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

   This memo provides information for the Internet community. It does
   not specify an Internet standard of any kind. Distribution of this
   memo is unlimited.

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:

       http://www.rfc-editor.org

RFC 5000   Internet Official Protocol Standards   May 2008

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.]
```

RFC 5000   Internet Official Protocol Standards   May 2008

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 serial lines: SLIP	1055	47
IP-NETBIOS	Standard for the transmission of IP datagrams over NetBIOS networks	1088	48
IP-IPX	Standard for the transmission of 802.2 packets over IPX networks	1132	49
--------	[Reserved for Definitions of Managed Objects for the Ethernet-like Interface Types. See RFC 3638.]	xxx	50
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 Service	1209	52
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 (SMIv2)	2578	58
CONV-MIB	Textual Conventions for SMIv2	2579	58
CONF-MIB	Conformance Statements for SMIv2	2580	58
RMON-MIB	Remote Network Monitoring Management Information Base	2819	59
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 Management Protocol (SNMP) Management Frameworks	3411	62
MPD-SNMP	Message Processing and Dispatching for the Simple Network Management Protocol (SNMP)	3412	62
SNMP-APP	Simple Network Management Protocol (SNMP) Applications	3413	62
USM-SNMPV3	User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3)	3414	62
VACM-SNMP	View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP)	3415	62
OPS-MIB	Version 2 of the Protocol Operations for the Simple Network Management Protocol (SNMP)	3416	62
TRANS-MIB	Transport Mappings for the Simple Network Management Protocol (SNMP)	3417	62
SNMPv2-MIB	Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)	3418	62
UTF-8	UTF-8, a transformation format of ISO 10646	3629	63
RTP	RTP: A Transport Protocol for Real-Time Applications	3550	64
RTP-AV	RTP Profile for Audio and Video Conferences with Minimal Control	3551	65
--------	Uniform Resource Identifier (URI): Generic Syntax	3986*	66

RFC 5000   Internet Official Protocol Standards   May 2008

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 Minimal Control	65	3551
RTP	RTP: A Transport Protocol for Real-Time Applications	64	3550
SNMPv2-MIB	Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)	62	3418
TRANS-MIB	Transport Mappings for the Simple Network Management Protocol (SNMP)	62	3417
OPS-MIB	Version 2 of the Protocol Operations for the Simple Network Management Protocol (SNMP)	62	3416
VACM-SNMP	View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP)	62	3415
USM-SNMPV3	User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3)	62	3414
SNMP-APP	Simple Network Management Protocol (SNMP) Applications	62	3413
MPD-SNMP	Message Processing and Dispatching for the Simple Network Management Protocol (SNMP)	62	3412
ARCH-SNMP	An Architecture for Describing Simple Network Management Protocol (SNMP) Management Frameworks	62	3411
SMTP-Pipe	SMTP Service Extension for Command Pipelining	60	2920
RMON-MIB	Remote Network Monitoring Management Information Base	59	2819
CONF-MIB	Conformance Statements for SMIv2	58	2580
CONV-MIB	Textual Conventions for SMIv2	58	2579
SMIv2	Structure of Management Information Version 2 (SMIv2)	58	2578
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

RFC 5000   Internet Official Protocol Standards   May 2008

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

RFC 5000   Internet Official Protocol Standards   May 2008


```
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)
```

RFC 5000   Internet Official Protocol Standards   May 2008

--------	Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification	4443*
--------	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) – image/tiff-fx MIME Sub-type Registration	3950*
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 Pulse Code Modulation (ADPCM) MIME Sub-type Registration	3802
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 Performance History Based on 15 Minute Intervals	3593
--------	Definitions of Managed Objects for the Synchronous Optical Network/Synchronous Digital Hierarchy (SONET/SDH) Interface Type	3592
DSN	An Extensible Message Format for Delivery Status Notifications	3464
EMS-CODE	Enhanced Mail System Status Codes	3463
MIME-RPT	The Multipart/Report Content Type for the Reporting of Mail System Administrative Messages	3462
SMTP-DSN	Simple Mail Transfer Protocol (SMTP) Service Extension for Delivery Status Notifications (DSNs)	3461
--------	Capabilities Advertisement with BGP-4	3392
TIFF	Tag Image File Format (TIFF) – image/tiff MIME Sub-type Registration	3302
--------	Content Language Headers	3282
--------	(Extensible Markup Language) XML-Signature Syntax and Processing	3275
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 Reference	2895
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 Agents	2742
--------	Agent Extensibility (AgentX) Protocol Version 1	2741
--------	HTTP Authentication: Basic and Digest Access Authentication	2617

```
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*
```

```
--------   ENUM Validation Token Format Definition           5105*
--------   Bidirectional Flow Export Using IP Flow Information 5103*
              Export (IPFIX)
--------   Information Model for IP Flow Information Export    5102*
--------   Specification of the IP Flow Information Export     5101*
              (IPFIX) Protocol for the Exchange of IP Traffic Flow
              Information
--------   MIB for the UDP-Lite protocol                      5097*
--------   Mobile IPv6 Experimental Messages                  5096*
--------   Deprecation of Type 0 Routing Headers in IPv6      5095*
--------   Mobile IPv6 Vendor Specific Option                 5094*
IMAP-URL   IMAP URL Scheme                                    5092*
--------   RADIUS Extension for Digest Authentication         5090*
--------   IS-IS Protocol Extensions for Path Computation     5089*
              Element (PCE) Discovery
--------   OSPF Protocol Extensions for Path Computation      5088*
              Element (PCE) Discovery
--------   Pseudowire Virtual Circuit Connectivity Verification 5085*
              (VCCV): A Control Channel for Pseudowires
--------   Using AES-CCM and AES-GCM Authenticated Encryption 5084*
              in the Cryptographic Message Syntax (CMS)
--------   Cryptographic Message Syntax (CMS)                 5083*
              Authenticated-Enveloped-Data Content Type
--------   The Generalized TTL Security Mechanism (GTSM)      5082*
--------   Common Remote Authentication Dial In User Service  5080*
              (RADIUS) Implementation Issues and Suggested Fixes
--------   Rejecting Anonymous Requests in the Session        5079*
              Initiation Protocol (SIP)
--------   Transport Layer Security (TLS) Session Resumption  5077*
              without Server-Side State
--------   ENUM Validation Information Mapping for the        5076*
              Extensible Provisioning Protocol
--------   IPv6 Router Advertisement Flags Option             5075*
--------   IGP Routing Protocol Extensions for Discovery of   5073*
              Traffic Engineering Node Capabilities
--------   The Incident Object Description Exchange Format     5070*
--------   Ethernet in the First Mile Copper (EFMCu) Interfaces 5066*
              MIB
--------   The Archived-At Message Header Field               5064*
--------   Extensions to GMPLS Resource Reservation Protocol  5063*
              (RSVP) Graceful Restart
--------   Stream Control Transmission Protocol (SCTP) Dynamic 5061*
              Address Reconfiguration
--------   Protocol Independent Multicast MIB                 5060*
--------   Bootstrap Router (BSR) Mechanism for Protocol      5059*
              Independent Multicast (PIM)
--------   On the Use of Channel Bindings to Secure Channels  5056*
--------   Server-Based Certificate Validation Protocol (SCVP) 5055*
```

RFC 5000   Internet Official Protocol Standards   May 2008


