

Standards Supported in Cisco IOS and IOS-XE Software

PB2239

Last updated: July 2011

This Product Bulletin lists the major industry standards supported by Cisco IOS® and IOS-XE Software Releases 3.3S, 12.2S, 12.4, 15.1S, and 15.1M/T.

Given the evolving nature of standardization, this document may not reflect specific drafts, revisions of particular standards, or all the standards that are supported in Cisco IOS Software beyond this document's publication date.

Additional Information

- Cisco IOS Software
<http://www.cisco.com/go/ios/>
- IETF RFC Index
http://www.ietf.org/iesg/1rfc_index.txt

Table 1. IETF RFCs supported in Cisco IOS and IOS-XE Software Releases 3.3S, 12.4, 12.2SR, and 15.1:

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|--------------|--|--|--|
| Draft | draft-ietf-grow-diverse-bgp-path-dist-03 | Distribution of diverse BGP paths. | Yes |
| Draft | draft-ietf-idr-rfc4760bis-01 | Multiprotocol Extensions for BGP-4 | Yes |
| Draft | draft-ietf-idr-best-external-04 | BGP best external | Yes |
| Draft | draft-ietf-idr-bgp-multisession-06 | BGP multisession | Yes |
| 6085 | | Address Mapping of IPv6 Multicast Packets on Ethernet | Yes |
| 6037 | draft-rosen-vpn-mcast | Cisco Systems' Solution for Multicast in MPLS/BGP IP VPNs | Yes |
| 5969 | | IPv6 Rapid Deployment on IPv4 Infrastructures (6RD) | Yes |
| 5905 | | NTPv4 | Yes |
| 5846 | | Binding Revocation Support in IP Mobility | Yes |
| 5845 | | GRE Key Option for Proxy Mobile IPv6 | Yes |
| 5844 | | IPv4 Support for Proxy Mobile IPv6 | Yes |
| 5838 | Was draft-ietf-ospf-af-alt | Support of Address Families in OSPFv3 (IPv4 + IPv6) | Yes |
| 5820 | | Extensions to OSPF to Support Mobile Ad Hoc Networking | Yes |
| 5641 | Updates RFC3931, RFC4349, RFC4454, RFC4591, RFC4719 | Layer 2 Tunneling Protocol Version 3 (L2TPv3) Extended Circuit Status Values | Yes |
| 5613 | Obsoletes 4813 | OSPF Link-Local Signaling | Yes |
| 5496 | | The Reverse Path Forwarding (RPF) Vector TLV | Yes |
| 5492 | | Capabilities Advertisement with BGP-4 | Yes |
| 5481 | | One-way delay, one-way jitter, one-way packet loss, Inter Packet Delay Variation | Yes |
| 5444 | MANET <i>Mobile Ad-hoc Networks for OSPFv3</i> - (IETF manet status pages) | Generalized Mobile Ad Hoc Network (MANET) Packet/Message Forma (for OSPFv3) | Yes (T Train only for Government customers through GGSG) |
| 5430 | | DHCPv6 Bulk Leasequery | Partial Support |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|--|--|--|
| 5398 | Informational | Autonomous System (AS) Number Reservation for Documentation Use | Yes |
| 5396 | | Textual Representation of Autonomous System (AS) Numbers | Yes |
| 5357 | | TWAMP | Partial Support |
| 5340 | (Obsoletes RFC2740) | OSPF for IPV6 | Yes |
| 5332 | | MPLS Multicast Encapsulations | Partially Supported |
| 5310 | | IS-IS Generic Cryptographic Authentication | Not supported |
| 5309 | | Point-to-Point Operation over LAN in Link State Routing Protocols | Yes |
| 5308 | | Routing IPv6 with IS-IS | Yes |
| 5307 | | IS-IS Extensions in Support of Generalized Multi-Protocol Label Switching (GMPLS) | Yes |
| 5306 | | Restart Signaling for IS-IS | Yes |
| 5305 | Obsoletes RFC 3784, Updated by RFC 5307 | IS-IS Extensions for Traffic Engineering | Obsoleted or Updated by RFC Cisco IOS Supports |
| 5304 | | IS-IS Cryptographic Authentication | Yes |
| 5303 | Obsoletes RFC 3373 | Three-Way Handshake for IS-IS Point-to-Point Adjacencies | Yes |
| 5302 | Obsoletes RFC 2966 | Domain-Wide Prefix Distribution with Two-Level IS-IS | Yes |
| 5301 | Obsoletes RFC 2763 | Dynamic Hostname Exchange Mechanism for IS-IS | Yes |
| 5292 | | Address-Prefix-Based Outbound Route Filter for BGP-4 | Yes |
| 5291 | | Outbound Route Filtering Capability for BGP-4 | Yes |
| 5286 | | Basic Specification for IP Fast Reroute: Loop-Free Alternates (LFA)-OSFv2 & ISIS | Yes |
| 5213 | | Proxy Mobile IPv6 (PMIPv6) | Yes |
| 5187 | | OSPFv3 Graceful Restart | Yes |
| 5176 | Obsoletes RFC 3576 | Dynamic Authorization Extensions to RADIUS | Partial Support |
| 5130 | | Dynamic Hostname Exchange Mechanism for IS-IS | Yes |
| 5120 | | M-ISIS: Multi Topology (MT) Routing in Intermediate System to Intermediate Systems (IS-ISs) | Yes |
| 5095 | | Deprecation of Type 0 Routing Headers in IPv6 | Yes |
| 5072 | Obsoletes RFC2472 | IP Version 6 over PPP | Yes |
| 5059 | | Bootstrap Router (BSR) Mechanism for Protocol Independent Multicast (PIM) | Yes |
| 5065 | | Autonomous System Confederations for BGP | Yes |
| 5029 | | Definition of an IS-IS Link Attribute Sub-TLV | Yes |
| 5015 | | Bidirectional Protocol Independent Multicast (BIDIR-PIM) | Yes |
| 5004 | | Avoid BGP Best Path Transitions from One External to Another | Yes |
| 4971 | | Intermediate System to Intermediate System (IS-IS) Extensions for Advertising Router Information | Yes |
| 4970 | | Extensions to OSPF for Advertising Optional Router Capabilities | Yes |
| 4928 | | Avoiding Equal Cost Multipath Treatment in MPLS Networks | Yes |
| 4893 | | BGP Support for Four-Octet AS Number Space | Yes |
| 4884 | Partial support | Extended ICMP to Support Multi-Part Messages | Yes |
| 4862 | Obsoletes RFC 2462 | IPv6 Stateless Address Autoconfiguration | Yes |
| 4861 | | Neighbor Discovery for IP version 6 (IPv6) | Yes |
| 4818 | | RADIUS Delegated-IPv6-Prefix Attribute | Yes |
| 4817 | | Encapsulation of MPLS over Layer 2 Tunneling Protocol Version 3 | Yes |
| 4812 | | OSPF Restart Signaling | Yes |
| 4811 | | OSPF Out-of-Band Link State Database (LSDB) Resynchronization | Yes |
| 4798 | | Connecting IPv6 Islands over IPv4 MPLS Using IPv6 Provider Edge Routers (6PE) | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|-----------------------|--|---------------------|
| 4797 | | Use of Provider Edge to Provider Edge (PE-PE) Generic Routing Encapsulation (GRE) or IP in BGP/MPLS IP Virtual Private Networks | Yes |
| 4786 | | Operation of Anycast Services | Yes |
| 4781 | | Graceful Restart Mechanism for BGP with MPLS | Yes |
| 4760 | Obsoletes RFC2858 | Multiprotocol Extensions for BGP-4 | Yes |
| 4750 | Obsoletes RFC1850 | OSPF Version 2 Management Information Base | Yes |
| 4724 | | Graceful Restart Mechanism for BGP | Yes |
| 4684 | | Constrained Route Distribution for Border Gateway Protocol/MultiProtocol Label Switching (BGP/MPLS) Internet Protocol (IP) Virtual Private Networks (VPNs) | Yes |
| 4659 | | BGP-MPLS IP Virtual Private Network (VPN) Extension for IPv6 VPN | Yes |
| 4649 | | Dynamic Host Configuration Protocol for IPv6 (DHCPv6) Relay Agent Remote-ID Option | Yes |
| 4604 | Updates RFC3810 | Using Internet Group Management Protocol Version 3 (IGMPv3) and Multicast Listener Discovery Protocol Version 2 (MLDv2) for Source-Specific Multicast | Yes |
| 4601 | Updates RFC2362 | Protocol Independent Multicast-Sparse Mode (PIM-SM): Protocol Specification (Revised) | Yes |
| 4577 | | OSPF as the Provider/Customer Edge Protocol for BGP/MPLS IP Virtual Private Networks (VPNs) | Yes |
| 4576 | | Using a Link State Advertisement (LSA) Options Bit to Prevent Looping in BGP/MPLS IP Virtual Private Networks (VPNs) | Yes |
| 4561 | | Definition of a Record Route Object (RRO) Node-Id sub-Objects | Yes |
| 4552 | | Authentication/Confidentiality for OSPFv3 | Yes |
| 4461 | | Signaling Requirements for Point to Multipoint Traffic engineered MPLS LSP | Yes |
| 4456 | Obsoletes RFC2796 | BGP Route Reflection: An Alternative to Full Mesh Internal BGP (IBGP) | Yes |
| 4451 | Informational | BGP MULTI_EXIT_DISC (MED) Considerations | Yes |
| 4444 | | Management Information Base for Intermediate System to Intermediate System (IS-IS) | Partial Support |
| 4443 | | Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification | Yes |
| 4383 | Best Current Practice | BGP Communities for Data Collection | Yes |
| 4382 | | MPLS/BGP Layer 3 Virtual Private Network (VPN) Management Information Base | Yes |
| 4381 | Best Current Practice | Analyses of the Security of BGP/MPLS IP VPNs | Yes |
| 4379 | | Detecting Multi-Protocol Label Switched (MPLS) Data Plane Failures | Partially Supported |
| 4378 | | A Framework for Multi-Protocol Label Switching (MPLS) Operations and Management (OAM) | Yes |
| 4377 | | Operations and Management (OAM) Requirements for Multi-Protocol Label Switched (MPLS) Networks | Yes |
| 4368 | | Multiprotocol Label Switching (MPLS) Label-Controlled ATM and Frame-Relay Management Interface Definition | Yes |
| 4364 | Obsoletes RFC2547 | BGP/MPLS IP Virtual Private Networks (VPNs) | Yes |
| 4360 | | BGP Extended Communities Attribute | Yes |
| 4302 | | IP Authentication Header | Yes |
| 4293 | | Management Information Base for the Internet Protocol (IP) | Partially Supported |
| 4292 | | IP Forwarding Table MIB | Partial Support |
| 4291 | | IP Version 6 Addressing Architecture | Yes |
| 4285 | | Authentication Protocol for Mobile IPv6 | Yes |
| 4283 | | Mobile Node Identifier Option for Mobile IPv6 | Yes |
| 4277 | Informational | Experience with the BGP-4 Protocol | Yes |
| 4276 | Informational | BGP-4 Implementation Report | Yes |
| 4275 | Informational | BGP-4 MIB Implementation Survey | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|-------------------|---|---|
| 4274 | Informational | BGP-4 Protocol Analysis | Yes |
| 4273 | Obsoletes RFC1657 | Definitions of Managed Objects for BGP-4 | Partially Supported |
| 4271 | Obsoletes RFC1771 | A Border Gateway Protocol (BGP-4) | Yes |
| 4264 | Informational | BGP Wedgies | Yes |
| 4244 | | An Extension to the Session Initiation Protocol (SIP) for Request History Information | Yes |
| 4242 | | <i>Information Refresh Time Option for Dynamic Host Configuration Protocol for IPv6 (DHCPv6)</i> | |
| 4223 | Informational | Reclassification of RFC 1863 to Historic | Obsoleted or Updated by RFC Cisco IOS Supports |
| 4221 | | Multiprotocol Label Switching (MPLS) Management Overview | Yes |
| 4221 | | Multiprotocol Label Switching (MPLS) Management Overview | Yes |
| 4220 | | Traffic Engineering Link Management Information Base | Partially Supported |
| 4214 | | Intra-Site Automatic Tunnel Addressing Protocol (ISATAP) | Yes |
| 4206 | | LSP Hierarchy with Generalized MPLS TE | Yes |
| 4193 | | Unique Local IPv6 Unicast Addresses | Yes |
| 4191 | | Default Router Preferences and More-Specific Routes | Yes |
| 4182 | Updates RFC 3032 | Removing a Restriction on the use of MPLS Explicit NULL | Yes |
| 4113 | Updates RFC 2013 | Management Information Base for the User Datagram Protocol (UDP) | Yes |
| 4090 | | Fast Reroute Extensions to RSVP-TE for LSP Tunnels | Partially Supported (Detour not supported) |
| 4087 | | Tunnel MIB | Yes |
| 4075 | | Simple Network Time Protocol (SNTP) Configuration Option for DHCPv6 | Yes |
| 4031 | | Service requirements for Layer 3 Provider Provisioned Virtual Private Networks (VPNs) | Yes |
