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27 February 2015

# Network OS

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## Feature Support, RFC Compliance, and IEEE Compliance Matrix

Supporting Network OS v6.0.0

**BROCADE** 

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## Document history

The document history indicates changes made with each revision.

Document title	Release	Summary of changes	Publication date	Document number
Network OS Feature and RFC Support Matrix	4.1.1	Initial release	14 March 2014	53-1003229-01
Network OS Feature and RFC Support Matrix	5.0.0	New features added	28 August 2014	53-1003330-01
Network OS Feature Support, RFC Compliance, and IEEE Compliance Matrix	5.0.1	Feature details added	30 September 2014	53-1003457-01
Network OS Feature Support, RFC Compliance, and IEEE Compliance Matrix	5.0.1 version -02	Correction to a table	13 October 2014	53-1003457-02
Network OS Feature Support, RFC Compliance, and IEEE Compliance Matrix	6.0.0	New features added	27 February 2015	53-1003672-01

## Objective

The purpose of this document is to provide a consolidated view of all supported features and RFC and IEEE compliance for Brocade VDX platforms. For the supported features, the organization of the list aligns with the feature technology areas. This document also lists the release in which each feature, RFC and IEEE standard is introduced, with Network OS Release 3.0.0 serving as the release baseline. Setting the baseline to 3.0.0 means that features, RFCs and IEEE standards listed as being introduced in release 3.0.0 were actually introduced in 3.0.0 or earlier. Use the tables to determine if a feature is supported on your product.

Objective

# Features Supported in Network OS

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## Management

**NOTE**

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

**TABLE 1** Management features supported by product

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
Access gateway	No	No	4.1.0	5.0.0 for the 6740; 6.0.0 for the 6740T and 6740T-1G	No	No
Auto fabric	No	No	No	6.0.0	6.0.0	6.0.0
Authentication, authorization, and accounting (AAA)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Default configuration mode	No	No	No	6.0.0	6.0.0	6.0.0
DHCP (IPv4)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
DHCP (IPv6)	No	No	No	5.0.1	5.0.1	6.0.0
Firmware upgrade and downgrade	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
ICMP (IPv4)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Licensing	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
LLDP & LLDP-Med	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Management VRF	No	No	No	5.0.0	5.0.0	6.0.0
Managing user accounts	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0

**TABLE 1** Management features supported by product (Continued)

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
NetCONF	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Network time protocol (NTP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Secure Copy (SCP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
sFlow	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
SNMPv2, SNMPv3 and MIBs	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Secure shell (SSH)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Switch management	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Telnet	3.0.0	3.0.0	3.0.0	3.0.0	3.0.0	6.0.0
VMware	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0

## Monitoring/RAS

### NOTE

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

**TABLE 2** Monitoring and RAS features supported by product

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
Copy support	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
High Availability	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Packet Capture (PCAP)	4.1.0	4.0.0	4.0.0	4.0.0	4.0.0	6.0.0
Port Mirroring and Monitoring	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Remote Network Monitoring (RMON)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Syslog	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
System monitoring (SYSMON)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0



# IP Multicast

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**NOTE**

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

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**TABLE 3** IP Multicast features supported by product

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
Internet Group Management Protocol (IGMP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IPv4 Multicast Routing	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IPv4 Multicast Switching	No	No	No	4.0.0	4.0.0	6.0.0
IPv6 Multicast Routing	No	No	No	5.0.0	5.0.0	6.0.0
IPv6 Multicast Switching	No	No	No	5.0.0	5.0.0	6.0.0
Protocol Independent Multicast (PIM)	No	No	No	4.0.0	4.0.0	6.0.0

## Layer 2

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**NOTE**

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

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**TABLE 4** Layer 2 features supported by product

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
ARP	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Cisco Peer Switch	No	No	No	6.0.0	6.0.0	6.0.0
Conversational MAC Learning	No	No	No	5.0.0	5.0.0	6.0.0
Edge Loop Detection	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
FCoE	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Fibre Channel Ports	No	No	3.0.0	5.0.0 for the 6740; 6.0.0 for the 6740T and 6740T-1G	No	No

**TABLE 4** Layer 2 features supported by product (Continued)

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
FlexPort	No	No	No	5.0.0 for the 6740; 6.0.0 for the 6740T and 6740T-1G	No	No
IEEE 801.2w RSTP	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1d STP	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1s MSTP	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Link Aggregation	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
MAC ACLs	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
MAC-move detection	No	No	No	6.0.0	6.0.0	6.0.0
Overlay Gateway	No	No	No	4.1.0	No	No
SFP breakout mode (static)	No	No	No	No	5.0.0	No
SFP breakout mode (dynamic)	No	No	No	6.0.0	No	6.0.0
Uni-Directional Link Detection (UDLD)	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	6.0.0
Virtual Fabrics	No	No	No	4.1.0	4.1.0	6.0.0
VLAG	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
VLAN	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0

