IETF RFCs Supported by Cisco NX-OS Unicast Features

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BGP RFCs

RFCs	Title
RFC 1997	*BGP Communities Attribute*
RFC 2385	*Protection of BGP Sessions via the TCP MD5 Signature Option*
RFC 2439	*BGP Route Flap Damping*
RFC 2519	*A Framework for Inter-Domain Route Aggregation*
RFC 2545	*Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing*
RFC 2858	*Multiprotocol Extensions for BGP-4*
RFC 2918	*Route Refresh Capability for BGP-4*
RFC 3065	*Autonomous System Confederations for BGP*
RFC 3392	*Capabilities Advertisement with BGP-4*
RFC 4271	*A Border Gateway Protocol 4 (BGP-4)*
RFC 4273	*Definitions of Managed Objects for BGP-4*

RFCs	Title
RFC 4456	*BGP Route Reflection: An Alternative to Full Mesh Internal BGP (IBGP)*
RFC 4486	*Subcodes for BGP Cease Notification Message*
RFC 4724	*Graceful Restart Mechanism for BGP*
RFC 4893	*BGP Support for Four-octet AS Number Space*
RFC 5004	*Avoid BGP Best Path Transitions from One External to Another*
RFC 5396[1]	*Textual Representation of Autonomous System (AS) Numbers*
RFC 5549	*Advertising IPv4 Network Layer Reachability Information with an IPv6 Next Hop*
RFC 5668	*4-Octet AS Specific BGP Extended Community*
RFC 7606	Revised Error Handling for BGP Update Messages
draft-ietf-idr-add-paths-08.txt	*Advertisement of Multiple Paths in BGP*
draft-ietf-idr-bgp4-mib-15.txt	*BGP4-MIB*
draft-kato-bgp-ipv6-link-local-00.txt	*BGP4+ Peering Using IPv6 Link-local Address*

[1] RFC 5396 is partially supported. The asplain and asdot notations are supported, but the asdot+ notation is not.

First-Hop Redundancy Protocols RFCs

RFCs	Title
RFC 2281	*Hot Standby Redundancy Protocol*
RFC 3768	*Virtual Router Redundancy Protocol*
RFC 5798	*Virtual Router Redundancy Protocol (VRRP) Version 3 for IPv4 and IPv6*

IP Services RFCs

RFCs	Title
RFC 786	*UDP*
RFC 791	*IP*
RFC 792	*ICMP*

RFCs	Title
RFC 793	*TCP*
RFC 826	*ARP*
RFC 1027	*Proxy ARP*
RFC 1591	*DNS Client*
RFC 1812	*IPv4 routers*
RFC 4022	*TCP-MIB*
RFC 4292	*IP-FORWARDING-TABLE-MIB*
RFC 4293	*IP-MIB*

IPv6 RFCs

RFCs	Title
RFC 1981	Path MTU Discovery for IP version 6
RFC 2373	IP Version 6 Addressing Architecture
RFC 2374	An Aggregatable Global Unicast Address Format
RFC 2460	Internet Protocol, Version 6 (IPv6) Specification
RFC 2461	Neighbor Discovery for IP Version 6 (IPv6)
RFC 2464	Transmission of IPv6 Packets over Ethernet Networks
RFC 3152	Delegation of IP6.ARPA
RFC 3162	RADIUS and IPv6
RFC 3513	Internet Protocol Version 6 (IPv6) Addressing Architecture
RFC 3596	DNS Extensions to Support IP version 6
RFC 4193	Unique Local IPv6 Unicast Addresses
RFC 4862 (replaced RFC 2462)	IPv6 Stateless Address Autoconfiguration

IS-IS RFCs

RFCs	Title
RFC 1142	*OSI 10589 intermediate system to intermediate system intro-domain routing exchange protocol*
RFC 1195	*Use of OSI IS-IS for routing in TCP/IP and dual environment*
RFC 2763, RFC 5301	*Dynamic Hostname Exchange Mechanism for IS-IS*
RFC 2966, RFC 5302	*Domain-wide Prefix Distribution with Two-Level IS-IS*
RFC 2972	*IS-IS Mesh Groups*
RFC 3277	*IS-IS Transient Blackhole Avoidance*
RFC 3373, RFC 5303	*Three-Way Handshake for IS-IS Point-to-Point Adjacencies*
RFC 3567, RFC 5304	*IS-IS Cryptographic Authentication*
RFC 3784, RFC 5305	*IS-IS Extensions for Traffic Engineering*
RFC 3847, RFC 5306	*Restart Signaling for IS-IS*
RFC 4205, RFC 5307	*IS-IS Extensions in Support of Generalized Multi-Protocol Label Switching*
draft-ietf-isis-igp-p2p-over-lan-06.txt	*Internet Draft Point-to-point operation over LAN in link-state routing protocols*

OSPF RFCs

RFCs	Title
RFC 2328	*OSPF Version 2*
RFC 2370	*The OSPF Opaque LSA Option*
RFC 2740	*OSPF for IPv6*
RFC 3101	*The OSPF Not-So-Stubby Area (NSSA) Option*
RFC 3137	*OSPF Stub Router Advertisement*
RFC 3623	*Graceful OSPF Restart*
RFC 5709	*OSPFv2 HMAC-SHA Cryptographic Authentication*
draft-ietf-ospf-ospfv3-graceful-restart-04.txt	*OSPFv3 Graceful Restart*

RIP RFCs

RFCs	Title
RFC 2082	*RIP-2 MD5 Authentication*
RFC 2453	*RIP Version 2*