| 4026 | | Provider Provisioned VPN terminology | Yes |
| 4023 | | Encapsulating MPLS in IP or Generic Routing Encapsulation (GRE) | Partially Supported (GRE Only) |
| 4022 | Updates RFC 2012 | Management Information Base for the Transmission Control Protocol (TCP) | Yes |
| 4008 | | Definitions of Managed Objects for Network Address Translators (NAT) | Partial Support |
| 4007 | | IPv6 Scoped Address Architecture | Yes |
| 3993 | | Subscriber-ID Suboption for the Dynamic Host Configuration Protocol (DHCP) Relay Agent Option | Yes |
| 3988 | | Maximum Transmission Unit Signaling Extensions for the Label Distribution Protocol (LDP) | Yes |
| 3985 | | PWE3 (Pseudo-Wire Emulation Edge-to-Edge) Architecture | Yes |
| 3973 | | Protocol Independent Multicast-Dense Mode (PIM-DM): Protocol Specification (Revised) | Yes |
| 3972 | | Cryptographically Generated Addresses (CGA) | Yes |
| 3971 | | SEcure Neighbor Discovery (SEND) | Yes |
| 3963 | | Network Mobility (NEMO) Basic Support Protocol | Yes |
| 3956 | Updates RFC3306 | Embedding the Rendezvous Point (RP) Address in an IPv6 Multicast Address | Yes |
| 3954 | | Cisco Systems NetFlow Services Export Version 9 | Yes |
| 3946 | | Generalized Multi-Protocol Label Switching (GMPLS) Extensions for Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy (SDH) Control | Yes |
| 3945 | | Generalized Multi-Protocol Label Switching (GMPLS) Architecture | Yes |
| 3942 | Updates RFC2132 | Reclassifying Dynamic Host Configuration Protocol version 4 (DHCPv4) Options | Partially Supported |
| 3917 | | Requirements for IP Flow Information Export (IPFIX) | Yes |
| 3916 | | Requirements for Pseudo-Wire Emulation Edge-to-Edge (PWE3) | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|--|---|---|
| 3910 | | The SPIRITS (Services in PSTN requesting Internet Services) Protocol | Yes |
| 3906 | | Calculating Interior Gateway Protocol (IGP) Routes Over Traffic Engineering Tunnels | Yes |
| 3898 | | Network Information Service (NIS) Configuration Options for Dynamic Host Configuration Protocol for IPv6 (DHCPv6) | Yes |
| 3883 | Updates 1793 | Detecting Inactive Neighbors over OSPF Demand Circuits (DC) | Yes |
| 3879 | | Deprecating Site Local Addresses | Yes |
| 3847 | | Restart Signaling for Intermediate System to Intermediate System (IS-IS) | Yes |
| 3826 | | The Advanced Encryption Standard (AES) Cipher Algorithm in the SNMP User-based Security Model | Yes |
| 3815 | | Definitions of Managed Objects for the Multiprotocol Label Switching (MPLS), Label Distribution Protocol (LDP) | Yes |
| 3814 | | Multiprotocol Label Switching (MPLS) Forwarding Equivalence Class To Next Hop Label Forwarding Entry (FEC-To-NHLFE) Management Information Base (MIB) | Yes |
| 3813 | | Multiprotocol Label Switching (MPLS) Label Switching Router (LSR) Management Information Base (MIB) | Yes |
| 3812 | | Multiprotocol Label Switching (MPLS) Traffic Engineering (TE) Management Information Base (MIB) | Yes |
| 3811 | | Definitions of Textual Conventions (TCs) for Multiprotocol Label Switching (MPLS) Management | Yes |
| 3810 | Updates RFC2710 | Multicast Listener Discovery Version 2 (MLDv2) for IPv6 | Yes |
| 3809 | | Generic Requirements for Provider Provisioned Virtual Private Networks (VPNs) | Yes |
| 3787 | | Recommendations for Interoperable IP Networks using Intermediate System to Intermediate System (IS-IS). | Yes |
| 3786 | Obsoleted by RFC 5311 | Extending the Number of Intermediate System to Intermediate System (IS-IS) Link State PDU (LSP) Fragments Beyond the 256 Limit | Obsoleted or Updated by RFC Cisco IOS Supports |
| 3784 | Obsoleted by RFC 5305, Updated by RFC 4205 | IS-IS extensions for Traffic Engineering (TE) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 3784 | | IS-IS extensions for Traffic Engineering (TE) | Yes |
| 3775 | | Mobility Support in IPv6 | Partially Supported (no IPsec authentication, no multicast) |
| 3768 | Obsoletes RFC2338 | Virtual Router Redundancy Protocol (VRRP) | Yes |
| 3758 | | Stream Control Transmission Protocol (SCTP) Partial Reliability Extension | Yes |
| 3756 | | IPv6 Neighbor Discovery (ND) Trust Models and Threats | |
| 3749 | | Transport Layer Security Protocol Compression Methods | Yes |
| 3748 | Obsoletes RFC2284 | Extensible Authentication Protocol (EAP) | Yes. Does not support OTP |
| 3737 | | IANA Guidelines for the Registry of Remote Monitoring (RMON) MIB (Management Information Base) modules | Yes |
| 3736 | | Stateless Dynamic Host Configuration Protocol (DHCP) Service for IPv6 | Yes |
| 3719 | | Recommendations for Interoperable Networks using Intermediate System to Intermediate System (IS-IS) | Yes |
| 3697 | | IPv6 Flow Label Specification | Yes |
| 3670 | | Information Model for Describing Network Device QoS (Quality of Service) Datapath Mechanisms | Yes |
| 3666 | | Session Initiation Protocol (SIP) Public Switched Telephone Network (PSTN) Call Flows | Yes (supports all call flows mentioned with exception that PSTN signaling is ISDN and not ISUP. On SIP leg, call flows are supported) |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|----------------------------|---|---|
| 3646 | | DNS Configuration options for Dynamic Host Configuration Protocol for IPv6 (DHCPv6) | Yes |
| 3644 | | Policy Quality of Service (QoS) Information Model | Yes |
| 3633 | | IPv6 Prefix Options for Dynamic Host Configuration Protocol (DHCP) version 6 | Yes |
| 3630 | Updates RFC2370 | Traffic Engineering (TE) Extensions to OSPF Version 2 | Yes |
| 3623 | | Graceful OSPF Restart | Yes |
| 3612 | | Applicability Statement for Restart Mechanisms for the Label Distribution Protocol (LDP) | Yes |
| 3609 | | Tracing Requirements for Generic Tunnels | Partially Supported |
| 3596 | Obsoletes RFC3152, RFC1886 | DNS Extensions to Support IP Version 6 (IPv6) | Yes |
| 3590 | Updates RFC2710 | Source Address Selection for the Multicast Listener Discovery (MLD) Protocol | Yes |
| 3587 | Obsoletes RFC2374 | IPv6 Global Unicast Address Format | Yes |
| 3584 | Obsoletes RFC2576 | Coexistence between Version 1, Version 2, and Version 3 of the Internet-standard Network Management Framework | Yes |
| 3567 | Obsoleted by RFC 5304 | Intermediate System to Intermediate System (IS-IS) Cryptographic Authentication | Obsoleted or Updated by RFC Cisco IOS Supports |
| 3562 | Informational | Key Management Considerations for the TCP MD5 Signature Option | Yes |
| 3547 | | The Group Domain of Interpretation | |
| 3546 | | Transport Layer Security (TLS) Extensions | Yes |
| 3527 | | Link Selection sub-option for the Relay Agent Information Option for DHCPv4 | Yes |
| 3519 | | Mobile IP Traversal of Network Address Translation (NAT) Devices | Yes |
| 3513 | Obsoletes RFC2373 | Internet Protocol Version 6 (IPv6) Addressing Architecture | Yes |
| 3509 | | Alternative Implementations of OSPF Area Border Routers | Yes |
| 3495 | | Dynamic Host Configuration Protocol (DHCP) Option for CableLabs Client Configuration | Partially Supported (on server via generic option configuration) |
| 3484 | | Default Address Selection for Internet Protocol version 6 (IPv6) | Yes |
| 3478 | | Graceful Restart Mechanism for Label Distribution Protocol (LDP) | Yes |
| 3477 | | Signaling Unnumbered Links in Resource Reservation Protocol—Traffic Engineering (RSVP-TE) | Yes |
| 3473 | Updated by RFC4003 | Generalized Multi-Protocol Label Switching (GMPLS) Signaling Resource Reservation Protocol-Traffic Engineering (RSVP-TE) Extensions | Yes |
| 3471 | | Generalized Multi-Protocol Label Switching (GMPLS) Signaling Functional Description | Yes |
| 3469 | | Framework for MPLS-based Recovery | Yes |
| 3443 | Updates RFC3032 | Time To Live (TTL) Processing in Multi-Protocol Label Switching (MPLS) Networks | Partially Supported |
| 3435 | Updated by RFC3661 | Media Gateway Control Protocol (MGCP) | Yes |
| 3418 | Obsoletes RFC1907 | Management Information Base (MIB) for the Simple Network Management Protocol (SNMP) | Yes |
| 3417 | Obsoletes RFC1906 | Transport Mappings for the Simple Network Management Protocol (SNMP) | Yes |
| 3416 | Obsoletes RFC1905 | Version 2 of the Protocol Operations for the Simple Network Management Protocol (SNMP). | Yes |
| 3414 | | User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3) | Yes |
| 3413 | Obsoletes RFC2573 | Simple Network Management Protocol (SNMP) Applications | Yes |
| 3412 | Obsoletes RFC2572 | Message Processing and Dispatching for the Simple Network Management Protocol (SNMP) | Yes |
| 3411 | Obsoletes RFC2571 | An Architecture for Describing Simple Network Management Protocol (SNMP) Management Frameworks | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|---|---|---|
| 3392 | Obsoletes RFC2236 | Capabilities Advertisement with BGP-4 | Obsoleted or Updated by RFC Cisco IOS Supports |
| 3376 | Obsoletes RFC2236 | Internet Group Management Protocol (IGMP), Version 3 | Yes |
| 3373 | Obsoleted by RFC 5303 | Three-Way Handshake for Intermediate System to Intermediate System (IS-IS) Point-to-Point Adjacencies | Obsoleted or Updated by RFC Cisco IOS Supports |
| 3359 | Informational | Reserved Type, Length and Value (TLV) Codepoints in Intermediate System to Intermediate System | Yes |
| 3358 | | Optional Checksums in Intermediate System to Intermediate System (ISIS) | Yes |
| 3353 | | Framework for IP Multicast in MPLS | Yes |
| 3345 | Informational | Border Gateway Protocol (BGP) Persistent Route Oscillation Condition | Yes |
| 3344 | Obsoletes RFC3220 | IP Mobility Support for IPv4 | Yes |
| 3319 | | Dynamic Host Configuration Protocol (DHCPv6) Options for Session Initiation Protocol (SIP) Servers | Yes |
| 3315 | | Dynamic Host Configuration Protocol for IPv6 (DHCPv6) | Yes |
| 3312 | | Integration of Resource Management and Session Initiation Protocol (SIP) | Yes |
| 3309 | Updates RFC2960 | Stream Control Transmission Protocol (SCTP) Checksum Change | Yes |
| 3306 | Updated by RFC3956 | Unicast-Prefix-based IPv6 Multicast Addresses | Obsoleted or Updated by RFC Cisco IOS Supports |
| 3289 | | Management Information Base for the Differentiated Services Architecture | Yes |
| 3288 | | Using the Simple Object Access Protocol (SOAP) in Blocks Extensible Exchange Protocol (BEEP) | Yes |
| 3277 | | Intermediate System to Intermediate System (IS-IS) Transient Blackhole Avoidance | Yes |
| 3272 | | Overview and Principles of Internet Traffic Engineering (TE) | Yes |
| 3270 | | Multi-Protocol Label Switching (MPLS) Support of Differentiated Services (Diffserv) | Yes |
| 3268 | | Advanced Encryption Standard (AES) Ciphersuites for Transport Layer Security (TLS). | Yes |
| 3261 | Obsoletes RFC2543, Updated by RFC3265, RFC3853 | SIP: Session Initiation Protocol | Yes |
| 3260 | Updates RFC2474, RFC2475, RFC2597 | New Terminology and Clarifications for Diffserv (Differentiated Services) | Yes |