```
--------   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*
              (RSCN) MIB
--------   Support for Multiple Hash Algorithms in              4982*
              Cryptographically Generated Addresses (CGAs)
--------   IANA Registration for Enumservice 'XMPP'             4979*
--------   The IMAP COMPRESS Extension                          4978*
--------   Relay Extensions for the Message Sessions Relay      4976*
              Protocol (MSRP)
--------   The Message Session Relay Protocol (MSRP)            4975*
--------   Generalized MPLS (GMPLS) RSVP-TE Signaling           4974*
              Extensions in Support of Calls
--------   Routing Extensions for Discovery of Multiprotocol    4972*
              (MPLS) Label Switch Router (LSR) Traffic Engineering
              (TE) Mesh Membership
--------   Intermediate System to Intermediate System (IS-IS)   4971*
              Extensions for Advertising Router Information
--------   Extensions to OSPF for Advertising Optional Router   4970*
              Capabilities
--------   IANA Registration for vCard Enumservice              4969*
--------   Dial String Parameter for the Session Initiation     4967*
              Protocol Uniform Resource Identifier
--------   Stream Control Transmission Protocol                 4960*
--------   IMAP Extension for Simple Authentication and         4959*
              Security Layer (SASL) Initial Client Response
```

RFC 5000   Internet Official Protocol Standards   May 2008

--------   DNS Security (DNSSEC) Experiments   4955*
--------   SMTP Service Extension for Authentication   4954*
--------   Fail Over Extensions for Layer 2 Tunneling Protocol   4951*
               (L2TP) "failover"
--------   ICMP Extensions for Multiprotocol Label Switching   4950*
--------   The Internet IP Security PKI Profile of   4945*
               IKEv1/ISAKMP, IKEv2, and PKIX
--------   Transmission of IPv6 Packets over IEEE 802.15.4   4944*
               Networks
--------   Definitions of Managed Objects for iSNS (Internet   4939*
               Storage Name Service)
--------   Fibre Channel Zone Server MIB   4936*
--------   Fibre Channel Fabric Configuration Server MIB   4935*
--------   Crankback Signaling Extensions for MPLS and GMPLS   4920*
               RSVP-TE
WEBDAV   HTTP Extensions for Web Distributed Authoring and   4918*
               Versioning (WebDAV)
--------   Mobile IPv4 Message String Extension   4917*
--------   Connected Identity in the Session Initiation   4916*
               Protocol (SIP)
--------   Multi-Topology (MT) Routing in OSPF   4915*
--------   Representing Trunk Groups in tel/sip Uniform   4904*
               Resource Identifiers (URIs)
--------   Protocol Extensions for Header Compression over MPLS 4901*
--------   TCP Extended Statistics MIB   4898*
--------   Signaling Compression (SigComp) Corrections and   4896*
               Clarifications
--------   Authenticated Chunks for the Stream Control   4895*
               Transmission Protocol (SCTP)
--------   BGP Support for Four-octet AS Number Space   4893*
--------   Extended ICMP to Support Multi-Part Messages   4884*
--------   OpenPGP Message Format   4880*
--------   Definitions and Managed Objects for Operations,   4878*
               Administration, and Maintenance (OAM) Functions on
               Ethernet-Like Interfaces
--------   Mobile IPv6 Operation with IKEv2 and the Revised   4877*
               IPsec Architecture
--------   Extensions to Resource Reservation Protocol -   4875*
               Traffic Engineering (RSVP-TE) for
               Point-to-Multipoint TE Label Switched Paths (LSPs)
--------   Exclude Routes - Extension to Resource ReserVation   4874*
               Protocol-Traffic Engineering (RSVP-TE)
--------   GMPLS Segment Recovery   4873*
--------   RSVP-TE Extensions in Support of End-to-End   4872*
               Generalized Multi-Protocol Label Switching (GMPLS)
               Recovery
--------   DomainKeys Identified Mail (DKIM) Signatures   4871*

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Using HMAC-SHA-256, HMAC-SHA-384, and HMAC-SHA-512   4868*
              with IPsec
--------   RTP Payload Format and File Storage Format for the   4867*
              Adaptive Multi-Rate (AMR) and Adaptive Multi-Rate
              Wideband (AMR-WB) Audio Codecs
--------   Enhanced Route Optimization for Mobile IPv6   4866*
--------   SMTP Submission Service Extension for Future Message   4865*
              Release
--------   Wildcard Pseudowire Type   4863*
--------   Generic Aggregate Resource ReSerVation Protocol   4860*
              (RSVP) Reservations
--------   Media Type Registration of Payload Formats in the   4856*
              RTP Profile for Audio and Video Conferences
--------   Media Type Registration of RTP Payload Formats   4855*
--------   Cryptographic Message Syntax (CMS) Multiple Signer   4853*
              Clarification
--------   Declarative Public Extension Key for Internet Small   4850*
              Computer Systems Interface (iSCSI) Node Architecture
--------   RADIUS Filter Rule Attribute   4849*
--------   Domain-Based Application Service Location Using URIs   4848*
              and the Dynamic Delegation Discovery Service (DDDS)
--------   Synchronous Optical Network/Synchronous Digital   4842*
              Hierarchy (SONET/SDH) Circuit Emulation over Packet
              (CEP)
--------   Managed Objects of Ethernet Passive Optical Networks   4837*
              (EPON)
MAU-MIB   Definitions of Managed Objects for IEEE 802.3 Medium   4836*
              Attachment Units (MAUs)
ESP   Cryptographic Algorithm Implementation Requirements   4835*
              for Encapsulating Security Payload (ESP) and
              Authentication Header (AH)
--------   Timezone Options for DHCP   4833*
--------   An Extensible Markup Language (XML) Configuration   4827*
              Access Protocol (XCAP) Usage for Manipulating
              Presence Document Contents
--------   Extensible Markup Language (XML) Formats for   4826*
              Representing Resource Lists
--------   The Extensible Markup Language (XML) Configuration   4825*
              Access Protocol (XCAP)
RIP2-MD5   RIPv2 Cryptographic Authentication   4822*
--------   Packetization Layer Path MTU Discovery   4821*
--------   Padding Chunk and Parameter for the Stream Control   4820*
              Transmission Protocol (SCTP)
--------   Secure Shell Public Key Subsystem   4819*
--------   RADIUS Delegated-IPv6-Prefix Attribute   4818*
--------   Encapsulation of MPLS over Layer 2 Tunneling   4817*
              Protocol Version 3

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Pseudowire Emulation Edge-to-Edge (PWE3)   4816*
               Asynchronous Transfer Mode (ATM) Transparent Cell
               Transport Service
--------   RObust Header Compression (ROHC): Corrections and   4815*
               Clarifications to RFC 3095
--------   IPsec Security Policy Database Configuration MIB   4807*
--------   Online Certificate Status Protocol (OCSP) Extensions 4806*
               to IKEv2
--------   Definitions of Managed Objects for the DS1, J1, E1, 4805*
               DS2, and E2 Interface Types
--------   Aggregation of Resource ReSerVation Protocol (RSVP) 4804*
               Reservations over MPLS TE/DS-TE Tunnels
--------   Generalized Multiprotocol Label Switching (GMPLS)   4803*
               Label Switching Router (LSR) Management Information
               Base
--------   Generalized Multiprotocol Label Switching (GMPLS)   4802*
               Traffic Engineering Management Information Base
--------   Definitions of Textual Conventions for Generalized 4801*
               Multiprotocol Label Switching (GMPLS) Management
--------   Connecting IPv6 Islands over IPv4 MPLS Using IPv6   4798*
               Provider Edge Routers (6PE)
--------   The Session Description Protocol (SDP) Content   4796*
               Attribute
--------   Encoding Instructions for the Generic String   4792*
               Encoding Rules (GSER)
--------   Calendaring Extensions to WebDAV (CalDAV)   4791*
--------   Internet Application Protocol Collation Registry   4790*
--------   Simple Network Management Protocol (SNMP) over IEEE 4789*
               802 Networks
--------   Enhancements to RTP Payload Formats for EVRC Family 4788*
               Codecs
--------   Pre-Shared Key (PSK) Ciphersuites with NULL   4785*
               Encryption for Transport Layer Security (TLS)
--------   GMPLS - Communication of Alarm Information   4783*
--------   Graceful Restart Mechanism for BGP with MPLS   4781*
--------   Management Information Base for the Session   4780*
               Initiation Protocol (SIP)
--------   Dynamic Host Configuration Protocol (DHCPv4 and   4776*
               DHCPv6) Option for Civic Addresses Configuration
               Information
--------   Integrity Transform Carrying Roll-Over Counter for   4771*
               the Secure Real-time Transport Protocol (SRTP)
--------   vCard Extensions for Instant Messaging (IM)   4770*
--------   IANA Registration for an Enumservice Containing   4769*
               Public Switched Telephone Network (PSTN) Signaling
               Information
--------   Virtual Private LAN Service (VPLS) Using Label   4762*
               Distribution Protocol (LDP) Signaling

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Virtual Private LAN Service (VPLS) Using BGP for   4761*
               Auto-Discovery and Signaling
--------   The ENUM Dip Indicator Parameter for the "tel" URI   4759*
--------   Forward Error Correction Grouping Semantics in   4756*
               Session Description Protocol
--------   IP over InfiniBand: Connected Mode   4755*
--------   IKE and IKEv2 Authentication Using the Elliptic   4754*
               Curve Digital Signature Algorithm (ECDSA)
SASL   The Kerberos V5 ("GSSAPI") Simple Authentication and 4752*
               Security Layer (SASL) Mechanism
OSPF-MIB   OSPF Version 2 Management Information Base   4750*
--------   RTP Payload Format for the G.729.1 Audio Codec   4749*
--------   The Virtual Fabrics MIB   4747*
--------   Common Policy: A Document Format for Expressing   4745*
               Privacy Preferences
--------   Using the NETCONF Protocol over the Blocks   4744*
               Extensible Exchange Protocol (BEEP)
--------   Using NETCONF over the Simple Object Access Protocol 4743*
               (SOAP)
--------   Using the NETCONF Configuration Protocol over Secure 4742*
               SHell (SSH)
--------   NETCONF Configuration Protocol   4741*
--------   Diameter Session Initiation Protocol (SIP)   4740*
               Application
--------   MIKEY-RSA-R: An Additional Mode of Key Distribution   4738*
               in Multimedia Internet KEYing (MIKEY)
--------   Packet Reordering Metrics   4737*
--------   Example Media Types for Use in Documentation   4735*
--------   Definition of Events for Modem, Fax, and Text   4734*
               Telephony Signals
--------   RTP Payload for DTMF Digits, Telephony Tones, and   4733*
               Telephony Signals
--------   IMAP4 Extension to SEARCH Command for Controlling   4731*
               What Kind of Information Is Returned
--------   A Session Initiation Protocol (SIP) Event Package   4730*
               for Key Press Stimulus (KPML)
--------   Experimental Values In IPv4, IPv6, ICMPv4, ICMPv6,   4727*
               UDP, and TCP Headers
--------   Graceful Restart Mechanism for BGP   4724*
--------   Mobile IPv4 Challenge/Response Extensions (Revised) 4721*
--------   Pseudowire Emulation Edge-to-Edge (PWE3) Frame Check 4720*
               Sequence Retention
--------   Transport of Ethernet Frames over Layer 2 Tunneling 4719*
               Protocol Version 3 (L2TPv3)
--------   Encapsulation Methods for Transport of Asynchronous 4717*
               Transfer Mode (ATM) over MPLS Networks

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Transport Mappings for Real-time Application   4712*
                Quality-of-Service Monitoring (RAQMON) Protocol Data
                Unit (PDU)
--------   Real-time Application Quality-of-Service Monitoring   4711*
                (RAQMON) MIB
--------   Real-time Application Quality-of-Service Monitoring   4710*
                (RAQMON) Framework
--------   Definitions of Managed Objects for Asymmetric   4706*
                Digital Subscriber Line 2 (ADSL2)
--------   The Dynamic Host Configuration Protocol for IPv6   4704*
                (DHCPv6) Client Fully Qualified Domain Name (FQDN)
                Option
--------   Resolution of Fully Qualified Domain Name (FQDN)   4703*
                Conflicts among Dynamic Host Configuration Protocol
                (DHCP) Clients
--------   The Dynamic Host Configuration Protocol (DHCP)   4702*
                Client Fully Qualified Domain Name (FQDN) Option
--------   A DNS Resource Record (RR) for Encoding Dynamic Host   4701*
                Configuration Protocol (DHCP) Information (DHCID RR)
--------   IRIS: An Address Registry (areg) Type for the   4698*
                Internet Registry Information Service
--------   RTP Payload Format for MIDI   4695*
--------   Number Portability Parameters for the "tel" URI   4694*
--------   Atom Threading Extensions   4685*
--------   Constrained Route Distribution for Border Gateway   4684*
                Protocol/MultiProtocol Label Switching (BGP/MPLS)
                Internet Protocol (IP) Virtual Private Networks
                (VPNs)
--------   Internet X.509 Public Key Infrastructure Subject   4683*
                Identification Method (SIM)
--------   Multimedia Terminal Adapter (MTA) Management   4682*
                Information Base for PacketCable- and
                IPCablecom-Compliant Devices
--------   TLS User Mapping Extension   4681*
--------   TLS Handshake Message for Supplemental Data   4680*
--------   RADIUS Attributes for Virtual LAN and Priority   4675*
                Support
--------   RADIUS Authentication Server MIB for IPv6   4669*
--------   RADIUS Authentication Client MIB for IPv6   4668*
--------   Layer 2 Virtual Private Network (L2VPN) Extensions   4667*
                for Layer 2 Tunneling Protocol (L2TP)
--------   Signaling System 7 (SS7) Message Transfer Part 3   4666*
                (MTP3) - User Adaptation Layer (M3UA)
--------   A Session Initiation Protocol (SIP) Event   4662*
                Notification Extension for Resource Lists
--------   An Extensible Markup Language (XML)-Based Format for 4661*
                Event Notification Filtering

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Functional Description of Event Notification   4660*
              Filtering
--------   BGP-MPLS IP Virtual Private Network (VPN) Extension   4659*
              for IPv6 VPN
--------   A One-way Active Measurement Protocol (OWAMP)   4656*
--------   HMAC-Authenticated Diffie-Hellman for Multimedia   4650*
              Internet KEYing (MIKEY)
--------   Dynamic Host Configuration Protocol for IPv6   4649*
              (DHCPv6) Relay Agent Remote-ID Option
--------   The Base16, Base32, and Base64 Data Encodings   4648*
--------   Network News Transfer Protocol (NNTP) Extension for   4644*
              Streaming Feeds
--------   Network News Transfer Protocol (NNTP) Extension for   4643*
              Authentication
--------   Using Transport Layer Security (TLS) with Network   4642*
              News Transfer Protocol (NNTP)
--------   Cable Device Management Information Base for   4639*
              Data-Over-Cable Service Interface Specification
              (DOCSIS) Compliant Cable Modems and Cable Modem
              Termination Systems
--------   Foreign Agent Error Extension for Mobile IPv4   4636*
--------   HMAC SHA (Hashed Message Authentication Code, Secure 4635*
              Hash Algorithm) TSIG Algorithm Identifiers
--------   Link Management Protocol (LMP) Management   4631*
              Information Base (MIB)
--------   Update to DirectoryString Processing in the Internet 4630*
              X.509 Public Key Infrastructure Certificate and
              Certificate Revocation List (CRL) Profile
--------   RTP Payload Format for ITU-T Rec. H.263 Video   4629*
--------   MIB for Fibre Channel's Fabric Shortest Path First   4626*
              (FSPF) Protocol
--------   Fibre Channel Routing Information MIB   4625*
--------   Pseudowire Emulation Edge-to-Edge (PWE3)   4623*
              Fragmentation and Reassembly
--------   Internationalized Resource Identifiers (IRIs) and   4622*
              Uniform Resource Identifiers (URIs) for the
              Extensible Messaging and Presence Protocol (XMPP)
--------   Encapsulation Methods for Transport of Frame Relay   4619*
              over Multiprotocol Label Switching (MPLS) Networks
--------   Encapsulation Methods for Transport of   4618*
              PPP/High-Level Data Link Control (HDLC) over MPLS
              Networks
--------   The PLAIN Simple Authentication and Security Layer   4616*
              (SASL) Mechanism
--------   The Advanced Encryption Standard-Cipher-based   4615*
              Message Authentication Code-Pseudo-Random
              Function-128 (AES-CMAC-PRF-128) Algorithm for the
              Internet Key Exchange Protocol (IKE)

RFC 5000   Internet Official Protocol Standards   May 2008


```
--------   Anycast-RP Using Protocol Independent Multicast (PIM)   4610*
--------   Source-Specific Multicast for IP                        4607*
--------   Generalized Multi-Protocol Label Switching (GMPLS)      4606*
              Extensions for Synchronous Optical Network (SONET)
              and Synchronous Digital Hierarchy (SDH) Control
--------   Internet Group Management Protocol (IGMP) /             4605*
              Multicast Listener Discovery (MLD)-Based Multicast
              Forwarding ("IGMP/MLD Proxying")
--------   Using Internet Group Management Protocol Version 3      4604*
              (IGMPv3) and Multicast Listener Discovery Protocol
              Version 2 (MLDv2) for Source-Specific Multicast
PIM-SM     Protocol Independent Multicast - Sparse Mode            4601*
              (PIM-SM): Protocol Specification (Revised)
--------   Real-time Transport Protocol (RTP) Payload Format       4598*
              for Enhanced AC-3 (E-AC-3) Audio
--------   The Role of Wildcards in the Domain Name System         4592*
--------   Frame Relay over Layer 2 Tunneling Protocol Version     4591*
              3 (L2TPv3)
--------   Location Types Registry                                 4589*
--------   RTP Retransmission Payload Format                       4588*
RTP-H.261  RTP Payload Format for H.261 Video Streams              4587*
--------   Extended RTP Profile for Real-time Transport Control    4585*
              Protocol (RTCP)-Based Feedback (RTP/AVPF)
--------   Session Description Protocol (SDP) Format for Binary    4583*
              Floor Control Protocol (BFCP) Streams
--------   The Binary Floor Control Protocol (BFCP)                4582*
--------   Cryptographically Generated Addresses (CGA)             4581*
              Extension Field Format
--------   Dynamic Host Configuration Protocol for IPv6            4580*
              (DHCPv6) Relay Agent Subscriber-ID Option
--------   OSPF as the Provider/Customer Edge Protocol for         4577*
              BGP/MPLS IP Virtual Private Networks (VPNs)
--------   Using a Link State Advertisement (LSA) Options Bit      4576*
              to Prevent Looping in BGP/MPLS IP Virtual Private
              Networks (VPNs)
--------   A Session Initiation Protocol (SIP) Event Package       4575*
              for Conference State
--------   The Session Description Protocol (SDP) Label            4574*
              Attribute
--------   MIME Type Registration for RTP Payload Format for       4573*
              H.224
--------   Connection-Oriented Media Transport over the            4572*
              Transport Layer Security (TLS) Protocol in the
              Session Description Protocol (SDP)
--------   Framing Real-time Transport Protocol (RTP) and RTP      4571*
              Control Protocol (RTCP) Packets over
              Connection-Oriented Transport
--------   Session Description Protocol (SDP) Source Filters       4570*
```

