

Aruba

Feature Command Index for AOS-S Switch 16.11



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About This Guide

This guide provides a list of key features and commands, and their location in the documentation suite.

Applicable Products

This guide applies to these products:

- Aruba 2530 Switch Series (J9772A, J9773A, J9774A, J9775A, J9776A, J9777A, J9778A, J9779A, J9780A, J9781A, J9782A, J9783A, J9853A, J9854A, J9855A, J9856A, JL070A)
- Aruba 2540 Switch Series (JL354A, JL355A, JL356A, JL357A)
- Aruba 2920 Switch Series (J9726A, J9727A, J9728A, J9729A, J9836A)
- Aruba 2930F Switch Series (JL253A, JL254A, JL255A, JL256A, JL258A, JL259A, JL260A, JL261A, JL262A, JL263A, JL264A, JL557A, JL558A, JL559A, JL692A, JL693A)
- Aruba 2930M Switch Series (JL319A, JL320A, JL321A, JL322A, JL323A, JL324A, R0M67A, R0M68A)
- Aruba 3810 Switch Series (JL071A, JL072A, JL073A, JL074A, JL075A, JL076A)
- Aruba 5400R zl2 Switch Series (J9821A, J9822A, J9850A, J9851A, JL001A, JL002A, JL003A, JL095A)

Switch Prompts Used in this Guide

Examples in this guide are representative and may not match your particular switch/environment. Examples use simplified prompts as follows:

Prompt	Explanation
switch#	# indicates manager context (authority).
switch>	> indicates operator context (authority).
switch (config)#	(config) indicates the config context.
switch(vlan- x)#	(vlan-x) indicates the vlan context of config, where x represents the VLAN ID. For example: switch(vlan-128) #.
switch(eth- x)#	(eth-x) indicates the interface context of config, where x represents the interface. For example: switch(eth-48) #.
switch-Stack#	Stack indicates that stacking is enabled.
switch-Stack (config)#	Stack(config) indicates the config context while stacking is enabled.

Prompt	Explanation
switch-Stack (stacking) #	Stack(stack) indicates the stacking context of config while stacking is enabled.
switch-Stack (vlan-x) #	Stack(vlan-x) indicates the vlan context of config while stacking is enabled, where x represents the VLAN ID. For example: switch-Stack(vlan-128) #.
switch-Stack (eth-x/y) #	Stack(eth-x/y) indicates the interface context of config, in the form (eth-<member-in-stack>/<interface>). For example: switch(eth-1/48) #

About Your Switch Documentation



For the latest AOS-S switch documentation, visit the Networking Support website at www.hpe.com/networking/support.

Switch Documentation

Look for this switch documentation available on the Networking Support website:

- Access Security Guide for AOS-S Switch 16.10: Explains how to configure access security features and user authentication on the switch.
- Advanced Traffic Management Guide for AOS-S Switch 16.10: Explains how to configure traffic management features such as VLANs, MSTP, QoS, and Meshing.
- Basic Operation Guide for AOS-S Switch 16.10: Describes how to use the switch interfaces and introduces basic operations.
- Event Log Message Reference Guide for AOS-S Switch 16.10: Provides a comprehensive description of event log messages.
- The Installation and Getting Started Guide for each switch: Explains how to prepare, install, and connect the switch.
- IPv6 Configuration Guide for AOS-S Switch 16.10: Describes the IPv6 protocol operations that are supported on the switch.
- Management and Configuration Guide for AOS-S Switch 16.10: Describes how to configure, manage, and monitor basic switch operation.
- Multicast and Routing Guide for AOS-S Switch 16.10: Explains how to configure IGMP, PIM, IP routing, and VRRP features.
- AOS-S Switch Software Release Notes: Describes new features, fixes, and enhancements that become available between revisions of the main product guide.