| 3246 | Obsoletes RFC2598 | An Expedited Forwarding (EF) PHB (Per-Hop Behavior) | Yes |
| 3220 | Obsoletes RFC2002, obsoleted by RFC3344 | IP Mobility Support for IPv4 | Yes |
| 3215 | | LDP (Label Distribution Protocol) State Machine | Yes |
| 3210 | | Applicability Statement for Extensions to RSVP (Resource Reservation Protocol) for LSP (Label Switched Path)—Tunnels | Yes |
| 3209 | Updated by RFC3936 | RSVP-TE (Resource Reservation Protocol—Traffic Engineering): Extensions to RSVP for LSP (Label Switched Path) Tunnels | Yes |
| 3180 | Obsoletes RFC2770 | GLOP Addressing in 233/8 | Yes |
| 3168 | Obsoletes RFC2481, updates RFC2474, RFC2401, RFC0793 | The Addition of Explicit Congestion Notification (ECN) to IP | Yes |
| 3162 | | RADIUS and IPv6 | Yes |
| 3152 | Obsoleted by RFC3596, updates RFC2874, RFC2772, RFC2766, RFC2553, RFC1886, also BCP0049 | Delegation of IP6.ARPA (IPv6 Address and Routing Parameters Area) | Yes |
| 3147 | | Generic Routing Encapsulation (GRE) over CLNS Networks | Yes |
| 3115 | Obsoletes RFC3025 | Mobile IP Vendor/Organization-Specific Extensions | Yes |
| 3107 | | Carrying Label Information in BGP-4 | Yes |
| 3101 | Obsoletes RFC1587 | The OSPF Not-So-Stubby Area (NSSA) Option | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|--|--|---|
| 3097 | Updates RFC2747 | RSVP (Resource Reservation Protocol) Cryptographic Authentication—Updated Message Type Value | Yes |
| 3081 | | Mapping the BEEP (Blocks Extensible Exchange Protocol) Core onto TCP | Yes |
| 3080 | | The Blocks Extensible Exchange Protocol (BEEP) Core | Yes |
| 3068 | | An Anycast Prefix for 6to4 Relay Routers | Yes |
| 3065 | Obsoletes RFC1965 | Autonomous System Confederations for BGP | Yes |
| 3057 | Updated by RFC3807 | ISDN Q.921-User Adaptation Layer | Yes |
| 3056 | | Connection of IPv6 Domains via IPv4 Clouds | Yes |
| 3046 | | DHCP Relay Agent Information Option | Yes |
| 3041 | | Privacy Extensions for Stateless Address Autoconfiguration in IPv6 | Yes |
| 3038 | | VCID Notification over ATM link for LDP (Label Distribution Protocol) | Yes |
| 3037 | | LDP (Label Distribution Protocol) Applicability | Yes |
| 3036 | | LDP (Label Distribution Protocol) Specification | Yes |
| 3035 | | MPLS using LDP (Label Distribution Protocol) and ATM VC Switching | Yes |
| 3032 | Updated by RFC3443 | MPLS Label Stack Encoding | Yes |
| 3031 | | Multiprotocol Label Switching (MPLS) Architecture | Yes |
| 3025 | Obsoleted by RFC3115 | Mobile IP Vendor/Organization-Specific Extensions | Yes |
| 3024 | Obsoletes RFC2344 | Reverse Tunneling for Mobile IP, revised | Yes |
| 3022 | Obsoletes RFC163 | Traditional IP Network Address Translator (Traditional NAT) | Yes |
| 3012 | | Mobile IPv4 Challenge/Response Extensions | Yes |
| 2973 | Informational | IS-IS Mesh Groups | Yes |
| 2966 | Obsoleted by RFC 5302 | Domain-wide Prefix Distribution with Two-Level IS-IS | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2961 | | RSVP (Resource Reservation Protocol) Refresh Overhead Reduction Extensions | Yes |
| 2960 | Updated by RFC3309 | Stream Control Transmission Protocol (SCTP) | Yes |
| 2918 | | Route Refresh Capability for BGP-4 | Yes |
| 2915 | Obsoleted by RFC3401, RFC3402, RFC3403, RFC3404 | The Naming Authority Pointer (NAPTR) DNS Resource Record | Yes |
| 2893 | Obsoletes RFC1933 | Transition Mechanisms for IPv6 Hosts and Routers | Yes |
| 2878 | Obsoletes RFC1638, obsoleted by RFC3518 | PPP Bridging Control Protocol (BCP) | Yes |
| 2874 | Updates RFC1886, updated by RFC3152, RFC3226, RFC3363, RFC3364 | DNS Extensions to Support IPv6 Address Aggregation and Renumbering | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2872 | | Application and Sub Application Identity Policy Element for Use with RSVP | Yes |
| 2858 | Obsoletes RFC2283 | Multiprotocol Extensions for BGP-4 | Yes |
| 2842 | Obsoleted by RFC3392 | Capabilities Advertisement with BGP-4 | Yes |
| 2833 | | RTP (Real-Time Protocol) Payload for DTMF Digits, Telephony Tones and Telephony Signals | Yes |
| 2818 | | HTTP Over TLS | Yes |
| 2817 | Updates RFC2616 | Upgrading to TLS Within HTTP/1.1 | Yes |
| 2796 | Updates RFC1966 | BGP Route Reflection—An Alternative to Full Mesh IBGP | Yes |
| 2794 | Updates RFC2290 | Mobile IP Network Access Identifier Extension for IPv4 | Yes |
| 2787 | | Definitions of Managed Objects for the Virtual Router Redundancy Protocol (VRRP) | Yes |
| 2782 | Obsoletes RFC2052 | A DNS RR (DNS Resource Record) for specifying the location of services (DNS SRV) Domain Name System Server | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|---|---|---|
| 2772 | Obsoletes RFC2546, updated by RFC3152 | 6Bone Backbone Routing Guidelines | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2770 | Obsoleted by RFC3180 | GLOP Addressing in 233/8 | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2766 | Updated by RFC3152 | Network Address Translation—Protocol Translation (NAT-PT) | Yes |
| 2765 | | Stateless IP/ICMP Translation Algorithm (SIIT) | Yes |
| 2750 | Updates RFC2205 | RSVP (Resource Reservation Protocol) Extensions for Policy Control | Yes |
| 2749 | | COPS usage for RSVP (Resource Reservation Protocol) | Yes |
| 2747 | Updated by RFC3097 | RSVP (Resource Reservation Protocol) Cryptographic Authentication | Yes |
| 2745 | | RSVP (Resource Reservation Protocol) Diagnostic Messages | Yes |
| 2740 | | OSPF for IPv6 | Yes |
| 2737 | Obsoletes RFC2037 | Entity MIB (Management Information Base) (Version 2) | Yes |
| 2712 | | Addition of Kerberos Cipher Suites to Transport Layer Security (TLS) | Yes |
| 2711 | | IPv6 Router Alert Option | Yes |
| 2710 | Updated by RFC3590, RFC3810 | Multicast Listener Discovery (MLD) for IPv6 | Yes |
| 2705 | Obsoleted by RFC3435, updated by RFC3660 | Media Gateway Control Protocol (MGCP) Version 1.0 | Yes |
| 2702 | | Requirements for Traffic Engineering (TE) Over MPLS | Yes |
| 2698 | | A Two Rate Three Color Marker | Yes |
| 2697 | | A Single Rate Three Color Marker | Yes |
| 2686 | | The Multi-Class Extension to Multi-Link PPP | Yes |
| 2684 | Obsoletes RFC1483 | Multiprotocol Encapsulation over ATM Adaptation Layer 5 | Yes |
| 2665 | Obsoletes RFC2358, obsoleted by RFC3635 | Definitions of Managed Objects for the Ethernet-like Interface Types | Yes |
| 2661 | | Layer Two Tunneling Protocol "L2TP" | Yes |
| 2617 | Obsoletes RFC2069 | HTTP Authentication: Basic and Digest Access Authentication | Yes |
| 2616 | Obsoletes RFC2068, updated by RFC2817 | Hypertext Transfer Protocol—HTTP/1.1 | Yes |
| 2598 | Obsoleted by RFC3246 | An Expedited Forwarding (EF) PHB (Per-Hop Behavior) | Yes |
| 2597 | Updated by RFC3260 | Assured Forwarding PHB (Per-Hop Behavior) Group | Yes |
| 2590 | | Transmission of IPv6 Packets over Frame Relay Networks Specification | Yes |
| 2580 | Obsoletes RFC1904 | Conformance Statements for SMIv2 (Structure of Management Information version 2) | Yes |
| 2575 | Obsoletes RFC2275, obsoleted by RFC3415 | View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP) | Yes |
| 2574 | Obsoletes RFC2274, obsoleted by RFC3414 | User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3). | Yes |
| 2573 | Obsoletes RFC2273, obsoleted by RFC3413 | SNMP Applications | Yes |
| 2572 | Obsoletes RFC2272, obsoleted by RFC3412 | Message Processing and Dispatching for the Simple Network Management Protocol (SNMP) | Yes |
| 2571 | Obsoletes RFC2271, obsoleted by RFC3411 | An Architecture for Describing SNMP Management Frameworks | Yes |
| 2560 | | X.509 Internet Public Key Infrastructure (PKI) Online Certificate Status Protocol—OCSP | Yes |
| 2553 | Obsoletes RFC2133, obsoleted by RFC3493, updated by RFC3152 | Basic Socket Interface Extensions for IPv6 | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2547 | Obsoleted by 4364 | BGP/MPLS VPNs | Yes |
| 2545 | | Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|--|---|---|
| 2543 | Obsoleted by RFC3261, RFC3262, RFC3263, RFC3264, RFC3265 | SIP: Session Initiation Protocol | Yes |
| 2529 | | Transmission of IPv6 over IPv4 Domains without Explicit Tunnels | Yes |
| 2509 | Obsoleted by RFC3544 | IP Header Compression over PPP | Yes |
| 2508 | | Compressing IP/UDP/RTP Headers for Low-Speed Serial Links | Yes |
| 2507 | | IP Header Compression | Yes |
| 2492 | | IPv6 over ATM Networks | Yes |
| 2481 | Obsoleted by RFC3168 | A Proposal to add Explicit Congestion Notification (ECN) to IP | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2475 | Updated by RFC3260 | An Architecture for Differentiated Service | Yes |
| 2474 | Obsoletes RFC1455, RFC1349, Updated by RFC3168, RFC3260 | Definition of the Differentiated Services (Diffserv) Field (DS Field) in the IPv4 and IPv6 Headers | Yes |
| 2473 | | Generic Packet Tunneling in IPv6 Specification | Yes |
| 2472 | Obsoletes RFC2023 | IP Version 6 (IPv6) over PPP | Yes |
| 2467 | Obsoletes RFC2019 | Transmission of IPv6 Packets over FDDI Networks | Yes |
| 2464 | Obsoletes RFC1972 | Transmission of IPv6 Packets over Ethernet Networks | Yes |
| 2463 | Obsoletes RFC1885 | Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification | Yes |
| 2462 | Obsoletes RFC1971 | IPv6 Stateless Address Autoconfiguration | Yes |
| 2461 | Obsoletes RFC1970 | Neighbor Discovery for IP Version 6 (IPv6) | Yes |
| 2460 | | Internet Protocol, Version 6 (IPv6) Specification | Yes |
| 2453 | Obsoletes RFC1723 | RIP Version 2 | Yes |
| 2451 | | The ESP CBC-Mode Cipher Algorithms | Yes |
| 2439 | | BGP Route Flap Damping | Yes |
| 2433 | | Microsoft PPP CHAP (Challenge Handshake Authentication Protocol) Extensions | Yes |
| 2427 | Obsoletes RFC1490, RFC1294 | Multiprotocol Interconnect over Frame Relay | Yes |
| 2410 | | The NULL Encryption Algorithm and Its Use With IPsec | Yes |
| 2409 | | The Internet Key Exchange (IKE) | Yes |
| 2408 | | Internet Security Association and Key Management Protocol (ISAKMP) | Yes |
| 2407 | | The Internet IP Security Domain of Interpretation for ISAKMP | Yes |
| 2406 | Obsoletes RFC1827 | IP Encapsulating Security Payload (ESP) | Yes |
| 2405 | | The ESP DES-CBC Cipher Algorithm With Explicit IV | Yes |
| 2404 | | The Use of HMAC-SHA-1-96 within ESP and AH | Yes |
| 2403 | | The Use of HMAC-MD5-96 within ESP and AH | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2402 | Obsoletes RFC1826 | IP Authentication Header | Yes |
| 2401 | Obsoletes RFC1825, updated by RFC3168 | Security Architecture for the Internet Protocol (IP) | Yes |
| 2393 | Obsoleted by RFC3173 | IP Payload Compression Protocol (IPComp) | Yes |
| 2390 | Obsoletes RFC1293 | Inverse Address Resolution Protocol | Yes |
| 2385 | | Protection of BGP Sessions via the TCP MD5 Signature Option | Yes |
| 2375 | | IPv6 Multicast Address Assignments | Yes |