```
--------   Session Description Protocol (SDP) Security        4568*
              Descriptions for Media Streams
--------   Key Management Extensions for Session Description   4567*
              Protocol (SDP) and Real Time Streaming Protocol
              (RTSP)
SDP        SDP: Session Description Protocol                   4566*
--------   The Key ID Information Type for the General         4563*
              Extension Payload in Multimedia Internet KEYing
              (MIKEY)
--------   Definition of a Record Route Object (RRO) Node-Id   4561*
              Sub-Object
--------   Definitions of Managed Objects for Remote Ping,     4560*
              Traceroute, and Lookup Operations
--------   Node-ID Based Resource Reservation Protocol (RSVP)  4558*
              Hello: A Clarification Statement
--------   Online Certificate Status Protocol (OCSP) Support   4557*
              for Public Key Cryptography for Initial
              Authentication in Kerberos (PKINIT)
--------   Public Key Cryptography for Initial Authentication  4556*
              in Kerberos (PKINIT)
--------   IKEv2 Mobility and Multihoming Protocol (MOBIKE)    4555*
SAToP      Structure-Agnostic Time Division Multiplexing (TDM) 4553*
              over Packet (SAToP)
--------   Authentication/Confidentiality for OSPFv3           4552*
--------   IMAP Extension for Conditional STORE Operation or   4551*
              Quick Flag Changes Resynchronization
--------   Internet Email to Support Diverse Service           4550*
              Environments (Lemonade) Profile
--------   Internet Code Point (ICP) Assignments for NSAP      4548*
              Addresses
--------   Event Notification Management Information Base for   4547*
              Data over Cable Service Interface Specifications
              (DOCSIS)-Compliant Cable Modems and Cable Modem
              Termination Systems
--------   Radio Frequency (RF) Interface Management           4546*
              Information Base for Data over Cable Service
              Interface Specifications (DOCSIS) 2.0 Compliant RF
              Interfaces
--------   Definitions of Managed Objects for IP Storage User  4545*
              Identity Authorization
--------   Definitions of Managed Objects for Internet Small   4544*
              Computer System Interface (iSCSI)
--------   The Use of Galois Message Authentication Code (GMAC) 4543*
              in IPsec ESP and AH
--------   Request Authorization through Dialog Identification 4538*
              in the Session Initiation Protocol (SIP)
--------   Kerberos Cryptosystem Negotiation Extension         4537*
```

RFC 5000   Internet Official Protocol Standards   May 2008

--------   GSAKMP: Group Secure Association Key Management   4535*
               Protocol
--------   Group Security Policy Token v1   4534*
--------   Lightweight Directory Access Protocol (LDAP) "Who am   4532*
               I?" Operation
--------   Lightweight Directory Access Protocol (LDAP)   4530*
               entryUUID Operational Attribute
--------   Lightweight Directory Access Protocol (LDAP)   4528*
               Assertion Control
--------   Lightweight Directory Access Protocol (LDAP) Read   4527*
               Entry Controls
--------   Lightweight Directory Access Protocol (LDAP)   4526*
               Absolute True and False Filters
--------   COSINE LDAP/X.500 Schema   4524*
--------   Lightweight Directory Access Protocol (LDAP) Schema   4523*
               Definitions for X.509 Certificates
--------   Lightweight Directory Access Protocol (LDAP): The   4522*
               Binary Encoding Option
--------   Lightweight Directory Access Protocol (LDAP): Schema   4519*
               for User Applications
--------   Lightweight Directory Access Protocol (LDAP):   4518*
               Internationalized String Preparation
LDAP3-ATD   Lightweight Directory Access Protocol (LDAP):   4517*
               Syntaxes and Matching Rules
LDAP-URL   Lightweight Directory Access Protocol (LDAP):   4516*
               Uniform Resource Locator
STR-LDAP   Lightweight Directory Access Protocol (LDAP): String   4515*
               Representation of Search Filters
LDAP3-UTF8 Lightweight Directory Access Protocol (LDAP): String   4514*
               Representation of Distinguished Names
LDAP   Lightweight Directory Access Protocol (LDAP):   4513*
               Authentication Methods and Security Mechanisms
--------   Lightweight Directory Access Protocol (LDAP):   4512*
               Directory Information Models
LDAP   Lightweight Directory Access Protocol (LDAP): The   4511*
               Protocol
LDAPV3   Lightweight Directory Access Protocol (LDAP):   4510*
               Technical Specification Road Map
--------   Use of SHA-256 in DNSSEC Delegation Signer (DS)   4509*
               Resource Records (RRs)
--------   Conveying Feature Tags with the Session Initiation   4508*
               Protocol (SIP) REFER Method
SASL-ANON   Anonymous Simple Authentication and Security Layer   4505*
               (SASL) Mechanism
--------   Domain Name System Uniform Resource Identifiers   4501*
--------   A Resource Reservation Protocol (RSVP) Extension for   4495*
               the Reduction of Bandwidth of a Reservation Flow
--------   The AES-CMAC-96 Algorithm and Its Use with IPsec   4494*

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Using the GOST R 34.10-94, GOST R 34.10-2001, and   4491*
               GOST R 34.11-94 Algorithms with the Internet X.509
               Public Key Infrastructure Certificate and CRL Profile
--------   Using the GOST 28147-89, GOST R 34.11-94, GOST R   4490*
               34.10-94, and GOST R 34.10-2001 Algorithms with
               Cryptographic Message Syntax (CMS)
--------   A Method for Generating Link-Scoped IPv6 Multicast   4489*
               Addresses
--------   Suppression of Session Initiation Protocol (SIP)   4488*
               REFER Method Implicit Subscription
--------   Subcodes for BGP Cease Notification Message   4486*
--------   A Mechanism for Content Indirection in Session   4483*
               Initiation Protocol (SIP) Messages
--------   CIPID: Contact Information for the Presence   4482*
               Information Data Format
--------   Timed Presence Extensions to the Presence   4481*
               Information Data Format (PIDF) to Indicate Status
               Information for Past and Future Time Intervals
--------   RPID: Rich Presence Extensions to the Presence   4480*
               Information Data Format (PIDF)
--------   A Data Model for Presence   4479*
--------   Attribute Certificate (AC) Policies Extension   4476*
--------   Enhancements for Authenticated Identity Management   4474*
               in the Session Initiation Protocol (SIP)
--------   Minimally Covering NSEC Records and DNSSEC On-line   4470*
               Signing
--------   Internet Message Access Protocol (IMAP) CATENATE   4469*
               Extension
URLAUTH   Message Submission BURL Extension   4468*
--------   Internet Message Access Protocol (IMAP) - URLAUTH   4467*
               Extension
--------   Collected Extensions to IMAP4 ABNF   4466*
--------   Generic Security Service Application Program   4462*
               Interface (GSS-API) Authentication and Key Exchange
               for the Secure Shell (SSH) Protocol
--------   Definition of Managed Objects for Small Computer   4455*
               System Interface (SCSI) Entities
--------   Asynchronous Transfer Mode (ATM) over Layer 2   4454*
               Tunneling Protocol Version 3 (L2TPv3)
--------   Securing Mobile IPv6 Route Optimization Using a   4449*
               Static Shared Key
--------   Encapsulation Methods for Transport of Ethernet over   4448*
               MPLS Networks
--------   Pseudowire Setup and Maintenance Using the Label   4447*
               Distribution Protocol (LDP)
--------   Management Information Base for Intermediate System   4444*
               to Intermediate System (IS-IS)

RFC 5000   Internet Official Protocol Standards   May 2008

    --------   Bootstrapping Timed Efficient Stream Loss-Tolerant   4442*
                  Authentication (TESLA)
    --------   Fibre Channel Fabric Address Manager MIB   4439*
    --------   Fibre-Channel Name Server MIB   4438*
    --------   Detecting Network Attachment in IPv4 (DNAv4)   4436*
    --------   The AES-XCBC-PRF-128 Algorithm for the Internet Key   4434*
                  Exchange Protocol (IKE)
    --------   Mobile IPv4 Dynamic Home Agent (HA) Assignment   4433*
    --------   RSA Key Exchange for the Secure Shell (SSH)   4432*
                  Transport Layer Protocol
    --------   Kerberized Internet Negotiation of Keys (KINK)   4430*
    --------   Optimistic Duplicate Address Detection (DAD) for IPv6 4429*
    --------   Generalized Multi-Protocol Label Switching (GMPLS)   4426*
                  Recovery Functional Specification
    --------   RTP Payload Format for Video Codec 1 (VC-1)   4425*
    --------   Real-Time Transport Protocol (RTP) Payload Format   4424*
                  for the Variable-Rate Multimode Wideband (VMR-WB)
                  Extension Audio Codec
    SASL   Simple Authentication and Security Layer (SASL)   4422*
    --------   RTP Payload Format for Uncompressed Video: 4421*
                  Additional Colour Sampling Modes
    --------   Encoding of Attributes for Multiprotocol Label   4420*
                  Switching (MPLS) Label Switched Path (LSP)
                  Establishment Using Resource ReserVation
                  Protocol-Traffic Engineering (RSVP-TE)
    --------   Diffie-Hellman Group Exchange for the Secure Shell   4419*
                  (SSH) Transport Layer Protocol
    --------   IANA Registration for Enumservice Voice   4415*
    --------   An ENUM Registry Type for the Internet Registry   4414*
                  Information Service (IRIS)
    --------   Communications Resource Priority for the Session   4412*
                  Initiation Protocol (SIP)
    --------   Extending the Session Initiation Protocol (SIP)   4411*
                  Reason Header for Preemption Events
    --------   Definitions of Managed Objects for Fibre Channel   4404*
                  Over TCP/IP (FCIP)
    --------   A Pseudo-Random Function (PRF) for the Kerberos V   4402*
                  Generic Security Service Application Program
                  Interface (GSS-API) Mechanism
    --------   A Pseudo-Random Function (PRF) API Extension for the 4401*
                  Generic Security Service Application Program
                  Interface (GSS-API)
    SC-DNS   Storing Certificates in the Domain Name System (DNS) 4398*
    --------   RTP Payload Format for 3rd Generation Partnership   4396*
                  Project (3GPP) Timed Text
    --------   MIME Type Registrations for 3GPP2 Multimedia Files   4393*
    --------   Transmission of IP over InfiniBand (IPoIB)   4391*

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Dynamic Host Configuration Protocol (DHCP) over   4390*
               InfiniBand
--------   Dynamic Host Configuration Protocol (DHCP) Leasequery   4388*
--------   Internet X.509 Public Key Infrastructure Operational   4387*
               Protocols: Certificate Store Access via HTTP
--------   Pseudowire Emulation Edge-to-Edge (PWE3) Control   4385*
               Word for Use over an MPLS PSN
--------   The Use of Timed Efficient Stream Loss-Tolerant   4383*
               Authentication (TESLA) in the Secure Real-time
               Transport Protocol (SRTP)
--------   MPLS/BGP Layer 3 Virtual Private Network (VPN)   4382*
               Management Information Base
--------   Teredo: Tunneling IPv6 over UDP through Network   4380*
               Address Translations (NATs)
--------   Detecting Multi-Protocol Label Switched (MPLS) Data   4379*
               Plane Failures
--------   Chargeable User Identity   4372*
--------   Lightweight Directory Access Protocol (LDAP) Proxied   4370*
               Authorization Control
--------   Definitions of Managed Objects for Internet Fibre   4369*
               Channel Protocol (iFCP)
--------   Multiprotocol Label Switching (MPLS)   4368*
               Label-Controlled Asynchronous Transfer Mode (ATM)
               and Frame-Relay Management Interface Definition
--------   Transport Layer Security (TLS) Extensions   4366*
--------   BGP/MPLS IP Virtual Private Networks (VPNs)   4364*
--------   Definitions of Managed Objects for Bridges with   4363*
               Traffic Classes, Multicast Filtering, and Virtual
               LAN Extensions
--------   RObust Header Compression (ROHC): A Link-Layer   4362*
               Assisted Profile for IP/UDP/RTP
--------   Node-specific Client Identifiers for Dynamic Host   4361*
               Configuration Protocol Version Four (DHCPv4)
--------   BGP Extended Communities Attribute   4360*
--------   The Use of RSA/SHA-1 Signatures within Encapsulating   4359*
               Security Payload (ESP) and Authentication Header (AH)
--------   Mapping Between the Multimedia Messaging Service   4356*
               (MMS) and Internet Mail
--------   IANA Registration for Enumservices email, fax, mms,   4355*
               ems, and sms
--------   RTP Payload Format for the Extended Adaptive   4352*
               Multi-Rate Wideband (AMR-WB+) Audio Codec
--------   High-Level Data Link Control (HDLC) Frames over   4349*
               Layer 2 Tunneling Protocol, Version 3 (L2TPv3)
--------   Real-Time Transport Protocol (RTP) Payload Format   4348*
               for the Variable-Rate Multimode Wideband (VMR-WB)
               Audio Codec
--------   Datagram Transport Layer Security   4347*

```
--------   The Transport Layer Security (TLS) Protocol Version    4346*
              1.1
--------   Improved Arcfour Modes for the Secure Shell (SSH)      4345*
              Transport Layer Protocol
--------   The Secure Shell (SSH) Transport Layer Encryption      4344*
              Modes
--------   Domain Name System (DNS) Case Insensitivity            4343*
              Clarification
--------   Profile for Datagram Congestion Control Protocol       4342*
              (DCCP) Congestion Control ID 3: TCP-Friendly Rate
              Control (TFRC)
--------   Profile for Datagram Congestion Control Protocol       4341*
              (DCCP) Congestion Control ID 2: TCP-like Congestion
              Control
--------   Datagram Congestion Control Protocol (DCCP)            4340*
--------   Transmission of IPv6, IPv4, and Address Resolution     4338*
              Protocol (ARP) Packets over Fibre Channel
--------   MIME Type Registration for MPEG-4                      4337*
--------   The Secure Shell (SSH) Session Channel Break           4335*
              Extension
--------   Certificate Extensions and Attributes Supporting       4334*
              Authentication in Point-to-Point Protocol (PPP) and
              Wireless Local Area Networks (WLAN)
--------   Quota and Size Properties for Distributed Authoring    4331*
              and Versioning (DAV) Collections
--------   Generalized Multi-Protocol Label Switching (GMPLS)     4328*
              Signaling Extensions for G.709 Optical Transport
              Networks Control
--------   Unidirectional Lightweight Encapsulation (ULE) for     4326*
              Transmission of IP Datagrams over an MPEG-2
              Transport Stream (TS)
--------   Internet X.509 Public Key Infrastructure Authority     4325*
              Information Access Certificate Revocation List (CRL)
              Extension
--------   Data Over Cable System Interface Specification         4323*
              Quality of Service Management Information Base
              (DOCSIS-QoS MIB)
--------   Actions Addressing Identified Issues with the          4320*
              Session Initiation Protocol's (SIP) Non-INVITE
              Transaction
--------   Definitions of Managed Objects for High Bit-Rate DSL   4319*
              - 2nd generation (HDSL2) and Single-Pair High-Speed
              Digital Subscriber Line (SHDSL) Lines
--------   Definitions of Managed Objects for Bridges with        4318*
              Rapid Spanning Tree Protocol
IMAP4UIDPL Internet Message Access Protocol (IMAP) - UIDPLUS      4315*
              extension
IMAP4-ACL  IMAP4 Access Control List (ACL) Extension              4314*
```

RFC 5000   Internet Official Protocol Standards   May 2008

RFC 5000   Internet Official Protocol Standards   May 2008

--------   The telnet URI Scheme   4248*
--------   An Extension to the Session Initiation Protocol 4244*
               (SIP) for Request History Information
--------   Vendor-Specific Information Suboption for the   4243*
               Dynamic Host Configuration Protocol (DHCP) Relay
               Agent Option
--------   Information Refresh Time Option for Dynamic Host 4242*
               Configuration Protocol for IPv6 (DHCPv6)
--------   Internet Voice Messaging (IVM)   4239*
--------   Voice Message Routing Service   4238*
--------   Voice Messaging Directory Service   4237*
--------   HTTP Adaptation with Open Pluggable Edge Services 4236*
               (OPES)
--------   An INVITE-Initiated Dialog Event Package for the 4235*
               Session Initiation Protocol (SIP)
--------   Integrated Services Digital Network (ISDN)   4233*
               Q.921-User Adaptation Layer
--------   Identifiers and Test Vectors for HMAC-SHA-224, 4231*
               HMAC-SHA-256, HMAC-SHA-384, and HMAC-SHA-512
--------   Using the Simple Object Access Protocol (SOAP) in 4227*
               Blocks Extensible Exchange Protocol (BEEP)
--------   Traffic Engineering Link Management Information Base 4220*
--------   Securing FTP with TLS   4217*
TRANS-IPV6 Basic Transition Mechanisms for IPv6 Hosts and 4213*
               Routers
X.509-CRMF Internet X.509 Public Key Infrastructure Certificate 4211*
               Request Message Format (CRMF)
PKICMP   Internet X.509 Public Key Infrastructure Certificate 4210*
               Management Protocol (CMP)
--------   Link Management Protocol (LMP) for Dense Wavelength 4209*
               Division Multiplexing (DWDM) Optical Line Systems
--------   Generalized Multiprotocol Label Switching (GMPLS) 4208*
               User-Network Interface (UNI): Resource ReserVation
               Protocol-Traffic Engineering (RSVP-TE) Support for
               the Overlay Model
--------   Synchronous Optical Network (SONET)/Synchronous 4207*
               Digital Hierarchy (SDH) Encoding for Link Management
               Protocol (LMP) Test Messages
--------   Label Switched Paths (LSP) Hierarchy with   4206*
               Generalized Multi-Protocol Label Switching (GMPLS)
               Traffic Engineering (TE)
--------   Link Management Protocol (LMP)   4204*
--------   OSPF Extensions in Support of Generalized   4203*
               Multi-Protocol Label Switching (GMPLS)
--------   Routing Extensions in Support of Generalized   4202*
               Multi-Protocol Label Switching (GMPLS)
--------   Link Bundling in MPLS Traffic Engineering (TE) 4201*
--------   The SEED Cipher Algorithm and Its Use with IPsec 4196*

RFC 5000   Internet Official Protocol Standards   May 2008