Software Feature Coverage Per Guide

Software Feature Coverage Per Guide

Guide name abbreviations are as follows:

- **ASG**: Access Security Guide
- **ATMG**: Advanced Traffic Management Guide
- **BOG**: Basic Operation Guide
- **IPv6**: IPv6 Configuration Guide
- **MCG**: Management and Configuration Guide
- **MRG**: Multicast and Routing Guide

Software features

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
802.1Q VLAN Tagging		X				
802.1X Port-Based Priority					X	
802.1X Multiple Authenticated Clients Per Port	X					
802.3bt					X	
Access Control Lists (ACLs)	X					
Access Control Lists (ACLs) (IPv6)				X		
access-list logtimer	X					
Active / Active Support	X	X				
AES-256 encryption for SNMP					X	
Airwave Controller IP configuration commands					X	
Application Certificate Enrollment using EST	X					
Aruba Central integration					X	
AAA Authentication	X					
Authentication order, priority, and fallback	X					
Authorized IP Managers	X					
Authorized IP Managers (IPv6)				X		

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
Authorized Manager List (Web, SSH, TFTP)	X					
Automatic CA Certificate Download with ClearPass	X					
Auto MDIX Configuration					X	
BOOTP					X	
Border Gateway Protocol (BGP)						X
Captive-portal commands	X					
Class commands					X	
Config File			X			
Console Access			X			
Consolidated Client View					X	
Copy Command					X	
Core Dump					X	
CoS (Class of Service)		X				
Debug					X	
Device Fingerprinting	X					
Device Profile					X	
DHCP Configuration					X	
DHCPv6 Relay				X		
DHCP Option 82						X
DHCP Snooping	X					
DHCP/Bootp Operation					X	
Diagnostic Tools					X	
Diagnostics and Troubleshooting (IPv6)				X		
Distributed Trunking					X	
Downloading Software			X			
Dynamic ARP Protection	X					
Dynamic Configuration Arbiter	X					

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
Dynamic Segmentation					X	
Dynamic IP Lockdown	X					
EAP-TLS Fragmentation	X					
Easing Wired/Wireless Deployment feature integration					X	
Eavesdrop Protection	X					
Equal Cost Multi-Path (ECMP)						X
Event Log					X	
Factory Default Settings			X			
Flow Control (802.3x)					X	
File Management					X	
File Transfers					X	
FQDN support for RADIUS Server	X					
Friendly Port Names					X	
Guaranteed Minimum Bandwidth (GMB)					X	
GVRP		X				
Hibernate mode			X			
IMC (Network Management)	X		X		X	
IGMP						X
Interface Access (Telnet, Console/Serial, web)			X			
IP Addressing			X			
IPv6 Addressing				X		
IP Preserve (IPv6)			X			
IP Routing						X
IPsec for Zero Touch Provisioning					X	
IPsec Tunnel to Secondary Controller					X	
IP SLA					X	
IPv6 Static Routing				X		

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
Jumbo Packets					X	
Key Management System (KMS)	X					
LACP					X	
LACP Minimum Active Links					X	
LLDP	X					
LLDP-MED	X					
Local User roles	X					
Lock a MAC to a port-VLAN pair	X					
Log IP address of an ACL match	X					
Log violation of Blackhole route						X
Loop Protection		X				
MAC Address Management					X	
MAC Lockdown	X					
MAC Lockout	X					
MAC-based Authentication	X					
Management VLAN		X				
Management Security (IPv6)				X		
Meshing		X				
MLDv1/MLDv2				X		
Monitoring and Analysis					X	
Multicast Filtering	X					
Multiple Configuration Files			X			
Net-destination and Net-services	X					
Network Management Applications (SNMP)					X	
Object tracking for Uplink Failure Detection					X	
Out-of-Band Management (OOBM)					X	
OSPFv3				X		