## Layer 3

### NOTE

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

**TABLE 5** Layer 3 features supported by product

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
ACLs (IPv4)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
ACLs (IPv6)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
BGP4 (IPv4)	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	6.0.0
BGP4+ (IPv6)	No	No	No	5.0.0	5.0.0	6.0.0
Fabric-Virtual-Gateway	No	No	No	5.0.0	5.0.0	6.0.0

**TABLE 5** Layer 3 features supported by product (Continued)

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
In-Band Management	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IP Route Management	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IP Route Policy	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
OSPF (IPv4)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
OSPFv3 (IPv6)	No	No	No	5.0.0	5.0.0	6.0.0
Prefix Lists (IPv4)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
SFP Breakout Mode	No	No	No	4.0.0	4.0.0	6.0.0
Static Routing (IPv4)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
VRF Lite (IPv4)	No	No	No	4.0.0	4.0.0	6.0.0
VRRP & VRRP-E (IPv4)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
VRRPv3 & VRRP-Ev3 (IPv4)	No	No	No	5.0.0	5.0.0	6.0.0
VRRPv3 & VRRP-Ev3 (IPv6)	No	No	No	5.0.0	5.0.0	6.0.0

## Virtual Cluster Switching (VCS)

### NOTE

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

**TABLE 6** VCS features supported by product

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
Automatic Migration of Port Profiles (AMPP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Fabric Build	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Logical Chassis	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Metro VCS	No	4.0.0	4.0.0	4.0.0	4.0.0	6.0.0
Non-trivial merge	No	No	No	5.0.0	5.0.0	6.0.0
TRILL	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0

# Security

**NOTE**

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

**TABLE 7** Security features supported by product

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
802.1x Port Authentication	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Fabric Authentication	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Port security	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
FIPS	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
ACLs	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
HTTPS certificates	No	No	No	6.0.0	6.0.0	6.0.0
Router advertisement (RA) Guard	No	No	No	6.0.0	6.0.0	6.0.0
Zoning	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0

# Traffic Management

**NOTE**

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

**TABLE 8** Traffic Management features supported by product

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
BUM Storm Control	No	No	No	4.0.0	3.0.0	6.0.0
Policy-Based Routing (PBR) (IPv4)	No	No	No	4.1.0	4.1.0	6.0.0
Policy-Based Routing (PBR) (IPv6)	No	No	No	5.0.0	5.0.0	6.0.0
Quality of Service (QoS)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Rate Limiting/Shaping	3.0.0	3.0.0	3.0.0	No	No	No
Routing	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0

**TABLE 8** Traffic Management features supported by product (Continued)

Feature	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
Traffic Policies	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
Trunking	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0



# RFC compliance

## NOTE

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

**TABLE 9** RFCs supported by product

RFC number	RFC Name	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
RFC768	User Datagram Protocol (UDP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC783	TFTP Protocol (revision 2)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC791	Internet Protocol (IP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC792	Internet Control Message Protocol (ICMP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC793	Transmission Control Protocol (TCP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC826	ARP	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC854	Telnet Protocol Specification	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC894	A Standard for the Transmission of IP Datagram over Ethernet Networks	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC959	FTP	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1027	Using ARP to Implement Transparent Subnet Gateways (Proxy ARP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1112	IGMP v1	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1157	SNMPv1/v2c	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1213	MIB II	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1492	TACACS+	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1519	Classless Interdomain Routing (CIDR)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1584	Multicast Extensions to OSPF	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1587	OSPF NSSA Option	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1700	Assigned Numbers	No	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0

**TABLE 9** RFCs supported by product (Continued)

RFC number	RFC Name	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
RFC 1745	BGP – OSPF Interactions	No	No	No	5.0.0	5.0.0	6.0.0
RFC1765	OSPF Database Overflow	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1772	Application of the Border Port Protocol in the Internet	No	4.0.0	4.0.0	4.0.0	4.0.0	6.0.0
RFC1812	Requirements for IP Version 4 Routers	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC1997	BGP Communities Attribute	No	No	No	4.0.0	4.0.0	6.0.0
RFC2068	HTTP Server	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2131	DHCP	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2154	OSPF with Digital Signatures (MD-5 Support)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2236	IGMPv2	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2267	Network Ingress Filtering	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2328	OSPF Version 2	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2370	OSPF Opaque Link-State Advertisement (LSA) Option-Partial Support	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2385	Protection of BGP Sessions with the TCP MD5 Signature Option	No	No	No	No	4.0.0	6.0.0
RFC2439	BGP Route Flap Damping	No	No	No	No	4.0.0	6.0.0
RFC2460	Internet Protocol, Version 6 (v6) Specification (on management interface )	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2464	Transmission of IPv6 Packets over Ethernet Networks (on management interface)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2474	Definition of the Differentiated Services Field in the IPv4 and IPv6 Headers (only for IPv4)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2545	Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing	No	No	No	5.0.0	5.0.0	6.0.0
RFC2571	Architecture for Describing SNMP Framework	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0