```
--------    The S Hexdump Format                               4194*
--------    Unique Local IPv6 Unicast Addresses                4193*
--------    Default Router Preferences and More-Specific Routes 4191*
BRIDGE-MIB  Definitions of Managed Objects for Bridges         4188*
--------    RTP Payload Format for AC-3 Audio                  4184*
--------    Removing a Restriction on the use of MPLS Explicit 4182*
              NULL
--------    The Simple and Protected Generic Security Service  4178*
              Application Program Interface (GSS-API) Negotiation
              Mechanism
--------    RTP Payload Format for Uncompressed Video          4175*
--------    The IPv4 Dynamic Host Configuration Protocol (DHCP) 4174*
              Option for the Internet Storage Name Service
--------    Bootstrapping Clients using the Internet Small     4173*
              Computer System Interface (iSCSI) Protocol
--------    iFCP - A Protocol for Internet Fibre Channel Storage 4172*
              Networking
--------    Internet Storage Name Service (iSNS)               4171*
--------    The Stream Control Transmission Protocol (SCTP) as a 4168*
              Transport for the Session Initiation Protocol (SIP)
--------    Signaling System 7 (SS7) Message Transfer Part 2   4165*
              (MTP2) - User Peer-to-Peer Adaptation Layer (M2PA)
--------    RObust Header Compression (ROHC): Context          4164*
              Replication for ROHC Profiles
--------    Addition of SEED Cipher Suites to Transport Layer  4162*
              Security (TLS)
--------    Transport Performance Metrics MIB                  4150*
--------    Definition of Managed Objects for Synthetic Sources 4149*
              for Performance Monitoring Algorithms
--------    TCP-Based Media Transport in the Session Description 4145*
              Protocol (SDP)
--------    Facsimile Using Internet Mail (IFAX) Service of ENUM 4143*
--------    Full-mode Fax Profile for Internet Mail (FFPIM)    4142*
--------    SMTP and MIME Extensions for Content Conversion    4141*
--------    Entity MIB (Version 3)                             4133*
--------    Addition of Camellia Cipher Suites to Transport    4132*
              Layer Security (TLS)
--------    Management Information Base for Data Over Cable     4131*
              Service Interface Specification (DOCSIS) Cable
              Modems and Cable Modem Termination Systems for
              Baseline Privacy Plus
--------    MIME-Based Secure Peer-to-Peer Business Data       4130*
              Interchange Using HTTP, Applicability Statement 2
              (AS2)
--------    Digital Private Network Signaling System           4129*
              (DPNSS)/Digital Access Signaling System 2 (DASS 2)
              Extensions to the IUA Protocol
```

```
--------   Protocol Extensions for Support of Diffserv-aware    4124*
              MPLS Traffic Engineering
--------   A Universally Unique IDentifier (UUID) URN Namespace  4122*
--------   The Kerberos Version 5 Generic Security Service       4121*
              Application Program Interface (GSS-API) Mechanism:
              Version 2
KERBEROS   The Kerberos Network Authentication Service (V5)      4120*
--------   A Presence-based GEOPRIV Location Object Format       4119*
--------   E.164 Number Mapping for the Extensible Provisioning  4114*
              Protocol (EPP)
MIB-UDP    Management Information Base for the User Datagram     4113*
              Protocol (UDP)
--------   Electronic Commerce Modeling Language (ECML) Version  4112*
              2 Specification
--------   Algorithms for Internet Key Exchange version 1        4109*
              (IKEv1)
--------   Using Cryptographic Message Syntax (CMS) to Protect   4108*
              Firmware Packages
--------   The Use of Galois/Counter Mode (GCM) in IPsec         4106*
              Encapsulating Security Payload (ESP)
--------   Policy Core Extension Lightweight Directory Access    4104*
              Protocol Schema (PCELS)
--------   RTP Payload for Text Conversation                     4103*
--------   Registration of the text/red MIME Sub-Type            4102*
--------   Attaching Meaning to Solicitation Class Keywords      4095*
--------   Usage of the Session Description Protocol (SDP)       4092*
              Alternative Network Address Types (ANAT) Semantics
              in the Session Initiation Protocol (SIP)
--------   The Alternative Network Address Types (ANAT)          4091*
              Semantics for the Session Description Protocol (SDP)
              Grouping Framework
--------   Fast Reroute Extensions to RSVP-TE for LSP Tunnels    4090*
--------   Uniform Resource Identifier (URI) Scheme for the      4088*
              Simple Network Management Protocol (SNMP)
--------   IP Tunnel MIB                                         4087*
--------   A Negative Acknowledgement Mechanism for Signaling    4077*
              Compression
--------   Simple Network Time Protocol (SNTP) Configuration     4075*
              Option for DHCPv6
--------   Protecting Multiple Contents with the Cryptographic   4073*
              Message Syntax (CMS)
--------   Diameter Extensible Authentication Protocol (EAP)     4072*
              Application
--------   Definitions of Managed Object Extensions for Very     4070*
              High Speed Digital Subscriber Lines (VDSL) Using
              Multiple Carrier Modulation (MCM) Line Coding
```

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Definitions of Managed Object Extensions for Very   4069*
               High Speed Digital Subscriber Lines (VDSL) Using
               Single Carrier Modulation (SCM) Line Coding
--------   Experimental Message, Extensions, and Error Codes   4064*
               for Mobile IPv4
--------   RTP Payload Formats for European Telecommunications   4060*
               Standards Institute (ETSI) European Standard ES 202
               050, ES 202 211, and ES 202 212 Distributed Speech
               Recognition Encoding
--------   Use of the RSASSA-PSS Signature Algorithm in   4056*
               Cryptographic Message Syntax (CMS)
--------   Additional Algorithms and Identifiers for RSA   4055*
               Cryptography for use in the Internet X.509 Public
               Key Infrastructure Certificate and Certificate
               Revocation List (CRL) Profile
--------   Additional XML Security Uniform Resource Identifiers   4051*
               (URIs)
--------   Fibre Channel Management MIB   4044*
--------   Internet X.509 Public Key Infrastructure Permanent   4043*
               Identifier
--------   RTP Payload Format for a 64 kbit/s Transparent Call   4040*
--------   Rapid Commit Option for the Dynamic Host   4039*
               Configuration Protocol version 4 (DHCPv4)
--------   Open Pluggable Edge Services (OPES) Callout Protocol   4037*
               (OCP) Core
--------   Management Information Base for Data Over Cable   4036*
               Service Interface Specification (DOCSIS) Cable Modem
               Termination Systems for Subscriber Management
--------   Protocol Modifications for the DNS Security   4035*
               Extensions
--------   Resource Records for the DNS Security Extensions   4034*
--------   DNS Security Introduction and Requirements   4033*
--------   Update to the Session Initiation Protocol (SIP)   4032*
               Preconditions Framework
--------   The Authentication Suboption for the Dynamic Host   4030*
               Configuration Protocol (DHCP) Relay Agent Option
--------   Session Timers in the Session Initiation Protocol   4028*
               (SIP)
--------   A Method for Storing IPsec Keying Material in DNS   4025*
--------   Encapsulating MPLS in IP or Generic Routing   4023*
               Encapsulation (GRE)
MIB-TCP   Management Information Base for the Transmission   4022*
               Control Protocol (TCP)
--------   Registration of Mail and MIME Header Fields   4021*
--------   RObust Header Compression (ROHC): Profiles for User   4019*
               Datagram Protocol (UDP) Lite

```
--------   Finding Internet Small Computer Systems Interface    4018*
             (iSCSI) Targets and Name Servers by Using Service
             Location Protocol version 2 (SLPv2)
--------   The Eifel Response Algorithm for TCP                 4015*
--------   Remote Authentication Dial-In User Service (RADIUS)  4014*
             Attributes Suboption for the Dynamic Host
             Configuration Protocol (DHCP) Relay Agent
             Information Option
--------   SASLprep: Stringprep Profile for User Names and      4013*
             Passwords
--------   Routing Policy Specification Language next           4012*
             generation (RPSLng)
--------   Policy Based Management MIB                          4011*
--------   Use of the SEED Encryption Algorithm in             4010*
             Cryptographic Message Syntax (CMS)
--------   Definitions of Managed Objects for Network Address   4008*
             Translators (NAT)
--------   IPv6 Scoped Address Architecture                     4007*
--------   Diameter Credit-Control Application                  4006*
--------   Diameter Network Access Server Application           4005*
--------   Diameter Mobile IPv4 Application                     4004*
--------   GMPLS Signaling Procedure for Egress Control         4003*
--------   IANA Registration for Enumservice 'web' and 'ft'     4002*
--------   Textual Conventions for Internet Network Addresses   4001*
--------   Internet Printing Protocol (IPP): Job and Printer    3998*
             Administrative Operations
--------   Internet Printing Protocol (IPP): The 'ippget'       3996*
             Delivery Method for Event Notifications
--------   Internet Printing Protocol (IPP): Event              3995*
             Notifications and Subscriptions
--------   Indication of Message Composition for Instant        3994*
             Messaging
--------   Subscriber-ID Suboption for the Dynamic Host         3993*
             Configuration Protocol (DHCP) Relay Agent Option
--------   Internationalized Resource Identifiers (IRIs)        3987*
--------   RTP Payload Format for H.264 Video                   3984*
--------   Using the Internet Registry Information Service      3983*
             (IRIS) over the Blocks Extensible Exchange Protocol
             (BEEP)
--------   IRIS:  A Domain Registry (dreg) Type for the         3982*
             Internet Registry Information Service (IRIS)
--------   IRIS: The Internet Registry Information Service      3981*
             (IRIS) Core Protocol
--------   T11 Network Address Authority (NAA) Naming Format    3980*
             for iSCSI Node Names
--------   Network News Transfer Protocol (NNTP)                3977*
--------   Cryptographically Generated Addresses (CGA)          3972*
--------   SEcure Neighbor Discovery (SEND)                     3971*
```

RFC 5000   Internet Official Protocol Standards   May 2008


```
--------   A Traffic Engineering (TE) MIB                        3970*
--------   The tel URI for Telephone Numbers                     3966*
--------   Network Mobility (NEMO) Basic Support Protocol        3963*
--------   Advanced Encryption Standard (AES) Encryption for     3962*
              Kerberos 5
--------   Encryption and Checksum Specifications for Kerberos 5  3961*
--------   The Early Session Disposition Type for the Session    3959*
              Initiation Protocol (SIP)
--------   Domain-Based Application Service Location Using SRV    3958*
              RRs and the Dynamic Delegation Discovery Service
              (DDDS)
--------   Authentication, Authorization, and Accounting (AAA)   3957*
              Registration Keys for Mobile IPv4
--------   Embedding the Rendezvous Point (RP) Address in an     3956*
              IPv6 Multicast Address
--------   Telephone Number Mapping (ENUM) Service Registration  3953*
              for Presence Services
--------   UDP Encapsulation of IPsec ESP Packets                3948*
--------   Negotiation of NAT-Traversal in the IKE               3947*
--------   Generalized Multi-Protocol Label Switching (GMPLS)    3945*
              Architecture
--------   Reclassifying Dynamic Host Configuration Protocol     3942*
              version 4 (DHCPv4) Options
--------   Calling Line Identification for Voice Mail Messages   3939*
--------   Video-Message Message-Context                         3938*
--------   Layer Two Tunneling Protocol - Version 3 (L2TPv3)     3931*
--------   Lightweight Directory Access Protocol (LDAP) Client   3928*
              Update Protocol (LCUP)
--------   Dynamic Configuration of IPv4 Link-Local Addresses    3927*
--------   Vendor-Identifying Vendor Options for Dynamic Host    3925*
              Configuration Protocol version 4 (DHCPv4)
--------   End-to-End Signing and Object Encryption for the      3923*
              Extensible Messaging and Presence Protocol (XMPP)
--------   Mapping the Extensible Messaging and Presence         3922*
              Protocol (XMPP) to Common Presence and Instant
              Messaging (CPIM)
--------   Extensible Messaging and Presence Protocol (XMPP):    3921*
              Instant Messaging and Presence
--------   Extensible Messaging and Presence Protocol (XMPP):    3920*
              Core
--------   Domain Registry Grace Period Mapping for the          3915*
              Extensible Provisioning Protocol (EPP)
--------   The Session Initiation Protocol (SIP) "Join" Header   3911*
--------   The SPIRITS (Services in PSTN requesting Internet     3910*
              Services) Protocol
--------   Lightweight Directory Access Protocol (LDAP) Cancel   3909*
              Operation
```

RFC 5000   Internet Official Protocol Standards   May 2008

```
--------   Session Initiation Protocol (SIP) Extension for     3903*
              Event State Publication
--------   Network Information Service (NIS) Configuration      3898*
              Options for Dynamic Host Configuration Protocol for
              IPv6 (DHCPv6)
DS3-E3-MIB Definitions of Managed Objects for the DS3/E3        3896*
              Interface Type
--------   Sieve Extension: Copying Without Side Effects        3894*
--------   Session Initiation Protocol (SIP) Authenticated      3893*
              Identity Body (AIB) Format
--------   The Session Initiation Protocol (SIP) Referred-By    3892*
              Mechanism
--------   The Session Initiation Protocol (SIP) "Replaces"     3891*
              Header
--------   A Transport Independent Bandwidth Modifier for the   3890*
              Session Description Protocol (SDP)
--------   Message Tracking Query Protocol                      3887*
--------   An Extensible Message Format for Message Tracking    3886*
              Responses
--------   SMTP Service Extension for Message Tracking          3885*
--------   Detecting Inactive Neighbors over OSPF Demand        3883*
              Circuits (DC)
--------   Call Processing Language (CPL): A Language for User  3880*
              Control of Internet Telephony Services
--------   Deprecating Site Local Addresses                     3879*
--------   Alarm Reporting Control Management Information Base   3878*
              (MIB)
--------   Alarm Management Information Base (MIB)              3877*
--------   Returning Matched Values with the Lightweight        3876*
              Directory Access Protocol version 3 (LDAPv3)
--------   Stream Control Transmission Protocol (SCTP)          3873*
              Management Information Base (MIB)
--------   Management Information Base for Telephony Routing     3872*
              over IP (TRIP)
--------   Signalling Connection Control Part User Adaptation    3868*
              Layer (SUA)
--------   Language Tags and Ranges in the Lightweight          3866
              Directory Access Protocol (LDAP)
--------   A No Soliciting Simple Mail Transfer Protocol (SMTP)  3865*
              Service Extension
--------   Presence Information Data Format (PIDF)              3863*
--------   Common Presence and Instant Messaging (CPIM):        3862*
              Message Format
--------   Address Resolution for Instant Messaging and Presence 3861*
--------   Common Profile for Instant Messaging (CPIM)          3860*
--------   Common Profile for Presence (CPP)                    3859*
--------   An Extensible Markup Language (XML) Based Format for  3858*
              Watcher Information
```