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
Passwords and Password Clear Protection	X					
PAP Support for MAC Authentication	X					
Ping					X	
Policy-based Routing (PBR)		X				
Policy commands					X	
Port Access Enhancements	X					
Port Configuration					X	
Port Monitoring		X				
Port QoS Trust Mode		X				
Port Security	X					
Port Status					X	
Port Trunking (LACP)					X	
Port-Based Access Control (802.1X)	X					
Power over Ethernet (PoE and PoE+)					X	
Protocol Filters	X					
Protocol VLANs		X				
Proxy Server						
PTP (Precision Time Protocol) IEEE 1588					X	
Quality of Service (QoS)		X				
RADIUS Authentication and Accounting	X					
RADIUS-Based Configuration	X					
Rate-Limiting					X	
RIP						X
RMON 1,2,3,9					X	
Routing						X
Routing - IP Static						X
Route Redistribution						X
RPVST+ Ph-2		X				X

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
SavePower Features					X	
Secure Copy					X	
Secure Copy (IPv6)				X		
Secure FTP (IPv6)				X		
Secure Radius (RadSec)	X					
Secure Syslog over TLS	X					
sFlow					X	
SFTP					X	
SNMPv3					X	
SNMP (IPv6)				X		
SNMP Trap Throttling				X		
Software Downloads (SCP/SFTP, TFPT, Xmodem)					X	
Source-Port Filters	X					
Spanning Tree (STP, RSTP, MSTP, RPVST+)		X				
SSHv2 (Secure Shell) Encryption	X					
SSH (IPv6)				X		
SSL (Secure Sockets Layer)	X					
Stacking		X				
sys-debug acl	X					
sys-debug destination	X					
Syslog					X	
System Information			X			
TACACS+ Authentication over v6	X					
Telnet Access			X			
Telnet (IPv6)				X		
TFTP					X	
Time Protocols (TimeP, SNTP)					X	

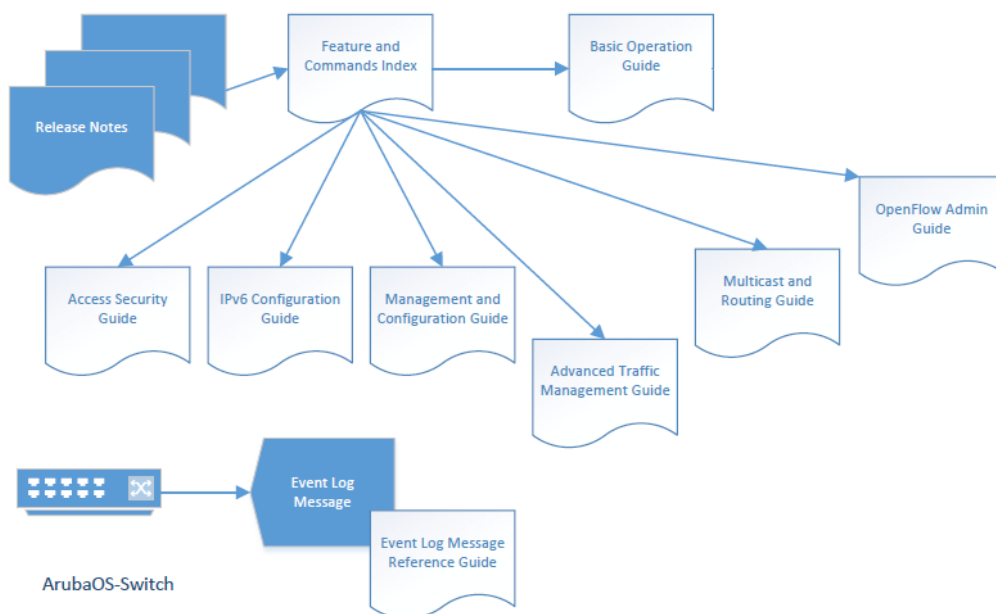
Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
Time Protocols (IPv6)				X		
Traffic Mirroring					X	
Traffic/Security Filters	X					
Troubleshooting					X	
Tunneled node					X	
Tunneling (6in4)				X		
Uni-Directional Link Detection (UDLD)					X	
UDP Forwarder						X
USB Device Support					X	
User-role Enhancement	X					
v6 Per User Tunnel Node					X	
Virus Throttling (Connection-Rate Filtering)	X					
VLANs		X				
VLAN commands					X	
VLAN Mirroring (1 static VLAN)		X				
Voice VLAN		X				
Web Authentication RADIUS Support	X					
Web-based Authentication	X					
Web UI			X			