| 2374 | Obsoletes RFC2073, obsoleted by RFC3587 | An IPv6 Aggregatable Global Unicast Address Format | Yes |
| 2373 | Obsoletes RFC1884, obsoleted by RFC3513 | IP Version 6 (IPv6) Addressing Architecture | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|---|--|---|
| 2370 | Updated by RFC3630, also RFC2328 | The OSPF Opaque LSA Option | Yes |
| 2365 | | Administratively Scoped IP Multicast | Yes |
| 2364 | | PPP over ATM AAL5 (Asynchronous Transfer Mode Adaptive Layer 5) | Yes |
| 2362 | Updated by RFC 4601, obsoletes RFC2117 | Protocol Independent Multicast-Sparse Mode (PIM-SM): Protocol Specification | Yes |
| 2358 | Obsoletes RFC1650, obsoleted by RFC2665 | Definitions of Managed Objects for the Ethernet-like Interface Types | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2344 | Obsoleted by RFC3024 | Reverse Tunneling for Mobile IP | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2341 | | Cisco Layer Two Forwarding (Protocol) "L2F" | Yes |
| 2338 | Obsoleted by RFC3768 | Virtual Router Redundancy Protocol (VRRP) | Yes |
| 2337 | | Intra-LIS (Intra-Logical IP Subnet) IP multicast among routers over ATM using Sparse Mode PIM (Protocol Independent Multicast) | Yes |
| 2332 | | NBMA Next Hop Resolution Protocol (NHRP) | Yes |
| 2328 | Obsoletes RFC2178 | OSPF Version 2 | Yes |
| 2327 | Updated by RFC3266 | SDP: Session Description Protocol | Yes |
| 2326 | | Real Time Streaming Protocol (RTSP) | Yes |
| 2290 | Updates RFC2002, updated by RFC2794 | Mobile-IPv4 Configuration Option for PPP IPCP (Internet Protocol Control Protocol) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2283 | Obsoleted by RFC2858 | Multiprotocol Extensions for BGP-4 | Yes |
| 2281 | | Cisco Hot Standby Router Protocol (HSRP) | Yes |
| 2275 | Obsoletes RFC2265, obsoleted by RFC2575 | View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP) | Yes |
| 2274 | Obsoletes RFC2264, obsoleted by RFC2574 | User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3). | Yes |
| 2273 | Obsoletes RFC2263, obsoleted by RFC2573 | SNMPv3 Applications | Yes |
| 2272 | Obsoletes RFC2262, obsoleted by RFC2572 | Message Processing and Dispatching for the Simple Network Management Protocol (SNMP) | Yes |
| 2271 | Obsoletes RFC2261, obsoleted by RFC2571 | An Architecture for Describing SNMP Management Frameworks | Yes |
| 2270 | Informational | Using a Dedicated AS for Sites Homed to a Single Provider | Yes |
| 2265 | Obsoleted by RFC2275 | View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2264 | Obsoleted by RFC2274 | User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3). | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2263 | Obsoleted by RFC2273 | SNMPv3 Applications | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2262 | Obsoleted by RFC2272 | Message Processing and Dispatching for the Simple Network Management Protocol (SNMP) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2261 | Obsoleted by RFC2271 | An Architecture for Describing SNMP Management Frameworks | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2246 | Updated by RFC3546 | The TLS Protocol Version 1.0 | Yes |
| 2236 | Obsoleted by RFC3376, updates RFC1112 | Internet Group Management Protocol (IGMP), Version 2 | Yes |
| 2225 | Obsoletes RFC1626, RFC1577 | Classical IP and ARP (Address Resolution Protocol) over ATM | Yes |
| 2222 | Updated by RFC2444 | Simple Authentication and Security Layer (SASL) | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|--|--|---|
| 2216 | | Network Element Service Specification Template (RFC 2216) | Yes |
| 2215 | | General Characterization Parameters for Integrated Service Network Elements | Yes |
| 2211 | | Controlled load spec | Yes |
| 2210 | | Use of RSVP (Resource Reservation Protocol) in Integrated Services | Yes |
| 2209 | | RSVP (Resource Reservation Protocol) Message Processing Rules | Yes |
| 2206 | | RSVP (Resource Reservation Protocol) Management Information Base (MIB) using SMIv2 (Structure of Management Information version 2) | Yes |
| 2205 | Updated by RFC2750, RFC3936 | Resource Reservation Protocol (RSVP)—Version 1 Functional Specification | Yes |
| 2178 | Obsoletes RFC1583, obsoleted by RFC2328 | OSPF Version 2 | Yes |
| 2166 | | (Advanced Peer-to-Peer Networking) APPN Implementer's Workshop (AIW) Closed Pages Document Data-Link Switching (DLSw) v2.0 Enhancements | Yes |
| 2136 | Updates RFC1035, updated by RFC3007, RFC4033, RFC4034, RFC4035 | Dynamic Updates in the Domain Name System (DNS UPDATE) | Yes |
| 2131 | Obsoletes RFC1541, updated by RFC3396 | Dynamic Host Configuration Protocol (DHCP) | Yes |
| 2127 | | ISDN Management Information Base (MIB) using SMIv2 (Structure of Management Information version 2) | Yes |
| 2125 | | The PPP Bandwidth Allocation Protocol (BAP) / The PPP Bandwidth Allocation Control Protocol (BACP) | Yes |
| 2118 | | Microsoft Point-to-Point Compression (MPPC) Protocol | Yes |
| 2117 | Obsoleted by RFC2362 | Protocol Independent Multicast-Sparse Mode (PIM-SM): Protocol Specification | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2115 | Obsoletes RFC1315 | Management Information Base (MIB) for Frame Relay DTEs Using SMIv2 (Structure of Management Information version 2) | Yes |
| 2091 | | Triggered Extensions to RIP to Support Demand Circuits | Yes |
| 2080 | | RIPng for IPv6 | Yes |
| 2073 | Obsoleted by RFC2374 | An IPv6 Provider-Based Unicast Address Format | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2069 | Obsoleted by RFC2617 | An Extension to HTTP: Digest Access Authentication | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2068 | Obsoleted by RFC2616 | Hypertext Transfer Protocol—HTTP/1.1 | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2052 | Obsoleted by RFC2782 | A DNS RR (DNS Resource Record) for specifying the location of services Domain Name System Server (DNS SRV) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 2037 | Obsoleted by RFC2737 | Entity MIB (Management Information Base) using SMIv2 (Structure of Management Information version 2) | Yes |
| 2024 | | Definitions of Managed Objects for Data Link Switching using SMIv2 (Structure of Management Information version 2) | Yes |
| 2018 | Obsoletes RFC1072 | TCP Selective Acknowledgement Options | Yes |
| 2013 | Obsoleted by RFC4113 | Management Information Base for the User Datagram Protocol (UDP) | Yes |
| 2012 | Obsoleted by RFC4022, updates RFC1213 | SNMPv2 Management Information Base (MIB) for the Transmission Control Protocol (TCP) using SMIv2 (Structure of Management Information version 2) | Yes |
| 2006 | | The Definitions of Managed Objects for IP Mobility Support using SMIv2 (Structure of Management Information version 2) | Yes |
| 2003 | | IP Encapsulation within IP | Yes |
| 2002 | Obsoleted by RFC3220, updated by RFC2290 | IP Mobility Support | Yes |
| 1998 | Informational | An Application of the BGP Community Attribute in Multi-home Routing | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|---|--|---|
| 1997 | | BGP Communities Attribute | Yes |
| 1994 | Obsoletes RFC1334, updated by RFC2484 | PPP Challenge Handshake Authentication Protocol (CHAP) | Yes |
| 1990 | Obsoletes RFC1717 | The PPP Multilink Protocol (MP) | Yes |
| 1989 | Obsoletes RFC1333 | PPP Link Quality Monitoring | Yes |
| 1982 | Updates RFC1034, RFC1035 | Serial Number Arithmetic | Yes |
| 1981 | | Path MTU (Maximum Transmission Unit) Discovery for IP version 6 (IPv6) | Yes |
| 1974 | | PPP Stac LZS Compression Protocol | Yes |
| 1973 | | PPP in Frame Relay | Yes |
| 1972 | Obsoleted by RFC2464 | A Method for the Transmission of IPv6 Packets over Ethernet Networks | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1971 | Obsoleted by RFC2462 | IPv6 Stateless Address Autoconfiguration | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1970 | Obsoleted by RFC2461 | Neighbor Discovery for IP Version 6 (IPv6) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1967 | | PPP LZS-DCP Compression Protocol (LZS-DCP) | Yes |
| 1966 | Updated by RFC2796 | BGP Route Reflection An alternative to full mesh IBGP | Yes |
| 1965 | Obsoleted by RFC3065 | Autonomous System Confederations for BGP | Yes |
| 1962 | Updated by RFC2153 | The PPP Compression Control Protocol (CCP) | Yes |
| 1933 | Obsoleted by RFC2893 | Transition Mechanisms for IPv6 Hosts and Routers | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1918 | Obsoletes RFC1627, RFC1597 Also BCP0005 | Address Allocation for Private Internets | Yes |
| 1907 | Obsoletes RFC1450, obsoleted by RFC3418 | Management Information Base (MIB) for Version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1906 | Obsoletes RFC1449, obsoleted by RFC3417 | Transport Mappings for Version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1905 | Obsoletes RFC1448, obsoleted by RFC3416 | Protocol Operations for Version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1904 | Obsoletes RFC1444, obsoleted by RFC2580 | Conformance Statements for Version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1889 | Obsoleted by RFC3550 | RTP (Real-Time Protocol): A Transport Protocol for Real-Time Applications. Audio-Video Transport Working Group | Yes |
| 1886 | Obsoleted by RFC3596, updated by RFC2874, RFC3152 | DNS Extensions to support IP version 6 (IPv6) | Yes |
| 1885 | Obsoleted by RFC2463 | Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1884 | Obsoleted by RFC2373 | IP Version 6 (IPv6) Addressing Architecture | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1877 | | PPP Internet Protocol Control Protocol (IPCP) Extensions for Name Server Addresses | Yes |
| 1867 | Obsoleted by RFC2854 | Form-based File Upload in HTML | Yes |
| 1850 | Obsoletes RFC1253 | OSPF Version 2 Management Information Base (MIB) | Yes |
| 1829 | | The ESP (Encapsulating Security Payload) DES-CBC (Data Encryption Standard—Cipher Block Chaining) Transform | Yes |
| 1828 | | IP Authentication using Keyed MD5 | Yes |
| 1827 | Obsoleted by RFC2406 | IP Encapsulating Security Payload (ESP) | Yes |
| 1826 | Obsoleted by RFC2402 | IP Authentication Header | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|--|--|---|
| 1825 | Obsoleted by RFC2401 | Security Architecture for the Internet Protocol (IP) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1812 | | Requirements for IP Version 4 Routers | Yes |
| 1795 | Obsoletes RFC1434 | Data Link Switching: Switch-to-Switch Protocol AIW DLSw RIG (Advanced Peer-to-Peer Networking (APPN) Implementers Workshop Data Link Switching Related Interest Group): DLSw Closed Pages, DLSw Standard Version 1.0 | Yes |
| 1793 | Updated by RFC3883 | Extending OSPF to Support Demand Circuits | Yes |
| 1774 | Informational | BGP-4 Protocol Analysis | Yes |
| 1773 | Informational | Experience with the BGP-4 protocol | Yes |