```
--------   A Watcher Information Event Template-Package for the   3857*
              Session Initiation Protocol (SIP)
--------   A Presence Event Package for the Session Initiation    3856*
              Protocol (SIP)
--------   Transporting Secure/Multipurpose Internet Mail         3855
              Extensions (S/MIME) Objects in X.400
--------   Securing X.400 Content with Secure/Multipurpose        3854
              Internet Mail Extensions (S/MIME)
SIP        S/MIME Advanced Encryption Standard (AES)              3853
              Requirement for the Session Initiation Protocol (SIP)
--------   Cryptographic Message Syntax (CMS)                     3852
--------   Secure/Multipurpose Internet Mail Extensions           3851
              (S/MIME) Version 3.1 Message Specification
--------   Secure/Multipurpose Internet Mail Extensions           3850
              (S/MIME) Version 3.1 Certificate Handling
--------   ESMTP and LMTP Transmission Types Registration         3848
--------   Mobile IPv4 Extension for Carrying Network Access      3846
              Identifiers
--------   RObust Header Compression (ROHC): A Compression        3843
              Profile for IP
--------   A Message Summary and Message Waiting Indication       3842*
              Event Package for the Session Initiation Protocol
              (SIP)
--------   Caller Preferences for the Session Initiation          3841*
              Protocol (SIP)
--------   Indicating User Agent Capabilities in the Session      3840*
              Initiation Protocol (SIP)
--------   MIME Type Registrations for 3rd Generation             3839
              Partnership Project (3GPP) Multimedia files
--------   Recommendations for Automatic Responses to             3834*
              Electronic Mail
--------   MIKEY: Multimedia Internet KEYing                      3830*
--------   The Lightweight User Datagram Protocol (UDP-Lite)      3828
--------   The Advanced Encryption Standard (AES) Cipher          3826
              Algorithm in the SNMP User-based Security Model
--------   Dynamic Host Configuration Protocol Option for         3825
              Coordinate-based Location Configuration Information
--------   Finding Fibre Channel over TCP/IP (FCIP) Entities      3822
              Using Service Location Protocol version 2 (SLPv2)
--------   Fibre Channel Over TCP/IP (FCIP)                       3821
--------   Internet X.509 Public Key Infrastructure (PKI) Proxy   3820
              Certificate Profile
--------   Definitions of Managed Objects for RObust Header       3816
              Compression (ROHC)
--------   Definitions of Managed Objects for the Multiprotocol   3815
              Label Switching (MPLS), Label Distribution Protocol
              (LDP)
```

```
--------    Multiprotocol Label Switching (MPLS) Forwarding      3814
               Equivalence Class To Next Hop Label Forwarding Entry
               (FEC-To-NHLFE) Management Information Base (MIB)
--------    Multiprotocol Label Switching (MPLS) Label Switching  3813
               Router (LSR) Management Information Base (MIB)
--------    Multiprotocol Label Switching (MPLS) Traffic          3812
               Engineering (TE) Management Information Base (MIB)
--------    Definitions of Textual Conventions (TCs) for          3811
               Multiprotocol Label Switching (MPLS) Management
--------    Multicast Listener Discovery Version 2 (MLDv2) for     3810
               IPv6
--------    V5.2-User Adaptation Layer (V5UA)                      3807
Print-MIB   Printer MIB v2                                         3805
--------    Voice Profile for Internet Mail (VPIM) Addressing      3804
--------    Security Considerations for Signaling Transport        3788
               (SIGTRAN) Protocols
--------    The NewReno Modification to TCP's Fast Recovery        3782
               Algorithm
--------    X.509 Extensions for IP Addresses and AS Identifiers   3779
--------    Using IPsec to Protect Mobile IPv6 Signaling Between   3776
               Mobile Nodes and Home Agents
--------    Mobility Support in IPv6                               3775
--------    Point-to-Point Protocol (PPP) Vendor Protocol          3772
--------    Securely Available Credentials Protocol                3767
--------    enumservice registration for Session Initiation        3764
               Protocol (SIP) Addresses-of-Record
--------    Telephone Number Mapping (ENUM) Service Registration   3762
               for H.323
--------    The E.164 to Uniform Resource Identifiers (URI)        3761
               Dynamic Delegation Discovery System (DDDS)
               Application (ENUM)
--------    Stream Control Transmission Protocol (SCTP) Partial    3758
               Reliability Extension
--------    Transport Layer Security Protocol Compression Methods  3749
PPP-EAP     Extensible Authentication Protocol (EAP)               3748
--------    The Differentiated Services Configuration MIB          3747
--------    MIME Type Registrations for JPEG 2000 (ISO/IEC 15444)  3745
--------    Web Distributed Authoring and Versioning (WebDAV)      3744
               Access Control Protocol
--------    Internet X.509 Public Key Infrastructure: Qualified    3739
               Certificates Profile
--------    IANA Guidelines for the Registry of Remote             3737
               Monitoring (RMON) MIB modules
--------    Stateless Dynamic Host Configuration Protocol (DHCP)   3736
               Service for IPv6
--------    Application Performance Measurement MIB                3729
--------    Definitions of Managed Objects for Very High Speed     3728
               Digital Subscriber Lines (VDSL)
```

RFC 5000   Internet Official Protocol Standards   May 2008

--------   ASN.1 Module Definition for the LDAP and X.500   3727
              Component Matching Rules
--------   Securing Block Storage Protocols over IP   3723
--------   String Profile for Internet Small Computer Systems   3722
              Interface (iSCSI) Names
--------   Internet Small Computer Systems Interface (iSCSI)   3720
--------   The Secure Real-time Transport Protocol (SRTP)   3711
--------   Internet X.509 Public Key Infrastructure: Logotypes   3709
              in X.509 Certificates
--------   High Capacity Textual Conventions for MIB Modules   3705
              Using Performance History Based on 15 Minute
              Intervals
--------   Policy Core Lightweight Directory Access Protocol   3703
              (LDAP) Schema
--------   Lightweight Directory Access Protocol (LDAP):   3698
              Additional Matching Rules
--------   IPv6 Flow Label Specification   3697
--------   Internet Message Access Protocol (IMAP) UNSELECT   3691
              command
--------   Lightweight Directory Access Protocol (LDAP) and   3687
              X.500 Component Matching Rules
--------   Using Advanced Encryption Standard (AES) Counter   3686
              Mode With IPsec Encapsulating Security Payload (ESP)
--------   A Session Initiation Protocol (SIP) Event Package   3680
              for Registrations
--------   The Text/Plain Format and DelSp Parameters   3676
--------   Lightweight Directory Access Protocol version 3   3673
              (LDAPv3): All Operational Attributes
--------   Subentries in the Lightweight Directory Access   3672
              Protocol (LDAP)
--------   Collective Attributes in the Lightweight Directory   3671
              Access Protocol (LDAP)
--------   Information Model for Describing Network Device QoS   3670
              Datapath Mechanisms
FTP   Extensions to FTP   3659*
--------   Use of the Camellia Encryption Algorithm in   3657
              Cryptographic Message Syntax (CMS)
--------   Web Distributed Authoring and Versioning (WebDAV)   3648
              Ordered Collections Protocol
--------   DNS Configuration options for Dynamic Host   3646
              Configuration Protocol for IPv6 (DHCPv6)
--------   Generic Security Service Algorithm for Secret Key   3645
              Transaction Authentication for DNS (GSS-TSIG)
--------   Policy Quality of Service (QoS) Information Model   3644
--------   Fibre Channel (FC) Frame Encapsulation   3643
--------   Common Elements of Generic String Encoding Rules   3642
              (GSER) Encodings
--------   Generic String Encoding Rules (GSER) for ASN.1 Types 3641

```
--------   RTP Payload Format for Transport of MPEG-4        3640
              Elementary Streams
--------   Definitions of Managed Objects for the Ethernet WAN  3637
              Interface Sublayer
--------   Definitions of Managed Objects for the Ethernet-like  3635
              Interface Types
--------   Key Distribution Center (KDC) Server Address       3634
              Sub-option for the Dynamic Host Configuration
              Protocol (DHCP) CableLabs Client Configuration (CCC)
              Option
--------   IPv6 Prefix Options for Dynamic Host Configuration   3633
              Protocol (DHCP) version 6
--------   Traffic Engineering (TE) Extensions to OSPF Version 2  3630
--------   Graceful OSPF Restart                             3623
--------   Power Ethernet MIB                                3621
--------   The TUNNEL Profile                                3620
--------   RTP Control Protocol Extended Reports (RTCP XR)   3611
--------   Session Initiation Protocol (SIP) Extension Header   3608
              Field for Service Route Discovery During Registration
--------   Definitions of Supplemental Managed Objects for ATM   3606
              Interface
--------   Real Time Control Protocol (RTCP) attribute in       3605
              Session Description Protocol (SDP)
--------   The AES-CBC Cipher Algorithm and Its Use with IPsec  3602
--------   Text String Notation for Dial Sequences and Global   3601
              Switched Telephone Network (GSTN) / E.164 Addresses
--------   Handling of Unknown DNS Resource Record (RR) Types   3597
--------   Textual Conventions for IPv6 Flow Label           3595
--------   PacketCable Security Ticket Control Sub-Option for   3594
              the DHCP CableLabs Client Configuration (CCC) Option
--------   Definitions of Managed Objects for the Optical      3591
              Interface Type
--------   Source Address Selection for the Multicast Listener  3590
              Discovery (MLD) Protocol
--------   Diameter Base Protocol                            3588
--------   IP Security Policy (IPSP) Requirements            3586
--------   IPsec Configuration Policy Information Model       3585
--------   An Extension to the Session Initiation Protocol     3581
              (SIP) for Symmetric Response Routing
--------   Mapping of Integrated Services Digital Network      3578
              (ISDN) User Part (ISUP) Overlap Signalling to the
              Session Initiation Protocol (SIP)
--------   IANA Considerations for RADIUS (Remote             3575
              Authentication Dial In User Service)
--------   Signalling of Modem-On-Hold status in Layer 2       3573
              Tunneling Protocol (L2TP)
--------   The AES-XCBC-MAC-96 Algorithm and Its Use With IPsec  3566
```

RFC 5000   Internet Official Protocol Standards   May 2008

-------- Use of the Advanced Encryption Standard (AES)   3565
             Encryption Algorithm in Cryptographic Message Syntax
             (CMS)
-------- Use of the RSAES-OAEP Key Transport Algorithm in   3560
             Cryptographic Message Syntax (CMS)
-------- Multicast Address Allocation MIB   3559
-------- RTP Payload Format for Enhanced Variable Rate Codecs 3558
             (EVRC) and Selectable Mode Vocoders (SMV)
-------- RTP Payload Format for European Telecommunications   3557
             Standards Institute (ETSI) European Standard ES 201
             108 Distributed Speech Recognition Encoding
-------- Session Description Protocol (SDP) Bandwidth   3556
             Modifiers for RTP Control Protocol (RTCP) Bandwidth
-------- On the Use of Stream Control Transmission Protocol   3554
             (SCTP) with IPsec
-------- The Group Domain of Interpretation   3547
-------- Enhanced Compressed RTP (CRTP) for Links with High   3545
             Delay, Packet Loss and Reordering
IPCOM-PPP IP Header Compression over PPP   3544
-------- Registration Revocation in Mobile IPv4   3543
-------- Authentication, Authorization and Accounting (AAA)   3539
             Transport Profile
-------- Wrapping a Hashed Message Authentication Code (HMAC) 3537
             key with a Triple-Data Encryption Standard (DES) Key
             or an Advanced Encryption Standard (AES) Key
-------- The application/ogg Media Type   3534
NFSv4   Network File System (NFS) version 4 Protocol   3530
-------- Link Selection sub-option for the Relay Agent   3527
             Information Option for DHCPv4
-------- More Modular Exponential (MODP) Diffie-Hellman   3526
             groups for Internet Key Exchange (IKE)
-------- Mapping of Media Streams to Resource Reservation   3524
             Flows
-------- Session Authorization Policy Element   3520
-------- Mobile IP Traversal of Network Address Translation   3519
             (NAT) Devices
PPP-BCP   Point-to-Point Protocol (PPP) Bridging Control   3518
             Protocol (BCP)
-------- A Conservative Selective Acknowledgment (SACK)-based 3517
             Loss Recovery Algorithm for TCP
-------- IMAP4 Binary Content Extension   3516
-------- The Session Initiation Protocol (SIP) Refer Method   3515
IPP-E-T   Internet Printing Protocol/1.1: IPP URL Scheme   3510
-------- Message Disposition Notification (MDN) profile for   3503
             Internet Message Access Protocol (IMAP)
-------- Internet Message Access Protocol (IMAP) -   3502
             MULTIAPPEND Extension
IMAPv4   INTERNET MESSAGE ACCESS PROTOCOL - VERSION 4rev1   3501