Reading Path for AOS-S Switch Documentation

AOS-S switch documentation includes the following:

- Release Notes
- Feature and Commands Index for AOS-S Switch 16.10
- Basic Operation Guide (BOG) for AOS-S Switch 16.10
- Access Security Guide (ASG) for AOS-S Switch 16.10
- IPv6 Configuration Guide (IPv6) for AOS-S Switch 16.10
- Management and Configuration Guide (MCG) for AOS-S Switch 16.10
- Advanced Traffic Management Guide (ATMG) for AOS-S Switch 16.10
- Multicast and Routing Guide (MRG) for AOS-S Switch 16.10
- OpenFlow 1.3 Administrator Guide for AOS-S Switch 16.10
- Event Log Message Reference Guide for AOS-S Switch 16.10

Figure 1 Reading path for AOS-S switch documentation



AOS-S Switch Commands by Guide

This chapter indicates which of the AOS-S switch guides to consult for specific commands.



This chapter lists commands for all AOS-S switch products. Certain commands may not apply to all products. For further information or command verification, see the guides for your specific switch.

Guide name abbreviations are as follows:

- **ASG**: Access Security Guide
- **ATMG**: Advanced Traffic Management Guide
- **BOG**: Basic Operation Guide
- **IPv6**: IPv6 Configuration Guide
- **MCG**: Management and Configuration Guide
- **MRG**: Multicast and Routing Guide