| 1772 | Obsoletes RFC1655 | Application of the Border Gateway Protocol in the Internet | Yes |
| 1771 | Obsoletes RFC1654 | A Border Gateway Protocol 4 (BGP-4) | Yes |
| 1765 | | OSPF Database Overflow | Yes |
| 1757 | Obsoletes RFC1271, obsoleted by RFC2819 | Remote Network Monitoring Management Information Base (MIB) | Yes |
| 1755 | | ATM Signaling Support for IP over ATM | Yes |
| 1745 | | BGP4/IDRP for IP---OSPF Interaction | Yes |
| 1724 | Obsoletes RFC1389 | RIP Version 2 MIB (Management Information Base) Extension | Yes |
| 1723 | Obsoletes RFC1388, obsoleted by RFC2453, updates RFC1058 | RIP Version 2—Carrying Additional Information | Yes |
| 1722 | | RIP Version 2 Protocol Applicability Statement | Yes |
| 1717 | Obsoleted by RFC1990 | The PPP Multilink Protocol (MP) | Yes |
| 1706 | Obsoletes RFC1637 | DNS NSAP (Network Service Access Point) Resource Records | Yes |
| 1702 | | Generic Routing Encapsulation (GRE) over IPv4 networks | Yes |
| 1701 | | Generic Routing Encapsulation (GRE) | Yes |
| 1695 | Obsoleted by RFC2515 | Definitions of Managed Objects for ATM Management Version 8.0 using SMIv2 (Structure of Management Information version 2) | Yes |
| 1663 | | PPP Reliable Transmission | Yes |
| 1662 | Obsoletes RFC1549 | PPP in HDLC-like Framing | Yes |
| 1661 | Obsoletes RFC1548, updated by RFC2153 | The Point-to-Point Protocol (PPP) | Yes |
| 1659 | Obsoletes RFC1317 | Definitions of Managed Objects for RS-232-like Hardware Devices using SMIv2 (Structure of Management Information version 2) | Yes |
| 1657 | | Definitions of Managed Objects for the Fourth Version of the Border Gateway Protocol (BGP-4) using SMIv2 (Structure of Management Information version 2) | Yes |
| 1656 | Obsoleted by RFC 1773 | BGP-4 Protocol Document Roadmap and Implementation Experience | Obsoleted by RFC 4271 |
| 1655 | Obsoleted by RFC 1772 | Application of the Border Gateway Protocol in the Internet | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1654 | Obsoleted by RFC1771 | A Border Gateway Protocol 4 (BGP-4) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1650 | Obsoleted by RFC2358 | Definitions of Managed Objects for the Ethernet-like Interface Types using SMIv2 (Structure of Management Information version 2) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1647 | Obsoleted by RFC2355 | TN3270 Enhancements | Yes |
| 1646 | | TN3270 Extensions for LUsername and Printer Selection | Yes |
| 1638 | Obsoletes RFC1220, obsoleted by RFC2878 | PPP Bridging Control Protocol (BCP) | Yes |
| 1637 | Obsoletes RFC1348, obsoleted by RFC1706 | DNS NSAP (Network Service Access Point) Resource Records | Obsoleted or Updated by RFC Cisco IOS Supports |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|--|---|---|
| 1634 | Obsoletes RFC1551, RFC1362 | Novell IPX Over Various WAN Media (IPXWAN) | Yes |
| 1631 | Obsoleted by RFC3022 | The IP Network Address Translator (NAT) | Yes |
| 1627 | Obsoleted by RFC1918 | Network 10 Considered Harmful (Some Practices Shouldn't be Codified) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1626 | Obsoleted by RFC2225 | Default IP MTU (Maximum Transmission Unit) for use over ATM AAL5 (Asynchronous Transfer Mode Adaptive Layer 5) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1619 | Obsoleted by RFC2615 | PPP over SONET/SDH (Synchronous Optical Network/Synchronous Digital Hierarchy) | Yes |
| 1618 | | PPP over ISDN | Yes |
| 1613 | | Cisco Systems X.25 over TCP (XOT) | Yes |
| 1597 | Obsoleted by RFC1918 | Address Allocation for Private Internets | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1595 | Obsoleted by RFC2558 | Definitions of Managed Objects for the SONET/SDH (Synchronous Optical Network/Synchronous Digital Hierarchy) Interface Type | Yes |
| 1593 | | SNA APPN (Systems Network Architecture Advanced Peer-to-Peer Networking) Node MIB (Management Information Base) | Yes |
| 1587 | Obsoleted by RFC3101 | The OSPF NSSA (Not-So-Stubby Area) Option | Yes |
| 1583 | Obsoletes RFC1247, obsoleted by RFC2178 | OSPF Version 2 | Yes |
| 1577 | Obsoleted by RFC2225 | Classical IP and ARP (Address Resolution Protocol) over ATM | Yes |
| 1576 | | TN3270 Current Practices | Yes |
| 1573 | | Evolution of the Interfaces Group of MIB-II (Management Information Base-II) | Yes |
| 1570 | Updates RFC1548, updated by RFC2484 | PPP LCP (Point-to-Point Protocol Link Control Protocol) Extensions | Yes |
| 1559 | Obsoletes RFC1289 | DECnet Phase IV MIB (Management Information Base) Extensions | Yes |
| 1553 | | Compressing IPX Headers Over WAN Media (CIPX) | Yes |
| 1552 | | The PPP Internetworking Packet Exchange Control Protocol (IPXCP) | Yes |
| 1551 | Obsoleted by RFC1634 | Novell IPX Over Various WAN Media (IPXWAN) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1549 | Obsoleted by RFC1662 | PPP in HDLC Framing | Yes |
| 1548 | Obsoletes RFC1331, obsoleted by RFC1661 Updated by RFC1570 | The Point-to-Point Protocol (PPP) | Yes |
| 1542 | Obsoletes RFC1532, updates RFC0951 | Clarifications and Extensions for the Bootstrap Protocol | Yes |
| 1541 | Obsoletes RFC1531, obsoleted by RFC2131 | Dynamic Host Configuration Protocol (DHCP) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1534 | | Interoperation Between DHCP and BOOTP (Bootstrap Protocol) | Yes |
| 1532 | Obsoleted by RFC1542, updates RFC0951 | Clarifications and Extensions for the Bootstrap Protocol | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1519 | Obsoletes RFC1338 | Classless Inter-Domain Routing (CIDR): an Address Assignment and Aggregation Strategy | Yes |
| 1512 | Updates RFC1285 | FDDI Management Information Base (MIB) | Yes |
| 1510 | | The Kerberos Network Authentication Service (V5) | Yes |
| 1497 | Obsoletes RFC1395, RFC1084, RFC1048, obsoleted by RFC1533, updates RFC0951 | BOOTP (Bootstrap Protocol) Vendor Information Extensions | Yes |
| 1493 | Obsoletes RFC1286 | Definitions of Managed Objects for Bridges | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|---|--|---|
| 1492 | | An Access Control Protocol, Sometimes Called TACACS | Yes |
| 1490 | Obsoletes RFC1294, obsolete by RFC2427 | Multiprotocol Interconnect over Frame Relay | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1469 | | IP Multicast over Token-Ring Local Area Networks | Yes |
| 1455 | Obsoleted by RFC2474 | Physical Link Security Type of Service (TOS) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1450 | Obsoleted by RFC1907 | Management Information Base (MIB) for version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1449 | Obsoleted by RFC1906 | Transport Mappings for version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1448 | Obsoleted by RFC1905 | Protocol Operations for version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1447 | | Party MIB (Management Information Base) for version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1445 | | Administrative Model for Version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1444 | Obsoleted by RFC1904 | Conformance Statements for version 2 of the Simple Network Management Protocol (SNMPv2) | Yes |
| 1434 | Obsoleted by RFC1795 | Data Link Switching: Switch-to-Switch Protocol | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1413 | Obsoletes RFC0931 | Identification Protocol | Yes |
| 1407 | Obsoletes RFC1233, obsolete by RFC2496 | Definitions of Managed Objects for the DS3/E3 Interface Type | Yes |
| 1406 | Obsoletes RFC1232, obsolete by RFC2495 | Definitions of Managed Objects for the DS1 and E1 Interface Types | Yes |
| 1403 | Obsoletes RFC1364 | BGP OSPF Interaction | Yes |
| 1398 | Obsoletes RFC1284, obsolete by RFC1623 | Definitions of Managed Objects for the Ethernet-Like Interface Types | Yes |
| 1397 | Historic | Default Route Advertisement In BGP2 and BGP3 Version of The Border Gateway Protocol | No |
| 1395 | Obsoletes RFC1084, RFC1048, obsolete by RFC1497, RFC1533, updates RFC0951 | BOOTP (Bootstrap Protocol) Vendor Information Extensions | Yes |
| 1393 | | Traceroute Using an IP Option | Yes |
| 1390 | | Transmission of IP and ARP (Address Resolution Protocol) over FDDI Networks | Yes |
| 1389 | Obsoleted by RFC1724 | RIP Version 2 MIB (Management Information Base) Extensions | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1388 | Obsoleted by RFC1723, updates RFC1058 | RIP Version 2 Carrying Additional Information | Yes |
| 1382 | | SNMP MIB (Management Information Base) Extension for the X.25 Packet Layer | Yes |
| 1381 | | SNMP MIB (Management Information Base) Extension for X.25 LAPB (Link Access Protocol Balanced) | Yes |
| 1378 | | The PPP AppleTalk Control Protocol (ATCP) | Partial |
| 1377 | | The PPP OSI Network Layer Control Protocol (OSINLCP) | Yes |
| 1376 | Obsoleted by RFC1762 | The PPP DECnet Phase IV Control Protocol (DNCP) | Yes |
| 1372 | Obsoletes RFC1080 | Telnet Remote Flow Control Option | Partial—Implemented with the exception of “restart-any” and “restart-xon” sub-options |
| 1370 | | Applicability Statement for OSPF | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|---|--|---|
| 1364 | Obsoleted by RFC1403 | BGP OSPF Interaction | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1362 | Obsoleted by RFC1634 | Novell IPX over Various WAN Media (IPXWAN) | Yes |
| 1356 | Obsoletes RFC0877 | Multiprotocol Interconnect on X.25 and ISDN in the Packet Mode | Yes |
| 1350 | Obsoletes RFC0783, updated by RFC1782, RFC1783, RFC1784, RFC1785, RFC2347, RFC2348, RFC2349 | The TFTP (Trivial File Transfer Protocol) Protocol (Revision 2) | Yes |
| 1349 | Obsoleted by RFC2474, updates RFC1248, RFC1247, RFC1195, RFC1123, RFC1122, RFC1060, RFC0791 | Type of Service (TOS) in the Internet Protocol (IP) Suite | Yes |
| 1338 | Obsoleted by RFC1519 | Supernetting: an Address Assignment and Aggregation Strategy | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1334 | Obsoleted by RFC1994 | PPP Authentication Protocols | Yes |
| 1333 | Obsoleted by RFC1989 | PPP Link Quality Monitoring | Yes |
| 1332 | Obsoletes RFC1172, updated by RFC3241 | The PPP Internet Protocol Control Protocol (IPCP) | Yes |
| 1331 | Obsoletes RFC1171, RFC1172, obsoleted by RFC1548 | The Point-to-Point Protocol (PPP) for the Transmission of Multi-protocol Datagrams over Point-to-Point Links | Yes |
| 1323 | Obsoletes RFC1072, RFC1185 | TCP Extensions for High Performance | Yes |
| 1321 | | The MD5 Message-Digest Algorithm | Yes |
| 1317 | Obsoleted by RFC1659 | Definitions of Managed Objects for RS-232-like Hardware Devices | Yes |
| 1315 | Obsoleted by RFC2115 | Management Information Base (MIB) for Frame Relay DTEs | Yes |
| 1305 | Obsoletes RFC0958, RFC1059, RFC1119 | Network Time Protocol (Version 3) Specification, Implementation | Yes |