```
--------   Definitions of Managed Objects for Synchronous    3498
              Optical Network (SONET) Linear Automatic Protection
              Switching (APS) Architectures
--------   RTP Payload Format for Society of Motion Picture and  3497
              Television Engineers (SMPTE) 292M Video
--------   Dynamic Host Configuration Protocol (DHCP) Option   3495
              for CableLabs Client Configuration
--------   Punycode: A Bootstring encoding of Unicode for     3492
              Internationalized Domain Names in Applications (IDNA)
--------   Nameprep: A Stringprep Profile for Internationalized  3491
              Domain Names (IDN)
--------   Internationalizing Domain Names in Applications    3490
              (IDNA)
--------   STUN - Simple Traversal of User Datagram Protocol   3489
              (UDP) Through Network Address Translators (NATs)
--------   Compressing the Session Initiation Protocol (SIP)   3486
--------   The Session Initiation Protocol (SIP) and Session   3485
              Description Protocol (SDP) Static Dictionary for
              Signaling Compression (SigComp)
--------   Default Address Selection for Internet Protocol     3484
              version 6 (IPv6)
--------   Signalling Unnumbered Links in CR-LDP              3480
              (Constraint-Routing Label Distribution Protocol)
--------   Fault Tolerance for the Label Distribution Protocol  3479
              (LDP)
--------   Graceful Restart Mechanism for Label Distribution   3478
              Protocol
--------   Signalling Unnumbered Links in Resource ReSerVation  3477
              Protocol - Traffic Engineering (RSVP-TE)
--------   Generalized Multi-Protocol Label Switching (GMPLS)   3473
              Signaling Resource ReserVation Protocol-Traffic
              Engineering (RSVP-TE) Extensions
--------   Generalized Multi-Protocol Label Switching (GMPLS)   3472
              Signaling Constraint-based Routed Label Distribution
              Protocol (CR-LDP) Extensions
--------   Generalized Multi-Protocol Label Switching (GMPLS)   3471
              Signaling Functional Description
CIM        Policy Core Information Model (PCIM) Extensions     3460
--------   Critical Content Multi-purpose Internet Mail        3459
              Extensions (MIME) Parameter
--------   Message Context for Internet Mail                   3458
--------   Dynamic Host Configuration Protocol (DHCPv4)        3456
              Configuration of IPsec Tunnel Mode
--------   Preparation of Internationalized Strings            3454
              ("stringprep")
--------   TCP Friendly Rate Control (TFRC): Protocol          3448
              Specification
```

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Time To Live (TTL) Processing in Multi-Protocol   3443
               Label Switching (MPLS) Networks
--------   The Classless Static Route Option for Dynamic Host   3442
               Configuration Protocol (DHCP) version 4
--------   Definitions of Extension Managed Objects for   3440
               Asymmetric Digital Subscriber Lines
--------   Layer-Two Tunneling Protocol Extensions for PPP Link 3437
               Control Protocol Negotiation
--------   Transport Layer Security over Stream Control   3436
               Transmission Protocol
--------   Remote Monitoring MIB Extensions for High Capacity   3434
               Alarms
--------   Entity Sensor Management Information Base   3433
--------   Network performance measurement with periodic streams 3432
--------   Session Initiation Protocol (SIP) Extension for   3428
               Instant Messaging
--------   Obsoleting IQUERY   3425
--------   Internet Media Type message/sipfrag   3420
--------   Textual Conventions for Transport Addresses   3419
--------   Zero-byte Support for Bidirectional Reliable Mode   3408
               (R-mode) in Extended Link-Layer Assisted RObust
               Header Compression (ROHC) Profile
--------   Session Description Protocol (SDP) Simple Capability   3407
               Declaration
NAPTR   Dynamic Delegation Discovery System (DDDS) Part   3404
               Four: The Uniform Resource Identifiers (URI)
NAPTR   Dynamic Delegation Discovery System (DDDS) Part   3403
               Three: The Domain Name System (DNS) Database
NAPTR   Dynamic Delegation Discovery System (DDDS) Part Two: 3402
               The Algorithm
--------   Integrated Services Digital Network (ISDN) User Part 3398
               (ISUP) to Session Initiation Protocol (SIP) Mapping
--------   Dynamic Host Configuration Protocol (DHCP) Domain   3397
               Search Option
--------   Encoding Long Options in the Dynamic Host   3396
               Configuration Protocol (DHCPv4)
RMON-MIB   Remote Network Monitoring MIB Protocol Identifier   3395
               Reference Extensions
--------   IP Packet Delay Variation Metric for IP Performance   3393
               Metrics (IPPM)
--------   Increasing TCP's Initial Window   3390
--------   Real-time Transport Protocol (RTP) Payload for   3389
               Comfort Noise (CN)
--------   Grouping of Media Lines in the Session Description   3388
               Protocol (SDP)
IPP-E-T   Internet Printing Protocol (IPP): The 'collection'   3382
               attribute syntax

RFC 5000   Internet Official Protocol Standards   May 2008

IPP-E-T   Internet Printing Protocol (IPP): Job Progress   3381
                Attributes
IPP-E-T   Internet Printing Protocol (IPP): Job and Printer   3380
                Set Operations
IGMP   Internet Group Management Protocol, Version 3   3376
--------   Layer Two Tunneling Protocol "L2TP" Management   3371
                Information Base
--------   Cryptographic Message Syntax (CMS) Algorithms   3370
--------   The 'go' URI Scheme for the Common Name Resolution   3368
                Protocol
--------   Common Name Resolution Protocol (CNRP)   3367
--------   Real-time Facsimile (T.38) - image/t38 MIME Sub-type 3362
                Registration
--------   Dynamic Host Configuration Protocol (DHCP-for-IPv4)   3361
                Option for Session Initiation Protocol (SIP) Servers
--------   Layer Two Tunnelling Protocol (L2TP) Over ATM   3355
                Adaptation Layer 5 (AAL5)
--------   Small Computer Systems Interface protocol over the   3347
                Internet (iSCSI) Requirements and Design
                Considerations
MOBILEIPSU   IP Mobility Support for IPv4   3344
--------   The Application Exchange (APEX) Option Party Pack,   3342
                Part Deux!
--------   The Application Exchange (APEX) Access Service   3341
--------   The Application Exchange Core   3340
--------   Date and Time on the Internet: Timestamps   3339
--------   Class Extensions for PPP over Asynchronous Transfer   3337
                Mode Adaptation Layer 2
--------   PPP Over Asynchronous Transfer Mode Adaptation Layer 3336
                2 (AAL2)
--------   MIME-based Secure Peer-to-Peer Business Data   3335
                Interchange over the Internet
--------   Signaling System 7 (SS7) Message Transfer Part 2   3331
                (MTP2) - User Adaptation Layer
--------   Security Mechanism Agreement for the Session   3329
                Initiation Protocol (SIP)
--------   Session Initiation Protocol (SIP) Extension Header   3327
                Field for Registering Non-Adjacent Contacts
--------   The Reason Header Field for the Session Initiation   3326
                Protocol (SIP)
--------   A Privacy Mechanism for the Session Initiation   3323
                Protocol (SIP)
--------   Signaling Compression (SigComp) - Extended Operations 3321
--------   Signaling Compression (SigComp)   3320
--------   Dynamic Host Configuration Protocol (DHCPv6) Options 3319
                for Session Initiation Protocol (SIP) Servers
--------   Dynamic Host Configuration Protocol for IPv6 (DHCPv6) 3315

```
--------    Integration of Resource Management and Session    3312
               Initiation Protocol (SIP)
--------    The Session Initiation Protocol (SIP) UPDATE Method    3311
--------    Layer Two Tunneling Protocol (L2TP) Differentiated    3308
               Services Extension
--------    Allocation Guidelines for IPv6 Multicast Addresses    3307
--------    Unicast-Prefix-based IPv6 Multicast Addresses    3306
--------    Layer Two Tunnelling Protocol (L2TP): ATM access    3301
               network extensions
--------    Content Negotiation for Messaging Services based on    3297
               Email
--------    Named Subordinate References in Lightweight    3296
               Directory Access Protocol (LDAP) Directories
--------    Definitions of Managed Objects for the General    3295
               Switch Management Protocol (GSMP)
--------    General Switch Management Protocol (GSMP) Packet    3293
               Encapsulations for Asynchronous Transfer Mode (ATM),
               Ethernet and Transmission Control Protocol (TCP)
--------    General Switch Management Protocol (GSMP) V3    3292
--------    Management Information Base for the Differentiated    3289
               Services Architecture
--------    Remote Monitoring MIB Extensions for Differentiated    3287
               Services
--------    The VCDIFF Generic Differencing and Compression Data    3284
               Format
--------    An Internet Attribute Certificate Profile for    3281
               Authorization
--------    Internet X.509 Public Key Infrastructure Certificate    3280
               and Certificate Revocation List (CRL) Profile
--------    Algorithms and Identifiers for the Internet X.509    3279
               Public Key Infrastructure Certificate and
               Certificate Revocation List (CRL) Profile
--------    Compressed Data Content Type for Cryptographic    3274
               Message Syntax (CMS)
--------    Remote Network Monitoring Management Information    3273
               Base for High Capacity Networks
--------    Multi-Protocol Label Switching (MPLS) Support of    3270
               Differentiated Services
--------    Advanced Encryption Standard (AES) Ciphersuites for    3268
               Transport Layer Security (TLS)
SIP         Session Initiation Protocol (SIP)-Specific Event    3265
               Notification
SIP         An Offer/Answer Model with Session Description    3264
               Protocol (SDP)
SIP         Session Initiation Protocol (SIP): Locating SIP    3263
               Servers
SIP         Reliability of Provisional Responses in Session    3262
               Initiation Protocol (SIP)
```

RFC 5000   Internet Official Protocol Standards   May 2008

SIP   SIP: Session Initiation Protocol   3261
--------   The DOCSIS (Data-Over-Cable Service Interface   3256
               Specifications) Device Class DHCP (Dynamic Host
               Configuration Protocol) Relay Agent Information
               Sub-option
--------   Extending Point-to-Point Protocol (PPP) over   3255
               Synchronous Optical NETwork/Synchronous Digital
               Hierarchy (SONET/SDH) with virtual concatenation,
               high order and low order payloads
--------   Versioning Extensions to WebDAV (Web Distributed 3253
               Authoring and Versioning)
--------   An Expedited Forwarding PHB (Per-Hop Behavior)   3246
--------   Robust Header Compression (ROHC) over PPP   3241
--------   Definitions of Managed Objects for Scheduling   3231
               Management Operations
--------   Instance Digests in HTTP   3230
--------   Delta encoding in HTTP   3229
--------   DNSSEC and IPv6 A6 aware server/resolver message 3226
               size requirements
--------   Indicating Resolver Support of DNSSEC   3225
SLP   Vendor Extensions for Service Location Protocol, 3224
               Version 2
--------   Telephony Routing over IP (TRIP)   3219
--------   LSP Modification Using CR-LDP   3214
--------   Constraint-Based LSP Setup using LDP   3212
--------   RSVP-TE: Extensions to RSVP for LSP Tunnels   3209
--------   SMTP Service Extension for Secure SMTP over   3207
               Transport Layer Security
--------   The SYS and AUTH POP Response Codes   3206
--------   MIME media types for ISUP and QSIG Objects   3204
--------   DHCP reconfigure extension   3203
--------   Definitions of Managed Objects for Frame Relay   3202
               Service Level Definitions
--------   Definitions of Managed Objects for Circuit to   3201
               Interface Translation
--------   Reliable Delivery for syslog   3195
--------   Securing L2TP using IPsec   3193
--------   RTP Payload Format for 12-bit DAT Audio and 20- and 3190
               24-bit Linear Sampled Audio
--------   RTP Payload Format for DV (IEC 61834) Video   3189
--------   Reuse of CMS Content Encryption Keys   3185
--------   Identity Representation for RSVP   3182
--------   Signaled Preemption Priority Policy Element   3181
--------   Aggregation of RSVP for IPv4 and IPv6 Reservations 3175
IPCOMP   IP Payload Compression Protocol (IPComp)   3173
--------   The Addition of Explicit Congestion Notification 3168
               (ECN) to IP

RFC 5000   Internet Official Protocol Standards   May 2008

```
FR-MIB      Definitions of Managed Objects for Frame Relay      2954
               Service
--------    Telnet Encryption: CAST-128 64 bit Cipher Feedback   2950
--------    Telnet Encryption: CAST-128 64 bit Output Feedback   2949
--------    Telnet Encryption: DES3 64 bit Output Feedback       2948
--------    Telnet Encryption: DES3 64 bit Cipher Feedback       2947
--------    Telnet Data Encryption Option                        2946
--------    The SRP Authentication and Key Exchange System       2945
--------    Telnet Authentication: SRP                           2944
--------    TELNET Authentication Using DSA                      2943
--------    Telnet Authentication: Kerberos Version 5            2942
TOPT-AUTH   Telnet Authentication Option                         2941
--------    Definitions of Managed Objects for Common Open       2940
               Policy Service (COPS) Protocol Clients
--------    Identifying Composite Media Features                 2938
--------    The Name Service Search Option for DHCP              2937
IOTP-HTTP   Internet Open Trading Protocol (IOTP) HTTP Supplement 2935
--------    Internet Group Management Protocol MIB               2933
--------    DNS Request and Transaction Signatures ( SIG(0)s )   2931
TKEY-RR     Secret Key Establishment for DNS (TKEY RR)           2930
--------    List-Id: A Structured Field and Namespace for the    2919
               Identification of Mailing Lists
--------    Route Refresh Capability for BGP-4                   2918
--------    MIME Content Types in Media Feature Expressions      2913
--------    Indicating Media Features for MIME Content           2912
IPP-M-S     Internet Printing Protocol/1.1: Model and Semantics  2911
IPP-E-T     Internet Printing Protocol/1.1: Encoding and         2910
               Transport
--------    MADCAP Multicast Scope Nesting State Option          2907
--------    Router Renumbering for IPv6                          2894
--------    LDAP Control Extension for Server Side Sorting of     2891
               Search Results
--------    Key and Sequence Number Extensions to GRE            2890
SACK        An Extension to the Selective Acknowledgement (SACK) 2883
               Option for TCP
--------    Content Feature Schema for Internet Fax (V2)         2879
--------    Diffie-Hellman Proof-of-Possession Algorithms        2875
--------    TCP Processing of the IPv4 Precedence Field          2873
--------    Application and Sub Application Identity Policy       2872
               Element for Use with RSVP
--------    The Inverted Stack Table Extension to the Interfaces 2864
               Group MIB
--------    RTP Payload Format for Real-Time Pointers            2862
--------    The Use of HMAC-RIPEMD-160-96 within ESP and AH      2857
--------    Textual Conventions for Additional High Capacity     2856
               Data Types
--------    DHCP for IEEE 1394                                   2855
```

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Generic Security Service API Version 2 : Java   2853
              Bindings
--------   Deliver By SMTP Service Extension   2852
LDIF   The LDAP Data Interchange Format (LDIF) - Technical   2849
              Specification
--------   The PINT Service Protocol: Extensions to SIP and SDP   2848
              for IP Access to Telephone Call Services
LIPKEY   LIPKEY - A Low Infrastructure Public Key Mechanism   2847
              Using SPKM
--------   GSTN Address Element Extensions in E-mail Services   2846
TSIG   Secret Key Transaction Authentication for DNS (TSIG)   2845
GSN   IP and ARP over HIPPI-6400 (GSN)   2835
--------   ARP and IP Broadcast over HIPPI-800   2834
--------   Using Digest Authentication as a SASL Mechanism   2831
MAIL   Internet Message Format   2822
--------   Upgrading to TLS Within HTTP/1.1   2817
--------   Integrated Service Mappings on IEEE 802 Networks   2815
--------   SBM (Subnet Bandwidth Manager): A Protocol for   2814
              RSVP-based Admission Control over IEEE 802-style
              networks
--------   Certificate Management Messages over CMS   2797
--------   Mobile IP Network Access Identifier Extension for   2794
              IPv4
--------   Mail Monitoring MIB   2789
--------   Network Services Monitoring MIB   2788
--------   Definitions of Managed Objects for the Virtual   2787
              Router Redundancy Protocol
GRE   Generic Routing Encapsulation (GRE)   2784
DNS-SRV   A DNS RR for specifying the location of services   2782
              (DNS SRV)
MZAP   Multicast-Scope Zone Announcement Protocol (MZAP)   2776
RPSL   Routing Policy System Replication   2769
SIIT   Stateless IP/ICMP Translation Algorithm (SIIT)   2765
--------   RSVP Extensions for Policy Control   2750
--------   COPS usage for RSVP   2749
COPS   The COPS (Common Open Policy Service) Protocol   2748
--------   RSVP Cryptographic Authentication   2747
--------   RSVP Operation Over IP Tunnels   2746
--------   RSVP Diagnostic Messages   2745
--------   Generic Security Service API Version 2 : C-bindings   2744
--------   Generic Security Service Application Program   2743
              Interface Version 2, Update 1
--------   OSPF for IPv6   2740
--------   Calendar Attributes for vCard and LDAP   2739
--------   Corrections to "A Syntax for Describing Media   2738
              Feature Sets"
--------   NHRP Support for Virtual Private Networks   2735
--------   IPv4 over IEEE 1394   2734

RFC 5000   Internet Official Protocol Standards   May 2008

