protocol (SNACP)                   2043
SMTP-ENH    SMTP Service Extension for Returning Enhanced Error    2034
               Codes
RTP-CELLB   RTP Payload Format of Sun's CellB Video Encoding       2029
SPKM        The Simple Public-Key GSS-API Mechanism (SPKM)         2025
DLSW-MIB    Definitions of Managed Objects for Data Link           2024
               Switching using SMIv2
MULTI-UNI   Support for Multicast over UNI 3.0/3.1 based ATM       2022
               Networks
802.12-MIB  IEEE 802.12 Interface MIB                              2020
TCP-ACK     TCP Selective Acknowledgment Options                   2018
URL-ACC     Definition of the URL MIME External-Body Access-Type   2017
MIME-PGP    MIME Security with Pretty Good Privacy (PGP)           2015
MOBILEIPMI  The Definitions of Managed Objects for IP Mobility     2006
               Support using SMIv2
--------    Applicability Statement for IP Mobility Support        2005
MINI-IP     Minimal Encapsulation within IP                        2004
IPENCAPIP   IP Encapsulation within IP                             2003
BGP-COMM    BGP Communities Attribute                              1997
DNS-NOTIFY  A Mechanism for Prompt Notification of Zone Changes    1996
               (DNS NOTIFY)
DNS-IZT     Incremental Zone Transfer in DNS                       1995
SMTP-ETRN   SMTP Service Extension for Remote Message Queue        1985
               Starting
SNA         Serial Number Arithmetic                               1982
PPP-FRAME   PPP in Frame Relay                                     1973
PPP-ECP     The PPP Encryption Control Protocol (ECP)              1968
GSSAPI-KER  The Kerberos Version 5 GSS-API Mechanism               1964
PPP-CCP     The PPP Compression Control Protocol (CCP)             1962
```

```
TOPT-TS    Telnet terminal speed option                     1079
TOPT-NAWS  Telnet window size option                        1073
TOPT-X.3   Telnet X.3 PAD option                            1053
TOPT-DATA  Telnet Data Entry Terminal option: DODIIS        1043
              implementation
TOPT-3270  Telnet 3270 regime option                        1041
TOPT-TLN   Telnet terminal location number option            946
TOPT-OM    Output marking Telnet option                      933
TOPT-TACAC TACACS user identification Telnet option          927
TOPT-EOR   Telnet end of record option                       885
TOPT-SNDL  Telnet send-location option                       779
TOPT-SUPO  Telnet SUPDUP-Output option                       749
TOPT-SUP   Telnet SUPDUP option                              736
TOPT-BYTE  Revised Telnet byte macro option                  735
TOPT-LOGO  Telnet logout option                              727
TOPT-REM   Remote Controlled Transmission and Echoing Telnet 726
              option
TOPT-EXT   Telnet extended ASCII option                      698
```

3.5. Best Current Practice Ordered by BCP

   [Note: an asterisk at the end of a line indicates a change from the
   previous edition of this document.]

```
Mnemonic   Title                                         RFC# BCP#
-----------------------------------------------------------------------
--------   Variance for The PPP Compression Control Protocol 1915   3
              and The PPP Encryption Control Protocol
--------   An Appeal to the Internet Community to Return    1917   4
              Unused IP Networks (Prefixes) to the IANA
--------   Address Allocation for Private Internets         1918   5
--------   Guidelines for creation, selection, and          1930   6
              registration of an Autonomous System (AS)
--------   Implications of Various Address Allocation       2008   7
              Policies for Internet Routing
--------   IRTF Research Group Guidelines and Procedures    2014   8
--------   The Internet Standards Process -- Revision 3     2026   9
--------   IAB and IESG Selection, Confirmation, and Recall 3777  10
              Process: Operation of the Nominating and Recall
              Committees
--------   The Organizations Involved in the IETF Standards 2028  11
              Process
--------   Internet Registry IP Allocation Guidelines       2050  12
--------   Media Type Specifications and Registration       4288* 13
              Procedures
--------   Multipurpose Internet Mail Extensions (MIME) Part 4289* 13
              Four: Registration Procedures
```

```
--------   Change Process for Multiprotocol Label Switching   4929* 129
              (MPLS) and Generalized MPLS (GMPLS) Protocols and
              Procedures
--------   IANA Considerations for OSPF                        4940* 130
--------   Symmetric RTP / RTP Control Protocol (RTCP)         4961* 131
--------   Guidance for Authentication, Authorization, and     4962* 132
              Accounting (AAA) Key Management
--------   Specifying New Congestion Control Algorithms        5033* 133
--------   Email Submission Operations: Access and             5068* 134
              Accountability Requirements
--------   IP Multicast Requirements for a Network Address     5135* 135
              Translator (NAT) and a Network Address Port
              Translator (NAPT)
```

3.6. Best Current Practice Ordered by RFC

   [Note: an asterisk at the end of a line indicates a change from the
   previous edition of this document.]