| 1294 | Obsoleted by RFC1490, RFC2427 | Multiprotocol Interconnect over Frame Relay | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1293 | Obsoleted by RFC2390 | Inverse Address Resolution Protocol | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1289 | Obsoleted by RFC1559 | DECnet Phase IV MIB (Management Information Base) Extensions | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1286 | Obsoleted by RFC1493, RFC1525 | Definitions of Managed Objects for Bridges | Yes |
| 1285 | Updated by RFC1512 | FDDI Management Information Base (MIB) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1284 | Obsoleted by RFC1398 | Definitions of Managed Objects for the Ethernet-like Interface Types | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1271 | Obsoleted by RFC1757, updated by RFC1513 | Remote Network Monitoring Management Information Base (MIB) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1269 | Obsoleted by RFC4273 | Definitions of Managed Objects for the Border Gateway Protocol: Version 3 | No (historical) |
| 1268 | Obsoletes RFC1164, obsoleted by RFC1655 | Application of the Border Gateway Protocol in the Internet | Yes |
| 1267 | Obsoletes RFC1163) historic | Border Gateway Protocol 3 (BGP-3) | No |
| 1266 | Informational | Experience with the BGP Protocol | Yes |
| 1265 | Informational | BGP Protocol Analysis | Yes |
| 1256 | | ICMP Router Discovery Messages | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|---|--|---|
| 1253 | Obsoletes RFC1252, obsoleted by RFC1850, Also RFC1247, RFC1245, RFC1246 | OSPF Version 2 Management Information Base (MIB) | Yes |
| 1252 | Obsoletes RFC1248, obsoleted by RFC1253 | OSPF Version 2 Management Information Base (MIB) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1248 | Obsoleted by RFC1252, updated by RFC1349 | OSPF Version 2 Management Information Base (MIB) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1247 | Obsoletes RFC1131, obsoleted by RFC1583, updated by RFC1349 | OSPF Version 2 | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1243 | Obsoleted by RFC1742 | AppleTalk Management Information Base (MIB) | Yes |
| 1236 | | IP to X.121 address mapping for DDN | Yes |
| 1234 | | Tunneling IPX traffic through IP networks | Yes |
| 1233 | Obsoleted by RFC1407, updated by RFC1239 | Definitions of managed objects for the DS3 Interface type | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1232 | Obsoleted by RFC1406, updated by RFC1239 | Definitions of managed objects for the DS1 Interface type | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1231 | Obsoleted by RFC1743, RFC1748, updated by RFC1239 | IEEE 802.5 Token Ring MIB (Management Information Base) | Partial |
| 1220 | Obsoleted by RFC1638 | Point-to-Point Protocol (PPP) extensions for bridging | Yes |
| 1215 | | Convention for defining traps for use with the SNMP | Yes |
| 1213 | Obsoletes RFC1158, updated by RFC2011, RFC2012, RFC2013 | Management Information Base (MIB) for Network Management of TCP/IP-based internets: MIB-II | Yes |
| 1212 | | Concise MIB (Management Information Base) definitions | Yes |
| 1209 | | Transmission of IP datagrams over the SMDS (Switched Multimegabit Data Service) Service | Yes |
| 1196 | Obsoletes RFC1194, RFC0742, obsoleted by RFC1288 | Finger User Information Protocol | Yes |
| 1195 | Updated by RFC1349 | Use of OSI IS-IS for routing in TCP/IP and dual environments | Yes |
| 1194 | Obsoletes RFC0742, obsoleted by RFC1196, RFC1288) | Finger User Information Protocol | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1191 | Obsoletes RFC1063 | Path MTU (Maximum Transmission Unit) discovery | Yes |
| 1185 | Obsoleted by RFC1323 | TCP Extension for High-Speed Paths | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1172 | Obsoleted by RFC1331, RFC1332 | Point-to-Point Protocol (PPP) initial configuration options | Yes |
| 1171 | Obsoletes RFC1134, obsoleted by RFC1331 | Point-to-Point Protocol (PPP) for the transmission of multi-protocol datagrams over Point-to-Point links | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1164 | Obsoleted by RFC1268 | Application of the Border Gateway Protocol in the Internet | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1163 | Obsoleted by RFC1267 | Border Gateway Protocol (BGP) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1158 | Obsoleted by RFC1213 | Management Information Base (MIB) for network management of TCP/IP-based internets: MIB-II | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1157 | Obsoletes RFC1098 | Simple Network Management Protocol (SNMP) | Yes |
| 1155 | Obsoletes RFC1065 | Structure and Identification of Management Information for TCP/IP-based Internets | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|---|---|---|
| 1144 | | Compressing TCP/IP headers for low-speed serial links | Yes |
| 1141 | Updates RFC1071, updated by RFC1624 | Incremental updating of the Internet checksum | Yes |
| 1139 | Obsoleted by RFC1574, RFC1575 | Echo function for ISO 8473 | Yes |
| 1136 | | Administrative Domains and Routing Domains: A model for routing in the Internet | Yes |
| 1123 | Updates RFC0822, updated by RFC1349, RFC2181 | Requirements for Internet Hosts—Application and Support | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1122 | Updated by RFC1349 | Requirements for Internet Hosts—Communication Layers | Yes |
| 1119 | Obsoletes RFC0958, RFC1059, obsoleted by RFC1305 | Network Time Protocol (version 2) specification and implementation | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1112 | Obsoletes RFC0988, RFC1054, updated by RFC2236 | Host extensions for IP multicasting | Yes |
| 1108 | Obsoletes RFC1038 | U.S. Department of Defense (DoD) Security Options for the Internet Protocol (IP) | Yes |
| 1105 | Obsoleted by RFC1163 | Border Gateway Protocol (BGP) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1101 | Updates RFC1034, RFC1035 | DNS encoding of network names and other types | Yes |
| 1098 | Obsoletes RFC1067, obsoleted by RFC1157 | Simple Network Management Protocol (SNMP) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1091 | Obsoletes RFC0930 | Telnet terminal-type option | Yes |
| 1084 | Obsoletes RFC1048, obsoleted by RFC1395, RFC1497, RFC1533 | BOOTP (Bootstrap Protocol) vendor information extensions | Yes |
| 1080 | Obsoleted by RFC1372 | Telnet remote flow control option | Yes |
| 1079 | | Telnet terminal speed option | Yes |
| 1075 | | Distance Vector Multicast Routing Protocol (DVMRP) | Yes |
| 1072 | Obsoleted by RFC1323, RFC2018 | TCP extensions for long-delay paths | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1071 | Updated by RFC1141 | Computing the Internet checksum | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1070 | | Use of the Internet as a subnetwork for experimentation with the OSI network layer | Yes |
| 1069 | Obsoletes RFC0986 | Guidelines for the use of Internet-IP addresses in the ISO Connectionless-Mode Network Protocol | Yes |
| 1063 | Obsoleted by RFC1191 | IP MTU (Maximum Transmission Unit) discovery options | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1060 | Obsoletes RFC1010, obsoleted by RFC1340, updated by RFC1349 | Assigned numbers | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1059 | Obsoletes RFC0958, obsoleted by RFC1119, RFC1305 | Network Time Protocol (version 1) specification and implementation | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1058 | Updated by RFC1388, RFC1723 | Routing Information Protocol (RIP) | Yes |
| 1055 | | Nonstandard for transmission of IP datagrams over serial lines: SLIP | Yes |
| 1054 | Obsoletes RFC0988, obsoleted by RFC1112 | Host extensions for IP multicasting | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1048 | Obsoleted by RFC1084, RFC1395, RFC1497, RFC1533 | BOOTP (Bootstrap Protocol) vendor information extensions | Obsoleted or Updated by RFC Cisco IOS Supports |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|------|---|---|---|
| 1042 | Obsoletes RFC0948 | Standard for the transmission of IP datagrams over IEEE 802 networks | Yes |
| 1038 | Obsoleted by RFC1108 | Draft revised IP security option | Obsoleted or Updated by RFC Cisco IOS Supports |
| 1035 | Obsoletes RFC0973, RFC0882, RFC0883, updated by RFC1101, RFC1183, RFC1348, RFC1876, RFC1982, RFC1995, RFC1996, RFC2065, RFC2136, RFC2181, RFC2137, RFC2308, RFC2535, RFC2845, RFC3425, RFC3658, RFC4033, RFC4034, RFC4035 | Domain names—implementation and specification | Yes |
| 1034 | Obsoletes RFC0973, RFC0882, RFC0883, updated by RFC1101, RFC1183, RFC1348, RFC1876, RFC1982, RFC2065, RFC2181, RFC2308, RFC2535, RFC4033, RFC4034, RFC4035 | Domain names—concepts and facilities | Yes |
| 1027 | | Using ARP (Address Resolution Protocol) to implement transparent subnet gateways | Yes |
| 995 | | End System to Intermediate System Routing Exchange Protocol for use in conjunction with ISO 8473. International Organization for Standardization | Yes |
| 994 | Obsoletes RFC0926 | Final text of DIS 8473, Protocol for Providing the Connectionless-mode Network Service. International Organization for Standardization | Yes |
| 988 | Obsoletes RFC0966, obsoleted by RFC1054, RFC1112 | Host extensions for IP multicasting | Obsoleted or Updated by RFC Cisco IOS Supports |
| 986 | Obsoleted by RFC1069 | Guidelines for the use of Internet-IP addresses in the ISO Connectionless-Mode Network Protocol | Obsoleted or Updated by RFC Cisco IOS Supports |
| 982 | | Guidelines for the specification of the structure of the Domain Specific Part (DSP) of the ISO standard NSAP (Network Service Access Point) address | Yes |
| 974 | Obsoleted by RFC2821 | Mail routing and the domain system | Yes |
| 973 | Obsoleted by RFC1034, RFC1035, updates RFC0882, RFC0883 | Domain system changes and observations | Obsoleted or Updated by RFC Cisco IOS Supports |
| 958 | Obsoleted by RFC1059, RFC1119, RFC1305 | Network Time Protocol (NTP) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 951 | Updated by RFC1395, RFC1497, RFC1532, RFC1542 | Bootstrap Protocol (BootP) | Yes |
| 950 | Updates RFC0792 | Internet Standard Subnetting Procedure | Yes |
| 948 | Obsoleted by RFC1042 | Two methods for the transmission of IP datagrams over IEEE 802.3 networks | Obsoleted or Updated by RFC Cisco IOS Supports |
| 931 | Obsoletes RFC0912, obsoleted by RFC1413 | Authentication server | Obsoleted or Updated by RFC Cisco IOS Supports |
| 930 | Obsoletes RFC0884, obsoleted by RFC1091 | Telnet terminal type option | Obsoleted or Updated by RFC Cisco IOS Supports |
| 926 | Obsoleted by RFC0994 | Protocol for providing the connectionless mode network services | Obsoleted or Updated by RFC Cisco IOS Supports |
| 925 | | Multi-LAN Address Resolution (PROXY ARP) | Yes |
| 922 | | Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD) | Yes |
| 919 | | Broadcasting Internet Datagrams | Yes |