```
--------   ILMI-Based Server Discovery for MARS              2602
--------   ILMI-Based Server Discovery for ATMARP            2601
--------   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
              in IPv4 Clients
TN2370E-RT Definitions of Protocol and Managed Objects for   2562
              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)
--------   Use of BGP-4 Multiprotocol Extensions for IPv6     2545
              Inter-Domain Routing
DHK-DNS    Storage of Diffie-Hellman Keys in the Domain Name  2539
              System (DNS)
--------   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
ATM-MIBMAN Definitions of Managed Objects for ATM Management  2515
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
```

RFC 5000   Internet Official Protocol Standards   May 2008


```
--------    IP Header Compression                             2507
--------    Transmission of IPv6 Packets over ARCnet Networks 2497
--------    Definitions of Managed Objects for the DS0 and DS0 2494
               Bundle Interface Type
IPv6ATMNET IPv6 over ATM Networks                             2492
IPv6-NBMA  IPv6 over Non-Broadcast Multiple Access (NBMA)     2491
               networks
--------    DHCP Option for The Open Group's User Authentication 2485
               Protocol
--------    PPP LCP Internationalization Configuration Option  2484
--------    Gateways and MIME Security Multiparts             2480
--------    Definition of the Differentiated Services Field (DS 2474
               Field) in the IPv4 and IPv6 Headers
--------    Generic Packet Tunneling in IPv6 Specification    2473
--------    Transmission of IPv6 Packets over Token Ring Networks 2470
--------    Transmission of IPv6 Packets over FDDI Networks   2467
--------    Transmission of IPv6 Packets over Ethernet Networks 2464
EBN-MIB    Definitions of Managed Objects for Extended Border 2457
               Node
--------    Definitions of Managed Objects for APPN TRAPS     2456
APPN-MIB   Definitions of Managed Objects for APPN            2455
--------    The ESP CBC-Mode Cipher Algorithms                2451
POP3-EXT   POP3 Extension Mechanism                           2449
IMIP       iCalendar Message-Based Interoperability Protocol  2447
               (iMIP)
ITIP       iCalendar Transport-Independent Interoperability   2446
               Protocol (iTIP) Scheduling Events, BusyTime, To-dos
               and Journal Entries
ICALENDAR  Internet Calendaring and Scheduling Core Object    2445
               Specification (iCalendar)
OTP-SASL   The One-Time-Password SASL Mechanism               2444
--------    BGP Route Flap Damping                            2439
--------    RTP Payload Format for JPEG-compressed Video       2435
--------    RTP Payload Format for BT.656 Video Encoding       2431
--------    FTP Extensions for IPv6 and NATs                  2428
MIME-VCARD vCard MIME Directory Profile                       2426
TXT-DIR    A MIME Content-Type for Directory Information      2425
3DESE      The PPP Triple-DES Encryption Protocol (3DESE)     2420
DESE-bis   The PPP DES Encryption Protocol, Version 2 (DESE-bis) 2419
--------    Definitions of Managed Objects for Multicast over  2417
               UNI 3.0/3.1 based ATM Networks
--------    The NULL Encryption Algorithm and Its Use With IPsec 2410
ESPDES-CBC The ESP DES-CBC Cipher Algorithm With Explicit IV  2405
--------    The Use of HMAC-SHA-1-96 within ESP and AH        2404
--------    The Use of HMAC-MD5-96 within ESP and AH          2403
DATA-URL   The "data" URL scheme                              2397
CIDMID-URL Content-ID and Message-ID Uniform Resource Locators 2392
```

```
--------   Feature negotiation mechanism for the File Transfer    2389
              Protocol
--------   Returning Values from Forms: multipart/form-data       2388
MIME-RELAT The MIME Multipart/Related Content-type                2387
--------   Protection of BGP Sessions via the TCP MD5 Signature   2385
              Option
POP-URL    POP URL Scheme                                         2384
--------   Interoperation of Controlled-Load Service and          2381
              Guaranteed Service with ATM
--------   RSVP over ATM Implementation Requirements              2380
TIPV3      Transaction Internet Protocol Version 3.0              2371
OSPF-LSA   The OSPF Opaque LSA Option                             2370
--------   The Use of URLs as Meta-Syntax for Core Mail List      2369
              Commands and their Transport through Message Header
              Fields
URLMAILTO  The mailto URL scheme                                  2368
PPP-AAL    PPP Over AAL5                                          2364
PPP-FUNI   PPP Over FUNI                                          2363
IMAP4NAME  IMAP4 Namespace                                        2342
NHRP-SCSP  A Distributed NHRP Service Using SCSP                  2335
SCSP       Server Cache Synchronization Protocol (SCSP)           2334
--------   NHRP Protocol Applicability Statement                  2333
NHRP       NBMA Next Hop Resolution Protocol (NHRP)               2332
UNI-SIG    ATM Signalling Support for IP over ATM - UNI           2331
              Signalling 4.0 Update
RTSP       Real Time Streaming Protocol (RTSP)                    2326
IPOA-MIB   Definitions of Managed Objects for Classical IP and    2320
              ARP Over ATM Using SMIv2 (IPOA-MIB)
DNS-NCACHE Negative Caching of DNS Queries (DNS NCACHE)           2308
OR-ADD     Representing the O/R Address hierarchy in the X.500     2294
              Directory Information Tree
SUBTABLE   Representing Tables and Subtrees in the X.500          2293
              Directory
--------   Mobile-IPv4 Configuration Option for PPP IPCP          2290
SLM-APP    Definitions of System-Level Managed Objects for        2287
              Applications
--------   Definitions of Managed Objects for IEEE 802.12         2266
              Repeater Devices
RTP-MPEG   RTP Payload Format for MPEG1/MPEG2 Video               2250
--------   Using Domains in LDAP/X.500 Distinguished Names        2247
ACAP       ACAP -- Application Configuration Access Protocol      2244
OTP-ER     OTP Extended Responses                                 2243
NETWAREIP  NetWare/IP Domain Name and Information                 2242
DHCP-NDS   DHCP Options for Novell Directory Services             2241
HPR-MIB    Definitions of Managed Objects for HPR using SMIv2     2238
DLUR-MIB   Definitions of Managed Objects for DLUR using SMIv2    2232
MIME-EXT   MIME Parameter Value and Encoded Word Extensions:      2231
              Character Sets, Languages, and Continuations
```

RFC 5000   Internet Official Protocol Standards   May 2008

RFC 5000   Internet Official Protocol Standards   May 2008


```
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
```

GSSAPI-SOC GSS-API Authentication Method for SOCKS Version 5   1961
AUTH-SOCKS Username/Password Authentication for SOCKS V5   1929
SOCKSV5   SOCKS Protocol Version 5   1928
MIME-Encyp Security Multiparts for MIME: Multipart/Signed and   1847
           Multipart/Encrypted
--------   Binding Protocols for ONC RPC Version 2   1833
RPC   RPC: Remote Procedure Call Protocol Specification   1831
           Version 2
--------   The ESP DES-CBC Transform   1829
--------   Requirements for IP Version 4 Routers   1812
OSPF-DC   Extending OSPF to Support Demand Circuits   1793
MIME-EDI   MIME Encapsulation of EDI Objects   1767
ATM   ATM Signaling Support for IP over ATM   1755
IPNG   The Recommendation for the IP Next Generation   1752
           Protocol
MacMIME   MIME Encapsulation of Macintosh Files - MacMIME   1740
IMAP4-AUTH IMAP4 Authentication Mechanisms   1731
RDBMS-MIB Relational Database Management System (RDBMS)   1697
           Management Information Base (MIB) using SMIv2
PPP-TRANS PPP Reliable Transmission   1663
PPP-ISDN   PPP over ISDN   1618
PPP-X25   PPP in X.25   1598
RIP-DC   Extensions to RIP to Support Demand Circuits   1582
TOPT-ENVIR Telnet Environment Option   1572
PPP-LCP   PPP LCP Extensions   1570
PPP/IPMIB The Definitions of Managed Objects for the IP   1473
           Network Control Protocol of the Point-to-Point
           Protocol
PPP/SECMIB The Definitions of Managed Objects for the Security   1472
           Protocols of the Point-to-Point Protocol
PPP/LCPMIB The Definitions of Managed Objects for the Link   1471
           Control Protocol of the Point-to-Point Protocol
SNMP-IPX   SNMP over IPX   1420
IDENT   Identification Protocol   1413
SNMP-X.25 SNMP MIB Extension for the X.25 Packet Layer   1382
SNMP-LAPB SNMP MIB Extension for X.25 LAPB   1381
PPP-OSINLC The PPP OSI Network Layer Control Protocol (OSINLCP)   1377
TOPT-RFC   Telnet Remote Flow Control Option   1372
PPP-IPCP   The PPP Internet Protocol Control Protocol (IPCP)   1332
TCP-EXT   TCP Extensions for High Performance   1323
--------   Encoding Network Addresses to Support Operation over   1277
           Non-OSI Lower Layers
ICMP-ROUT ICMP Router Discovery Messages   1256
IS-IS   Use of OSI IS-IS for routing in TCP/IP and dual   1195
           environments
IP-CMPRS   Compressing TCP/IP Headers for Low-Speed Serial Links 1144
TOPT-XDL   Telnet X display location option   1096
TOPT-TERM Telnet terminal-type option   1091

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

RFC 5000   Internet Official Protocol Standards   May 2008

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Session Initiation Protocol (SIP) Basic Call Flow   3665   75
               Examples
--------   Session Initiation Protocol (SIP) Public Switched   3666   76
               Telephone Network (PSTN) Call Flows
--------   IETF ISOC Board of Trustee Appointment Procedures   3677   77
--------   IETF Rights in Contributions   3978*   78
--------   RFC 3978 Update to Recognize the IETF Trust   4748*   78
--------   Intellectual Property Rights in IETF Technology   3979*   79
--------   Clarification of the Third Party Disclosure   4879*   79
               Procedure in RFC 3979
--------   Delegation of E.F.F.3.IP6.ARPA   3681   80
--------   The IETF XML Registry   3688   81
--------   Assigning Experimental and Testing Numbers   3692   82
               Considered Useful
--------   A Practice for Revoking Posting Rights to IETF   3683   83
               Mailing Lists
--------   Ingress Filtering for Multihomed Networks   3704   84
--------   Best Current Practices for Third Party Call   3725   85
               Control (3pcc) in the Session Initiation Protocol
               (SIP)
--------   Determining Strengths For Public Keys Used For   3766   86
               Exchanging Symmetric Keys
--------   Use of Interior Gateway Protocol (IGP) Metric as a   3785   87
               second MPLS Traffic Engineering (TE) Metric
--------   IANA Considerations for the Point-to-Point   3818   88
               Protocol (PPP)
--------   Advice for Internet Subnetwork Designers   3819   89
--------   Registration Procedures for Message Header Fields   3864*   90
--------   DNS IPv6 Transport Operational Guidelines   3901*   91
--------   The IESG and RFC Editor Documents: Procedures   3932*   92
--------   A Model for IETF Process Experiments   3933*   93
--------   Updates to RFC 2418 Regarding the Management of   3934*   94
               IETF Mailing Lists
--------   A Mission Statement for the IETF   3935*   95
--------   Procedures for Modifying the Resource reSerVation   3936*   96
               Protocol (RSVP)
--------   Clarifying when Standards Track Documents may   3967*   97
               Refer Normatively to Documents at a Lower Level
--------   Handling Normative References to Standards-Track   4897*   97
               Documents
--------   The Internet Assigned Number Authority (IANA)   3968*   98
               Header Field Parameter Registry for the Session
               Initiation Protocol (SIP)
--------   The Internet Assigned Number Authority (IANA)   3969*   99
               Uniform Resource Identifier (URI) Parameter
               Registry for the Session Initiation Protocol (SIP
--------   Early IANA Allocation of Standards Track Code   4020* 100
               Points

```
--------   Structure of the IETF Administrative Support       4071* 101
              Activity (IASA)
--------   BCP 101 Update for IPR Trust                        4371* 101
--------   IAB Processes for Management of IETF Liaison        4052* 102
              Relationships
--------   Procedures for Handling Liaison Statements to and  4053* 103
              from the IETF
--------   Terminology for Describing Internet Connectivity   4084* 104
--------   Embedding Globally-Routable Internet Addresses     4085* 105
              Considered Harmful
--------   Randomness Requirements for Security                4086* 106
--------   Guidelines for Cryptographic Key Management         4107* 107
--------   IP Performance Metrics (IPPM) Metrics Registry      4148* 108
--------   Deprecation of "ip6.int"                            4159* 109
--------   Tunneling Multiplexed Compressed RTP (TCRTP)        4170* 110
--------   Guidelines for Authors and Reviewers of MIB        4181* 111
              Documents
--------   RFC 4181 Update to Recognize the IETF Trust        4841* 111
--------   Prioritized Treatment of Specific OSPF Version 2   4222* 112
              Packets and Congestion Avoidance
--------   The IETF Administrative Oversight Committee (IAOC)  4333* 113
              Member Selection Guidelines and Process
--------   BGP Communities for Data Collection                 4384* 114
--------   Guidelines and Registration Procedures for New URI 4395* 115
              Schemes
--------   IANA Allocations for Pseudowire Edge to Edge       4446* 116
              Emulation (PWE3)
--------   Interworking between the Session Initiation        4497* 117
              Protocol (SIP) and QSIG
--------   Considerations for Lightweight Directory Access    4521* 118
              Protocol (LDAP) Extensions
--------   Session Initiation Protocol (SIP) Call Control -   4579* 119
              Conferencing for User Agents
--------   Source-Specific Protocol Independent Multicast in  4608* 120
              232/8
--------   Multicast Source Discovery Protocol (MSDP)         4611* 121
              Deployment Scenarios
CIDR-STRA  Classless Inter-domain Routing (CIDR): The         4632* 122
              Internet Address Assignment and Aggregation Plan
--------   Observed DNS Resolution Misbehavior                 4697* 123
--------   Specifying Alternate Semantics for the Explicit    4774* 124
              Congestion Notification (ECN) Field
--------   Procedures for Protocol Extensions and Variations  4775* 125
--------   Operation of Anycast Services                       4786* 126
--------   Network Address Translation (NAT) Behavioral       4787* 127
              Requirements for Unicast UDP
--------   Avoiding Equal Cost Multipath Treatment in MPLS    4928* 128
              Networks
```