```
Mnemonic   Title                                              BCP# RFC#
-----------------------------------------------------------------------
--------   IP Multicast Requirements for a Network Address    135 5135*
              Translator (NAT) and a Network Address Port
              Translator (NAPT)
--------   Email Submission Operations: Access and            134 5068*
              Accountability Requirements
--------   Specifying New Congestion Control Algorithms       133 5033*
--------   Guidance for Authentication, Authorization, and    132 4962*
              Accounting (AAA) Key Management
--------   Symmetric RTP / RTP Control Protocol (RTCP)        131 4961*
--------   IANA Considerations for OSPF                       130 4940*
--------   Change Process for Multiprotocol Label Switching   129 4929*
              (MPLS) and Generalized MPLS (GMPLS) Protocols
              and Procedures
--------   Avoiding Equal Cost Multipath Treatment in MPLS    128 4928*
              Networks
--------   Handling Normative References to Standards-Track    97 4897*
              Documents
--------   Clarification of the Third Party Disclosure         79 4879*
              Procedure in RFC 3979
--------   RFC 4181 Update to Recognize the IETF Trust        111 4841*
--------   Network Address Translation (NAT) Behavioral       127 4787*
              Requirements for Unicast UDP
--------   Operation of Anycast Services                      126 4786*
--------   Procedures for Protocol Extensions and Variations  125 4775*
--------   Specifying Alternate Semantics for the Explicit    124 4774*
              Congestion Notification (ECN) Field
--------   RFC 3978 Update to Recognize the IETF Trust         78 4748*
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```
--------    Implications of Various Address Allocation        7 2008
               Policies for Internet Routing
--------    Guidelines for creation, selection, and           6 1930
               registration of an Autonomous System (AS)
--------    Address Allocation for Private Internets          5 1918
--------    An Appeal to the Internet Community to Return      4 1917
               Unused IP Networks (Prefixes) to the IANA
--------    Variance for The PPP Compression Control          3 1915
               Protocol and The PPP Encryption Control Protocol
```

3.7. Experimental Protocols

   [Note: an asterisk at the end of a line indicates a change from the
   previous edition of this document.]

```
Mnemonic    Title                                            RFC#
------------------------------------------------------------------------
--------    Experiment in Exploratory Group Formation within the  5111*
               Internet Engineering Task Force (IETF)
--------    The Extensible Authentication Protocol-Internet Key    5106*
               Exchange Protocol version 2 (EAP-IKEv2) Method
--------    Using OpenPGP Keys for Transport Layer Security        5081*
               (TLS) Authentication
--------    Explicit Multicast (Xcast) Concepts and Options        5058*
--------    Bundle Protocol Specification                          5050*
--------    IPv6 Router Advertisement Option for DNS               5006*
               Configuration
--------    Mobile IPv4 Fast Handovers                             4988*
--------    OSPF-xTE: Experimental Extension to OSPF for Traffic   4973*
               Engineering
--------    DNS Security (DNSSEC) Opt-In                           4956*
--------    Atom License Extension                                 4946*
--------    Abstract Syntax Notation X (ASN.X) Representation of   4914*
               Encoding Instructions for the XML Encoding Rules (XER
--------    Abstract Syntax Notation X (ASN.X) Representation of   4913*
               Encoding Instructions for the Generic String
               Encoding Rules (GSER)
--------    Abstract Syntax Notation X (ASN.X)                     4912*
--------    Encoding Instructions for the Robust XML Encoding      4911*
               Rules (RXER)
--------    Robust XML Encoding Rules (RXER) for Abstract Syntax   4910*
               Notation One (ASN.1)
--------    Multi-homing for small scale fixed network Using       4908*
               Mobile IP and NEMO
--------    Low-Latency Handoffs in Mobile IPv4                    4881*