| RFC | RFC Remarks | RFC Title | Cisco Supports? |
|-----|---|---|---|
| 906 | | Bootstrap loading using TFTP (Trivial File Transfer Protocol) | Yes |
| 904 | Updates RFC0827, RFC0888 | Exterior Gateway Protocol (EGP) Formal Specification | Yes |
| 903 | | Reverse Address Resolution Protocol (RARP) | Yes |
| 896 | | Congestion control in IP/TCP internetworks | Yes |
| 895 | | Standard for the transmission of IP datagrams over experimental Ethernet networks | Yes |
| 894 | | Standard for the transmission of IP datagrams over Ethernet networks | Yes |
| 891 | | DCN local-network protocols | Yes |
| 888 | Updated by RFC0904 | "STUB" Exterior Gateway Protocol | Obsoleted or Updated by RFC Cisco IOS Supports |
| 883 | Obsoleted by RFC1034, RFC1035, updated by RFC0973 | Domain names: Implementation specification | Obsoleted or Updated by RFC Cisco IOS Supports |
| 882 | Obsoleted by RFC1034, RFC1035, updated by RFC0973 | Domain names: Concepts and facilities | Obsoleted or Updated by RFC Cisco IOS Supports |
| 879 | | TCP maximum segment size and related topics | Yes |
| 877 | Obsoleted by RFC1356 | Standard for the transmission of IP datagrams over public data networks | Yes |
| 874 | | Critique of X.25 | Yes |
| 863 | | Discard Service (TCP Discard) | Yes |
| 862 | | Echo Service (TCP Echo) | Yes |
| 860 | | Telnet Timing Mark Option | Yes |
| 858 | | Telnet Suppress Go Ahead Option | Yes |
| 857 | | Telnet Echo Option | Yes |
| 856 | | Telnet Binary Transmission | Yes |
| 855 | | Telnet Option Specifications | Yes |
| 854 | Obsoletes RFC0764 | Telnet Protocol Specification | Yes |
| 827 | Updated by RFC0904 | Exterior Gateway Protocol (EGP) | Yes |
| 826 | | Ethernet Address Resolution Protocol: Or converting network protocol addresses to 48.bit Ethernet address for transmission on Ethernet hardware | Yes |
| 815 | | IP datagram reassembly algorithms | Yes |
| 813 | | Window and Acknowledgement Strategy in TCP | Yes |
| 793 | Updated by RFC3168 | Transmission Control Protocol (TCP) | Yes |
| 792 | Obsoletes RFC0777, updated by RFC0950 | Internet Control Message Protocol (ICMP) | Yes |
| 791 | Obsoletes RFC0760, updated by RFC1349 | Internetwork Protocol (IP) | Yes |
| 783 | Obsoleted by RFC1350 | TFTP (Trivial File Transfer Protocol) Protocol (revision 2) | Yes |
| 779 | | Telnet send-location option | Yes |
| 777 | Obsoleted by RFC0792 | Internet Control Message Protocol | Obsoleted or Updated by RFC Cisco IOS Supports |
| 768 | | User Datagram Protocol (UDP) | Yes |
| 764 | Obsoleted by RFC0854 | Telnet Protocol specification | Obsoleted or Updated by RFC Cisco IOS Supports |
| 760 | Obsoleted by RFC0791, updated by RFC0777 | Department of Defense (DoD) standard Internet Protocol (IP) | Obsoleted or Updated by RFC Cisco IOS Supports |
| 742 | Obsoleted by RFC1288, RFC1196, RFC1194 | NAME/FINGER Protocol | Obsoleted or Updated by RFC Cisco IOS Supports |