```
--------    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*
```

--------	Observed DNS Resolution Misbehavior	123	4697*
--------	Matching of Language Tags	47	4647*
--------	Tags for Identifying Languages	47	4646*
CIDR-STRA	Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan	122	4632*
--------	Multicast Source Discovery Protocol (MSDP) Deployment Scenarios	121	4611*
--------	Source-Specific Protocol Independent Multicast in 232/8	120	4608*
--------	Session Initiation Protocol (SIP) Call Control - Conferencing for User Agents	119	4579*
--------	Considerations for Lightweight Directory Access Protocol (LDAP) Extensions	118	4521*
--------	Internet Assigned Numbers Authority (IANA) Considerations for the Lightweight Directory Access Protocol (LDAP)	64	4520*
--------	Interworking between the Session Initiation Protocol (SIP) and QSIG	117	4497*
--------	IANA Allocations for Pseudowire Edge to Edge Emulation (PWE3)	116	4446*
--------	Guidelines and Registration Procedures for New URI Schemes	115	4395*
--------	BGP Communities for Data Collection	114	4384*
--------	BCP 101 Update for IPR Trust	101	4371*
--------	The IETF Administrative Oversight Committee (IAOC) Member Selection Guidelines and Process	113	4333*
--------	Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures	13	4289*
--------	Media Type Specifications and Registration Procedures	13	4288*
--------	Prioritized Treatment of Specific OSPF Version 2 Packets and Congestion Avoidance	112	4222*
--------	Guidelines for Authors and Reviewers of MIB Documents	111	4181*
--------	Tunneling Multiplexed Compressed RTP (TCRTP)	110	4170*
--------	Deprecation of "ip6.int"	109	4159*
--------	IP Performance Metrics (IPPM) Metrics Registry	108	4148*
--------	Guidelines for Cryptographic Key Management	107	4107*
--------	Randomness Requirements for Security	106	4086*
--------	Embedding Globally-Routable Internet Addresses Considered Harmful	105	4085*
--------	Terminology for Describing Internet Connectivity	104	4084*
--------	Structure of the IETF Administrative Support Activity (IASA)	101	4071*
--------	Procedures for Handling Liaison Statements to and from the IETF	103	4053*
--------	IAB Processes for Management of IETF Liaison Relationships	102	4052*

--------   Early IANA Allocation of Standards Track Code   100 4020*
               Points
--------   Intellectual Property Rights in IETF Technology   79 3979*
--------   IETF Rights in Contributions   78 3978*
--------   The Internet Assigned Number Authority (IANA)   99 3969*
               Uniform Resource Identifier (URI) Parameter
               Registry for the Session Initiation Protocol
               (SIP)
--------   The Internet Assigned Number Authority (IANA)   98 3968*
               Header Field Parameter Registry for the Session
               Initiation Protocol (SIP)
--------   Clarifying when Standards Track Documents may   97 3967*
               Refer Normatively to Documents at a Lower Level
--------   Procedures for Modifying the Resource   96 3936*
               reSerVation Protocol (RSVP)
--------   A Mission Statement for the IETF   95 3935*
--------   Updates to RFC 2418 Regarding the Management of   94 3934*
               IETF Mailing Lists
--------   A Model for IETF Process Experiments   93 3933*
--------   The IESG and RFC Editor Documents: Procedures   92 3932*
--------   DNS IPv6 Transport Operational Guidelines   91 3901*
--------   Registration Procedures for Message Header Fields   90 3864*
--------   Advice for Internet Subnetwork Designers   89 3819
--------   IANA Considerations for the Point-to-Point   88 3818
               Protocol (PPP)
--------   Use of Interior Gateway Protocol (IGP) Metric as   87 3785
               a second MPLS Traffic Engineering (TE) Metric
--------   IAB and IESG Selection, Confirmation, and Recall   10 3777
               Process: Operation of the Nominating and Recall
               Committees
--------   Determining Strengths For Public Keys Used For   86 3766
               Exchanging Symmetric Keys
--------   Best Current Practices for Third Party Call   85 3725
               Control (3pcc) in the Session Initiation
               Protocol (SIP)
--------   Ingress Filtering for Multihomed Networks   84 3704
--------   Assigning Experimental and Testing Numbers   82 3692
               Considered Useful
--------   The IETF XML Registry   81 3688
--------   A Practice for Revoking Posting Rights to IETF   83 3683
               Mailing Lists
--------   Delegation of E.F.F.3.IP6.ARPA   80 3681
--------   IETF ISOC Board of Trustee Appointment Procedures   77 3677
--------   Session Initiation Protocol (SIP) Public   76 3666
               Switched Telephone Network (PSTN) Call Flows
--------   Session Initiation Protocol (SIP) Basic Call   75 3665
               Flow Examples

--------   Coexistence between Version 1, Version 2, and   74 3584
               Version 3 of the Internet-standard Network
               Management Framework
--------   An IETF URN Sub-namespace for Registered   73 3553
               Protocol Parameters
--------   Guidelines for Writing RFC Text on Security   72 3552
               Considerations
--------   TCP over Second (2.5G) and Third (3G) Generation   71 3481
               Wireless Networks
--------   Guidelines for the Use of Extensible Markup   70 3470
               Language (XML) within IETF Protocols
--------   TCP Performance Implications of Network Path   69 3449
               Asymmetry
--------   Layer Two Tunneling Protocol (L2TP) Internet   68 3438
               Assigned Numbers Authority (IANA) Considerations
               Update
--------   Change Process for the Session Initiation   67 3427
               Protocol (SIP)
--------   Uniform Resource Names (URN) Namespace   66 3406
               Definition Mechanisms
--------   Dynamic Delegation Discovery System (DDDS) Part   65 3405
               Five: URI.ARPA Assignment Procedures
--------   Session Initiation Protocol for Telephones   63 3372
               (SIP-T): Context and Architectures
--------   Advice to link designers on link Automatic   62 3366
               Repeat reQuest (ARQ)
--------   Strong Security Requirements for Internet   61 3365
               Engineering Task Force Standard Protocols
--------   Inappropriate TCP Resets Considered Harmful   60 3360
--------   A Transient Prefix for Identifying Profiles   59 3349
               under Development by the Working Groups of the
               Internet Engineering Task Force
--------   Defining the IETF   58 3233
--------   IANA Considerations for IPv4 Internet Group   57 3228
               Management Protocol (IGMP)
--------   Guidelines for Evidence Collection and Archiving   55 3227
--------   On the use of HTTP as a Substrate   56 3205
--------   IETF Guidelines for Conduct   54 3184
--------   GLOP Addressing in 233/8   53 3180
--------   Management Guidelines & Operational Requirements   52 3172
               for the Address and Routing Parameter Area
               Domain ("arpa")
--------   IANA Guidelines for IPv4 Multicast Address   51 3171
               Assignments
--------   End-to-end Performance Implications of Links   50 3155
               with Errors
--------   End-to-end Performance Implications of Slow Links   48 3150

RFC 5000   Internet Official Protocol Standards   May 2008

RFC 5000   Internet Official Protocol Standards   May 2008


```
--------   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)
```

```
--------    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
```

ISATAP	Intra-Site Automatic Tunnel Addressing Protocol (ISATAP)	4214*
--------	Hierarchical Mobile IPv6 Mobility Management (HMIPv6)	4140*
--------	Forward RTO-Recovery (F-RTO): An Algorithm for Detecting Spurious Retransmission Timeouts with TCP and the Stream Control Transmission Protocol (SCTP)	4138*
--------	Russian Dolls Bandwidth Constraints Model for Diffserv-aware MPLS Traffic Engineering	4127*
--------	Max Allocation with Reservation Bandwidth Constraints Model for Diffserv-aware MPLS Traffic Engineering & Performance Comparisons	4126*
--------	Maximum Allocation Bandwidth Constraints Model for Diffserv-aware MPLS Traffic Engineering	4125*
--------	Fast Handovers for Mobile IPv6	4068*
--------	Context Transfer Protocol (CXTP)	4067*
--------	Candidate Access Router Discovery (CARD)	4066*
--------	Instructions for Seamoby and Experimental Mobility Protocol IANA Allocations	4065*
--------	BinaryTime: An Alternate Format for Representing Date and Time in ASN.1	4049*
--------	Extensions to Support Efficient Carrying of Multicast Traffic in Layer-2 Tunneling Protocol (L2TP)	4045*
--------	Maximum Transmission Unit Signalling Extensions for the Label Distribution Protocol	3988*
--------	Protocol Independent Multicast - Dense Mode (PIM-DM): Protocol Specification (Revised)	3973*
--------	Real-time Transport Protocol (RTP) Payload Format for internet Low Bit Rate Codec (iLBC) Speech	3952*
--------	Internet Low Bit Rate Codec (iLBC)	3951*
--------	Negative-Acknowledgment (NACK)-Oriented Reliable Multicast (NORM) Building Blocks	3941*
--------	Negative-acknowledgment (NACK)-Oriented Reliable Multicast (NORM) Protocol	3940*
--------	Alternative Decision Making Processes for Consensus-Blocked Decisions in the IETF	3929*
--------	FLUTE - File Delivery over Unidirectional Transport	3926*
DNS-SRV	Remote Service Discovery in the Service Location Protocol (SLP) via DNS SRV	3832
--------	Next Generation Structure of Management Information (SMIng) Mappings to the Simple Network Management Protocol (SNMP)	3781
--------	SMIng - Next Generation Structure of Management Information	3780
--------	Limited Slow-Start for TCP with Large Congestion Windows	3742
--------	Wave and Equation Based Rate Control (WEBRC) Building Block	3738

RFC 5000   Internet Official Protocol Standards   May 2008

--------   Using TCP Duplicate Selective Acknowledgement   3708
               (DSACKs) and Stream Control Transmission Protocol
               (SCTP) Duplicate Transmission Sequence Numbers
               (TSNs) to Detect Spurious Retransmissions
--------   Compact Forward Error Correction (FEC) Schemes   3695
--------   Topology Dissemination Based on Reverse-Path   3684
               Forwarding (TBRPF)
--------   Domain Administrative Data in Lightweight Directory   3663
               Access Protocol (LDAP)
--------   The Mailbox Update (MUPDATE) Distributed Mailbox   3656
               Database Protocol
--------   HighSpeed TCP for Large Congestion Windows   3649
--------   Optimized Link State Routing Protocol (OLSR)   3626
--------   Multicast Source Discovery Protocol (MSDP)   3618
--------   Ad hoc On-Demand Distance Vector (AODV) Routing   3561
--------   Robust Explicit Congestion Notification (ECN)   3540
               Signaling with Nonces
--------   Using Extensible Markup Language-Remote Procedure   3529
               Calling (XML-RPC) in Blocks Extensible Exchange
               Protocol (BEEP)
--------   Mesh-enhanced Service Location Protocol (mSLP)   3528
--------   The Eifel Detection Algorithm for TCP   3522
--------   TCP Congestion Control with Appropriate Byte   3465
               Counting (ABC)
--------   Layered Coding Transport (LCT) Building Block   3451
--------   Asynchronous Layered Coding (ALC) Protocol   3450
               Instantiation
--------   Simple Network Management Protocol Over Transmission   3430
               Control Protocol Transport Mapping
--------   Select and Sort Extensions for the Service Location   3421
               Protocol (SLP)
--------   The Application Exchange (APEX) Presence Service   3343
--------   Dual Stack Hosts Using "Bump-in-the-API" (BIA)   3338
--------   Policy-Based Accounting   3334
--------   PGM Reliable Transport Protocol Specification   3208
--------   Domain Security Services using S/MIME   3183
SMX   Script MIB Extensibility Protocol Version 1.1   3179
--------   ISO/IEC 9798-3 Authentication SASL Mechanism   3163
--------   Electronic Signature Policies   3125
--------   A DNS RR Type for Lists of Address Prefixes (APL RR) 3123
--------   Finding an RSIP Server with SLP   3105
--------   RSIP Support for End-to-end IPsec   3104
--------   Realm Specific IP: Protocol Specification   3103
--------   Realm Specific IP: Framework   3102
--------   OpenLDAP Root Service An experimental LDAP referral   3088
               service
--------   Notification and Subscription for SLP   3082
--------   MPLS Loop Prevention Mechanism   3063

```
--------    Internet X.509 Public Key Infrastructure Data    3029
               Validation and Certification Server Protocols
--------    Unified Memory Space Protocol Specification       3018
SAP         Session Announcement Protocol                     2974
--------    Protocol Independent Multicast MIB for IPv4       2934
MASC        The Multicast Address-Set Claim (MASC) Protocol   2909
--------    Generic AAA Architecture                          2903
--------    DNS Extensions to Support IPv6 Address Aggregation 2874
               and Renumbering
--------    TCP Congestion Window Validation                  2861
TSWTCM      A Time Sliding Window Three Colour Marker (TSWTCM) 2859
--------    OSPF over ATM and Proxy-PAR                        2844
PPP-SDL     PPP over Simple Data Link (SDL) using SONET/SDH with 2823
               ATM-like framing
--------    Diffie-Helman USM Key Management Information Base  2786
               and Textual Convention
--------    An HTTP Extension Framework                       2774
--------    Encryption using KEA and SKIPJACK                 2773
--------    Sampling of the Group Membership in RTP           2762
--------    Definitions of Managed Objects for Service Level  2758
               Agreements Performance Monitoring
HTCP        Hyper Text Caching Protocol (HTCP/0.0)            2756
--------    RTFM: New Attributes for Traffic Flow Measurement 2724
--------    PPP EAP TLS Authentication Protocol               2716
--------    SPKI Certificate Theory                           2693
--------    SPKI Requirements                                 2692
--------    QoS Routing Mechanisms and OSPF Extensions        2676
DNS         Binary Labels in the Domain Name System           2673
--------    The Secure HyperText Transfer Protocol            2660
--------    Security Extensions For HTML                      2659
--------    LDAPv2 Client vs. the Index Mesh                  2657
--------    Registration Procedures for SOIF Template Types   2656
--------    CIP Index Object Format for SOIF Objects          2655
--------    A Tagged Index Object for use in the Common Indexing 2654
               Protocol
--------    An LDAP Control and Schema for Holding Operation  2649
               Signatures
--------    Mapping between LPD and IPP Protocols             2569
IPP-RAT     Rationale for the Structure of the Model and      2568
               Protocol for the Internet Printing Protocol
IPP-DG      Design Goals for an Internet Printing Protocol    2567
DNS-INFO    Detached Domain Name System (DNS) Information      2540
PHOTURIS-E  Photuris: Extended Schemes and Attributes         2523
PHOTURIS-S  Photuris: Session-Key Management Protocol          2522
ICMP-SEC    ICMP Security Failures Messages                   2521
NHRP-MNHCS  NHRP with Mobile NHCs                              2520
--------    URI Resolution Services Necessary for URN Resolution 2483
MARS-SCSP   A Distributed MARS Service Using SCSP             2443
```

RFC 5000   Internet Official Protocol Standards   May 2008


```
--------   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
```

RFC 5000   Internet Official Protocol Standards   May 2008

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

RFC 5000   Internet Official Protocol Standards   May 2008

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.

Editors' Addresses

   RFC Editor
   USC/Information Sciences Institute
   4676 Admiralty Way
   Marina del Rey, CA 90292

   EMail: rfc-editor@rfc-editor.org