--------    Mobile IPv4 Regional Registration                      4857*
--------    An IPv6 Prefix for Overlay Routable Cryptographic      4843*
               Hash Identifiers (ORCHID)
```

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--------    TCP Friendly Rate Control (TFRC): The Small-Packet    4828*
               (SP) Variant
--------    OSPF Link-Local Signaling                             4813*
--------    Quick-Start for TCP and IP                            4782*
--------    The Intrusion Detection Exchange Protocol (IDXP)      4767*
--------    The Intrusion Detection Message Exchange Format       4765*
               (IDMEF)
--------    The EAP-PSK Protocol: A Pre-Shared Key Extensible     4764*
               Authentication Protocol (EAP) Method
--------    Multiple Authentication Exchanges in the Internet     4739*
               Key Exchange (IKEv2) Protocol
--------    The Dynamic Source Routing Protocol (DSR) for Mobile  4728*
               Ad Hoc Networks for IPv4
--------    Netnews Administration System (NAS)                   4707*
--------    IETF Operational Notes                                4693*
--------    TCP-Friendly Multicast Congestion Control (TFMCC):    4654*
               Protocol Specification
--------    Improving the Robustness of TCP to Non-Congestion     4653*
               Events
--------    Experiment in Long-Term Suspensions From Internet     4633*
               Engineering Task Force (IETF) Mailing Lists
--------    Multicast Source Discovery Protocol (MSDP) MIB        4624*
--------    IPv6 Node Information Queries                         4620*
--------    NEC's Simple Middlebox Configuration (SIMCO)          4540*
               Protocol Version 3.0
--------    The Lightweight Directory Access Protocol (LDAP)      4533*
               Content Synchronization Operation
--------    Lightweight Directory Access Protocol (LDAP) Turn     4531*
               Operation
--------    The Managed Object Aggregation MIB                    4498*
--------    Repeated Authentication in Internet Key Exchange      4478*
               (IKEv2) Protocol
--------    Derivation of DNS Name Predecessor and Successor      4471*
--------    Web Distributed Authoring and Versioning (WebDAV)     4437*
               Redirect Reference Resources
--------    Selectively Reliable Multicast Protocol (SRMP)        4410*
--------    Sender Policy Framework (SPF) for Authorizing Use of  4408*
               Domains in E-Mail, Version 1
--------    Purported Responsible Address in E-Mail Messages      4407*
--------    Sender ID: Authenticating E-Mail                      4406*
--------    SMTP Service Extension for Indicating the             4405*
               Responsible Submitter of an E-Mail Message
--------    Neighbor Discovery Proxies (ND Proxy)                 4389*
--------    Internet X.509 Public Key Infrastructure Repository   4386*
               Locator Service
--------    Calendar Access Protocol (CAP)                        4324*
--------    Datatypes for Web Distributed Authoring and           4316*
               Versioning (WebDAV) Properties
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```
ISATAP      Intra-Site Automatic Tunnel Addressing Protocol      4214*
               (ISATAP)
--------    Hierarchical Mobile IPv6 Mobility Management (HMIPv6)  4140*
--------    Forward RTO-Recovery (F-RTO): An Algorithm for         4138*
               Detecting Spurious Retransmission Timeouts with TCP
               and the Stream Control Transmission Protocol (SCTP)
--------    Russian Dolls Bandwidth Constraints Model for          4127*
               Diffserv-aware MPLS Traffic Engineering
--------    Max Allocation with Reservation Bandwidth              4126*
               Constraints Model for Diffserv-aware MPLS Traffic
               Engineering & Performance Comparisons
--------    Maximum Allocation Bandwidth Constraints Model for     4125*
               Diffserv-aware MPLS Traffic Engineering
--------    Fast Handovers for Mobile IPv6                         4068*
--------    Context Transfer Protocol (CXTP)                       4067*
--------    Candidate Access Router Discovery (CARD)               4066*
--------    Instructions for Seamoby and Experimental Mobility     4065*