**TABLE 9** RFCs supported by product (Continued)

RFC number	RFC Name	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
RFC2858	Multiprotocol Extensions for BGP-4	No	No	No	5.0.0	5.0.0	6.0.0
RFC2865	Remote Authentication Dial In User Service (RADIUS)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC2918	Route Refresh Capability for BGP-4	No	No	No	5.0.0	5.0.0	6.0.0
RFC 3065	Autonomous System Confederations for BGP	No	No	No	5.0.0	5.0.0	6.0.0
RFC3101	OSPF Not-So-Stubby-Area (NSSA) Option	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC3107	Carrying Label Information in BGP-4	No	No	No	5.0.0	5.0.0	6.0.0
RFC3137	OSPF Stub Router Advertisement	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC3176	sFlow	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC3392	Capabilities Advertisement with BGPv4	No	No	No	5.0.0	5.0.0	6.0.0
RFC3411	An Architecture for Describing SNMP Frameworks	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC3412	Message Processing and Dispatching for the SNMP	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC3413	Simple Network Management Protocol (SNMP) Applications	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC3623	Graceful OSPF Restart	No	No	No	5.0.0	5.0.0	6.0.0
RFC3768	Virtual Router Redundancy Protocol (VRRP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC4115	Port-based Policer	No	No	No	4.0.0	3.0.0	6.0.0
RFC4271	BGP	4.0.1	4.0.1	4.0.1	4.0.1	4.0.1	6.0.0
RFC4292	IP Forwarding MIB	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC4293	Management Information Base for the Internet Protocol (IP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC4360	BGP Extended Communities Attribute	No	No	No	5.0.0	5.0.0	6.0.0
RFC4456	BGP Route Reflection	No	No	No	4.0.0	4.0.0	6.0.0

**TABLE 9** RFCs supported by product (Continued)

RFC number	RFC Name	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
RFC4510	Lightweight Directory Access Protocol (LDAP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
RFC4541	MLDv1 Snooping	No	No	No	5.0.0	5.0.0	6.0.0
RFC4552	Authentication / Confidentiality for OSPF v3	No	No	No	5.0.0	5.0.0	6.0.0
RFC4601	PIM/SM Protocol Specification	No	No	No	4.0.1	4.0.1	6.0.0
RFC4724	Graceful Restart Mechanism for BGP	No	No	No	5.0.0	5.0.0	6.0.0
RFC4893	BGP Support for Four-Octet AS Number Space	No	No	No	4.0.0	4.0.0	6.0.0
RFC5065	Autonomous System Confederations for BGP	No	No	No	5.0.0	5.0.0	6.0.0
RFC 5187	OSPFv3 Graceful Restart (Helper Only)	No	No	5.0.0	5.0.0	6.0.0	6.0.0
RFC 5340	OSPF for IPv6	No	No	No	5.0.0	5.0.0	6.0.0
RFC5492	Capabilities Advertisement with BGP-4	No	No	No	5.0.0	5.0.0	6.0.0
RFC5798	VRRP Version 3 for IPv4 and IPv6	No	No	No	5.0.0	5.0.0	6.0.0

# IEEE compliance

## NOTE

The following products are not supported on Network OS 5.0.0 or later: Brocade VDX 6710, Brocade VDX 6720, and Brocade VDX 6730.

**TABLE 10** IEEE standards supported by product

IEEE standard number	IEEE standard name	Brocade VDX 6710	Brocade VDX 6720	Brocade VDX 6730	Brocade VDX 6740, 6740T, and 6740T-1G	Brocade VDX 8770	Brocade VDX 6940
IEEE 802.1D	Spanning Tree Protocol	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1s	Multiple Spanning Tree	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1w	Rapid Reconfiguration of Spanning Tree Protocol	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.3	Ethernet	No	No	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.3ad	Link Aggregation with LACP	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.3ae	10G Ethernet	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1Q	VLAN Tagging	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1p	Class of Service Prioritization and Tagging	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1v	VLAN Classification by Protocol and Port	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1AB	Link Layer Discovery Protocol (LLDP)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.3x	Flow Control (Pause Frames)	3.0.0	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.3ab	1000BASE-T	3.0.0	3.0.0	3.0.0	4.0.0	No	
IEEE 802.3z	1000BASE-X	3.0.0	3.0.0	3.0.0	4.0.0	No	
IEEE 802.1Qbb	Priority-based Flow Control	No	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1Qaz	Enhanced Transmission Selection	No	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0
IEEE 802.1 DCB	Capability Exchange Protocol (Proposed under the DCB Task Group of IEEE 802.1 Working Group)	No	3.0.0	3.0.0	4.0.0	3.0.0	6.0.0