The full text for each RFC may be obtained at: <http://www.rfc-editor.org/>

Institute of Electrical and Electronics Engineers (IEEE) Standards

Table 2. IEEE standards supported in Cisco IOS Software Releases

| IEEE Standard | Working Group |
|---------------|----------------------------------|
| 802.1 | LAN/MAN Bridging and Management |
| 802.1Q | Virtual LANs |
| 802.3 | CSMA/CD (Ethernet) |
| 802.5 | LAN/MAN Token-Ring Access Method |

The full text for each IEEE standard may be obtained at: <http://www.ieee.com>

Asynchronous Transfer Mode (ATM) Forum Standards

Table 3. ATM Forum standards supported in Cisco IOS Software Releases

| Technical Working Group | Approved Specifications | Specification | Approved Date |
|--|--|------------------|-------------------------------------|
| Physical Layer | Issued as part of UNI 3.1: 44.736 DS3 Mbps Physical Layer 100 Mbps Multimode Fiber Interface Physical Layer 155.52 Mbps SONET STS-3c Physical Layer 155.52 Mbps Physical Layer | af-uni-0010.002 | Currently Available to Members Only |
| AIC/ATM-IP Collaboration (formerly LanE) | Multi-Protocol Over ATM Specification v1.0 | af-mpoa-0087.000 | July, 1997 |
| ILMI (Integrated Local Mgmt. Interface) | ILMI 4.0 | af-ilmi-0065.000 | Sep, 1996 |
| P-NNI | Private Network-Network Interface Specification V. 1.0 | af-pnni-0055.000 | Mar, 1996 |
| AIC/ATM-IP Collaboration (formerly LanE) | LAN Emulation over ATM 1.0 | af-lane-0021.000 | Jan, 1995 |

The full text for each ATM Forum standard may be obtained at: <http://www.atmforum.com>

Frame Relay Forum Standards

Table 4. Frame Relay Forum standards supported in Cisco IOS Software Releases

| FRF Number | Title | Date |
|------------|---|-----------------------------------|
| FRF.1.2 | PVC User-to-Network Interface (UNI) Implementation Agreement | July-00 |
| FRF.2.2 | Frame Relay Network-to-Network Interface (NNI) Implementation Agreement | Mar-02 |
| FRF.3.2 | Frame Relay Multiprotocol Encapsulation Implementation Agreement | April-00 |
| FRF.4.1 | SVC User-to-Network Interface (UNI) Implementation Agreement | January-00 |
| FRF.5 | Frame Relay/ATM PVC Network Interworking Implementation | December-94 |
| FRF.8.2 | Frame Relay / ATM PVC Service Interworking Implementation Agreement | February-04 |
| FRF.9 | Data Compression Over Frame Relay Implementation Agreement | January-96 |
| FRF.11.1 | Voice over Frame Relay Implementation Agreement | May 1997—Annex J added March 1999 |
| FRF.12 | Frame Relay Fragmentation Implementation Agreement | Dec-97 |
| FRF.16.1 | Multilink Frame Relay UNI/NNI Implementation Agreement | May-02 |

The full text for each Frame Relay Forum standard may be obtained at: <http://www.frforum.com>

International Telecommunication Union (ITU) Standards

Table 5. ITU standards supported in Cisco IOS Software Releases

| ITU Standard | Year | Notes |
|---|------|--|
| X.3 | 1984 | Mandatory elements and many optional elements |
| X.25 | 1984 | See NET2 and GOSIP certifications |
| X.28 | 1993 | |
| X.29 | 1984 | |
| X.31—X.25 on ISDN | | |
| X.121 | | Addressing scheme |
| H.323 | | Packet-based multimedia communications systems |
| T.37 | | Procedures for the transfer of facsimile data via store-and-forward on the Internet |
| T.38 | | Procedures for real-time Group 3 facsimile communication over IP networks |
| T.38 | | Procedures for real-time Group 3 facsimile communication over IP networks, Amendment 1 |
| Revised Annex B of Recommendation T.38 | | |
| Voice CODEC g711alaw | | G.711 A Law 64000 bps |
| Voice CODEC g711ulaw | | G.711 u Law 64000 bps |
| Voice CODEC g723ar53 | | G.723.1 ANNEX-A 5300 bps |
| Voice CODEC g723ar63 | | G.723.1 ANNEX-A 6300 bps |
| Voice CODEC g723r53 | | G.723.1 5300 bps |
| Voice CODEC g723r63 | | G.723.1 6300 bps |
| Voice CODEC g726r16 | | G.726 16000 bps |
| Voice CODEC g726r24 | | G.726 24000 bps |
| Voice CODEC g726r32 | | G.726 32000 bps |
| Voice CODEC g728 | | G.728 16000 bps |
| Voice CODEC g729br8 | | G.729 ANNEX-B 8000 bps |
| Voice CODEC g729r8 | | G.729 8000 bps |
| Voice CODEC gsmefr | | GSMEFR 12200 bps |
| Voice CODEC gsmfr | | GSMFR 13200 bps |
| Q.931 and related standards | | ISDN user-network interface layer 3 specification for basic call control |

More information for each ITU standard may be obtained at: <http://www.itu.int/>

International Organization for Standardization (ISO) Standards

Table 6. ISO standards supported in Cisco IOS Software Releases

| ISO Standard | Year | Category | Description |
|----------------|------|--------------------------------|---|
| ISO 8473-1 | 1998 | Information technology | Protocol for providing the connectionless-mode network service: Protocol specification |
| ISO 10589/Amd1 | 1996 | Information technology | Telecommunications and information exchange between systems—Intermediate system to Intermediate system (IS-IS) intra-domain routing information exchange protocol for use in conjunction with the protocol for providing the connectionless-mode Network Service (ISO 8473)—Amendment 1: Implementation conformance statement proformas |
| ISO 8348/Amd2 | 1991 | Information technology | Open Systems Interconnection—Network Service Definition—Documents NSAP (Network Service Access Point) addresses |
| ISO 9542 | 1988 | Information processing systems | Telecommunications and information exchange between systems—End system to Intermediate system (ES-IS) routing exchange protocol for use in conjunction with the Protocol for providing the connectionless-mode network service (ISO 8473) |

More information for each ISO standard may be obtained at: <http://www.iso.org/>

Additional Standards

Table 7. Additional Standards and Organizations

| Standard Group | Date | Title | Note |
|---------------------|-----------|--|---|
| VoiceXML | 23-Oct-01 | VoiceXML Version 2.0, W3C Working Draft that defines VoiceXML | http://www.w3.org/Voice/ |
| PacketCable | 1-Dec-99 | PSTN Gateway Call Signaling Protocol Specification (Pkt-SP-TGCP-D02-991028) | http://www.packetcable.com/ |
| PacketCable | 1-Dec-99 | Network-Based Call Signaling Protocol Specification (PKT-SP-EC-MGCP-I02-991201) | http://www.packetcable.com/ |
| PacketCable | 24-Oct-99 | PSTN Gateway Call Signaling Protocol Specification, Pkt-SP-TGCP-101-991024 | http://www.packetcable.com/ |
| PacketCable | 24-Oct-99 | Network-Based Call Signaling Protocol Specification, Pkt-SP-EC-MGCP-102-991024 | http://www.packetcable.com/ |
| Telecordia | | Telecordia SM 1.5 (Simple Gateway Control Protocol) | |
| ECMA-262 | 1-Aug-98 | ECMAScript Language Specification, 3rd edition—Defines the ECMAScript scripting language | http://www.ecma-international.org/ |
| ECMA QSIG Standards | | ECMA 141 | http://www.ecma-international.org/ |
| ECMA QSIG Standards | | ECMA 142 | http://www.ecma-international.org/ |
| ECMA QSIG Standards | | ECMA 143(ETSI300-172) | http://www.ecma-international.org/ |
| ECMA QSIG Standards | | ECMA 165(ETSI239) | http://www.ecma-international.org/ |
| ECMA QSIG Standards | | ECMA Q.SIG v1 & v2 | http://www.ecma-international.org/ |



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