               Protocol IANA Allocations
--------    BinaryTime: An Alternate Format for Representing       4049*
               Date and Time in ASN.1
--------    Extensions to Support Efficient Carrying of            4045*
               Multicast Traffic in Layer-2 Tunneling Protocol
               (L2TP)
--------    Maximum Transmission Unit Signalling Extensions for    3988*
               the Label Distribution Protocol
--------    Protocol Independent Multicast - Dense Mode            3973*
               (PIM-DM): Protocol Specification (Revised)
--------    Real-time Transport Protocol (RTP) Payload Format      3952*
               for internet Low Bit Rate Codec (iLBC) Speech
--------    Internet Low Bit Rate Codec (iLBC)                     3951*
--------    Negative-Acknowledgment (NACK)-Oriented Reliable       3941*
               Multicast (NORM) Building Blocks
--------    Negative-acknowledgment (NACK)-Oriented Reliable       3940*
               Multicast (NORM) Protocol
--------    Alternative Decision Making Processes for              3929*
               Consensus-Blocked Decisions in the IETF
--------    FLUTE - File Delivery over Unidirectional Transport    3926*
DNS-SRV     Remote Service Discovery in the Service Location       3832
               Protocol (SLP) via DNS SRV
--------    Next Generation Structure of Management Information    3781
               (SMIng) Mappings to the Simple Network Management
               Protocol (SNMP)
--------    SMIng - Next Generation Structure of Management        3780
               Information
--------    Limited Slow-Start for TCP with Large Congestion       3742
               Windows
--------    Wave and Equation Based Rate Control (WEBRC)           3738
               Building Block
```

--------   Domain Names and Company Name Retrieval   2345
RTP-MPEG   RTP Payload Format for Bundled MPEG   2343
--------   Intra-LIS IP multicast among routers over ATM using   2337
              Sparse Mode PIM
--------   The Safe Response Header Field   2310
LDAP-NIS   An Approach for Using LDAP as a Network Information   2307
              Service
HTTP-RVSA HTTP Remote Variant Selection Algorithm -- RVSA/1.0   2296
TCN-HTTP   Transparent Content Negotiation in HTTP   2295
TOPT-COMPO Telnet Com Port Control Option   2217
--------   A Trivial Convention for using HTTP in URN Resolution   2169
MAP-MAIL   MaXIM-11 - Mapping between X.400 / Internet mail and   2162
              Mail-11 mail
MIME-ODA   A MIME Body Part for ODA   2161
OSPF-DIG   OSPF with Digital Signatures   2154
IP-SCSI   Encapsulating IP with the Small Computer System   2143
              Interface
X.500-NAME Managing the X.500 Root Naming Context   2120
GKMP-ARCH Group Key Management Protocol (GKMP) Architecture   2094
GKMP-SPEC Group Key Management Protocol (GKMP) Specification   2093
TFTP-MULTI TFTP Multicast Option   2090
IP-Echo   IP Echo Host Service   2075
TOPT-CHARS TELNET CHARSET Option   2066
URAS   Uniform Resource Agents (URAs)   2016
GPS-AR   GPS-Based Addressing and Routing   2009
ETFTP   Experiments with a Simple File Transfer Protocol for   1986
              Radio Links using Enhanced Trivial File Transfer
              Protocol (ETFTP)
SMKD   Scalable Multicast Key Distribution   1949
DNS-LOC   A Means for Expressing Location Information in the   1876
              Domain Name System
SGML-MT   SGML Media Types   1874
CONT-MT   Message/External-Body Content-ID Access Type   1873
UNARP   ARP Extension - UNARP   1868
ESP3DES   The ESP Triple DES Transform   1851
--------   SMTP 521 Reply Code   1846
--------   SMTP Service Extension for Checkpoint/Restart   1845
--------   Communicating Presentation Information in Internet   1806
              Messages: The Content-Disposition Header
--------   Schema Publishing in X.500 Directory   1804
--------   MHS use of the X.500 Directory to support MHS Routing   1801
--------   Class A Subnet Experiment   1797
TCP/IPXMIB TCP/IPX Connection Mib Specification   1792
--------   TCP And UDP Over IPX Networks With Fixed Path MTU   1791
ICMP-DM   ICMP Domain Name Messages   1788
CLNP-MULT Host Group Extensions for CLNP Multicasting   1768
OSPF-OVFL OSPF Database Overflow   1765
RWP   Remote Write Protocol - Version 1.0   1756

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NARP        NBMA Address Resolution Protocol (NARP)             1735
DNS-ENCODE  DNS Encoding of Geographical Location               1712
TCP-POS     An Extension to TCP : Partial Order Service         1693
T/TCP       T/TCP -- TCP Extensions for Transactions Functional 1644
               Specification
MIME-UNI    Using Unicode with MIME                             1641
FOOBAR      FTP Operation Over Big Address Records (FOOBAR)     1639
X500-CHART  Charting Networks in the X.500 Directory            1609
X500-DIR    Representing IP Information in the X.500 Directory  1608
SNMP-DPI    Simple Network Management Protocol Distributed      1592
               Protocol Interface Version 2.0
CLNP-TUBA   Use of ISO CLNP in TUBA Environments                1561
REM-PRINT   Principles of Operation for the TPC.INT Subdomain:  1528
               Remote Printing -- Technical Procedures
DASS        DASS - Distributed Authentication Security Service  1507
EHF-MAIL    Encoding Header Field for Internet Messages         1505
RAP         RAP: Internet Route Access Protocol                 1476
TP-IX       TP/IX: The Next Internet                            1475
--------    Routing Coordination for X.400 MHS Services Within a 1465
               Multi Protocol / Multi Network Environment Table
               Format V3 for Static Routing
--------    Using the Domain Name System To Store Arbitrary     1464
               String Attributes
IRCP        Internet Relay Chat Protocol                        1459
SIFT        SIFT/UFT: Sender-Initiated/Unsolicited File Transfer 1440
DIR-ARP     Directed ARP                                        1433
TEL-SPX     Telnet Authentication: SPX                          1412
TEL-KER     Telnet Authentication: Kerberos Version 4           1411
TRACE-IP    Traceroute Using an IP Option                       1393
DNS-IP      An Experiment in DNS Based IP Routing               1383
RMCP        Remote Mail Checking Protocol                       1339
MSP2        Message Send Protocol 2                             1312
DSLCP       Dynamically Switched Link Control Protocol          1307
--------    X.500 and Domains                                   1279
IN-ENCAP    Scheme for an internet encapsulation protocol:      1241
               Version 1
CLNS-MIB    CLNS MIB for use with Connectionless Network        1238
               Protocol (ISO 8473) and End System to Intermediate
               System (ISO 9542)
CFDP        Coherent File Distribution Protocol                 1235
IP-AX.25    Internet protocol encapsulation of AX.25 frames     1226
ALERTS      Techniques for managing asynchronously generated    1224
               alerts
MPP         Message Posting Protocol (MPP)                      1204
SNMP-BULK   Bulk Table Retrieval with the SNMP                  1187
DNS-RR      New DNS RR Definitions                              1183
IMAP2       Interactive Mail Access Protocol: Version 2         1176
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NTP-OSI    Network Time Protocol (NTP) over the OSI Remote      1165
              Operations Service
DMF-MAIL   Digest message format                                1153
RDP        Version 2 of the Reliable Data Protocol (RDP)        1151
--------   Standard for the transmission of IP datagrams on     1149
              avian carriers
TCP-ACO    TCP alternate checksum options                       1146
--------   The Q Method of Implementing TELNET Option           1143
              Negotiation
IP-DVMRP   Distance Vector Multicast Routing Protocol           1075
VMTP       VMTP: Versatile Message Transaction Protocol         1045
COOKIE-JAR Distributed-protocol authentication scheme           1004
NETBLT     NETBLT: A bulk data transfer protocol                 998
IRTP       Internet Reliable Transaction Protocol functional     938
              and interface specification
LDP        Loader Debugger Protocol                              909
RDP        Reliable Data Protocol                                908
RLP        Resource Location Protocol                            887
```

4. Security Considerations

   This memo does not affect the technical security of the Internet, but
   it does cite a number of important security specifications.

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