A Commands

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
<code>aaa accounting rest-uri</code>	X					
<code>aaa accounting rest-uri stop-only</code>	X					
<code>aaa accounting rest-uri stop-only radius</code>	X					
<code>aaa accounting rest-uri stop-only radius server-group</code>	X					
<code>aaa accounting rest-uri stop-only radius server-group groupname</code>	X					
<code>aaa authorization</code>	X					
<code>aaa authorization group groupname</code>	X					
<code>aaa authorization group groupname uri-seq</code>	X					
<code>aaa authorization group groupname match-uri</code>	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
aa authorization group group1 1 match-uri "/rest/v3" match-json "collection_result" uri-access put permit	X					
aaa authorization rest-uri radius	X					
aaa authorization rest-uri none	X					
aaa authorization rest-uri tacacs	X					
aaa authorization user role test device	X					
aaa authorization user-role name device admin-edge-port	X					
aaa authorization user-role name test device	X					
aaa authorization user-role name device poe-allocate-by-class	X					
aaa authorization user-role name device poe-priority	X					
aaa authorization user-role name device port-mode	X					
aaa authorization user-role name device admin-edge-port	X					
aaa authenticate captive-portal enable	X					
aaa authenticate captive-portal disable	X					
aaa authentication captive-portal profile <PROFILE-STR> [url <URL- STR>]	X					
aaa authentication captive-portal profile <NON_EXISTING_PROFILE>	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
aaa authentication captive-portal url-hash-key plaintext <KEY>	X					
aaa authentication captive-portal url-hash-key encrypted <ENCRYPTED- KEY>	X					
aaa authentication <console telnet ssh web port- access rest> login tacacs					X	
aaa authentication console-lockout	X					
aaa authentication num-attempts <attempts>	X					
aaa authentication lockout-delay <seconds>	X					
aaa port-access authenticator [...]	X					
aaa authentication allow-vlan tagged			X			
aaa authentication local clear- history-record	X					
aaa authentication local min-pwd- length	X					
aaa authentication local user aging period	X					
aaa authentication local-user group	X					
aaa authentication local-user <user1> <group> default-security- group password<plain text>	X					
aaa authentication mac-based pap- radius	X					
aaa authentication port-access	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
[...]						
aaa authentication port-access <PORT_LIST> auth_order <authenticator mac-based> <mac-based authenticator> [local-mac]	X					
aaa authentication port-access <PORT_LIST> auth_priority <authenticator mac-based> <mac-based authenticator>	X					
aaa authentication port-access chap-radius	X					
aaa authentication port-access eap-radius cached-reauth	X					
aaa authentication user-based lockout	X					
aaa authentication unlock	X					
aaa authorization group	X					
aaa authorization user-role [enable disable] [initial-role <ROLE-STR>] [name <ROLE>]]	X					
aaa authorization user-role enable [...]	X				X	
aaa authorization user-role enable download	X					
aaa authorization user-role name <CRITICAL-VOICE> vlan-id-tagged	X					
aaa authorization user-role name <MYUSERROLE> policy <MYUSERPOLICY>	X					
aaa authorization user-role name <MYUSERROLE> captive-portal- profile <MYCAPTPORTPROFILE>	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
aaa authorization user-role name <MYUSERROLE> vlan-id <VID>	X					
aaa authorization user-role name <MYUSERROLE> reauth-period <0- 999999999>	X					
aaa authorization user-role name <Role-name> cached-reauth-period <Time-range>	X					
aaa authorization user-role name <Role-name> device admin-edge-port	X					
aaa authorization user-role name <Role-name> device poe-allocate-by- class	X					
aaa authorization user-role name <Role-name> device poe-priority {critical high low}	X					
aaa authorization user-role name <Role-name> device port-mode	X					
aaa authorization user-role name <Role-name> vlan-id-tagged	X					
aaa port-access [...]	X					
aaa port-access lldp-bypass	X					
aaa port-access authenticator [...]	X					
aaa port-access authenticator eap- id-compliance	X					
aaa port-access port critical user- role critical-voice	X					
aaa port-access controlled- directions in	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
aaa port-access critical-auth data-vlan	X					
aaa port-access critical-auth user-role [...]	X					
aaa port-access device-identity bypass	X					
aaa port-access gvrp-vlans	X					
aaa port-access initial-role					X	
aaa port-access local-mac 1	X					
aaa port-access local-mac 1 addr- limit 2	X					
aaa port-access local-mac 1 auth- vid 10	X					
aaa port-access local-mac profile...	X					
aaa port-access local-mac 1 logoff-period 400	X					
aaa port-access local-mac 1 unauth-period 300	X					
aaa port-access local-mac 1 unauth-vid 12	X					
aaa port-access local-mac mac- group default	X					
aaa port-access local-mac mac- group ip-phone-grp	X					
aaa port-access local-mac 1 quiet- period 70	X					
aaa port-access local-mac 1 reauthenticate	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
aaa port-access local-mac apply profile...	X					
aaa port-access local-mac profile...	X					
aaa port-access local-mac mac-group...	X					
aaa port-access local-mac mac-pin	X					
aaa port-access mac-based [...]	X					
aaa port-access mac-based addr-format < no-delimiter single-dash multi-dash multi-colon no-delimiter-uppercase single-dash-uppercase multi-dash-uppercase multi-colon-uppercase >	X					
aaa port-access mac-based [e] <port-list> [addr-limit 1-256]	X					
aaa port-access mac-based [e] <port-list> [auth-vid vid]	X					
aaa port-access mac-based [e] <port-list> [logoff-period] 60-9999999	X					
aaa port-access mac-based [e] <port-list> [max-requests 1-10]	X					
aaa port-access mac-based [e] <port-list> [quiet-period 1-65535]	X					
aaa port-access mac-based [e] <port-list> [reauthenticate]	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
aaa port-access mac-based [e] <port-list> [reauth-period 0-9999999]	X					
aaa port-access mac-based [e] <port-list> [server-timeout 1-300]	X					
aaa port-access mac-based [e] <port-list> [unauth-vid vid]	X					
aaa port-access mac-based password <password value>	X					
aaa port-access mac-based <port-list>	X					
aaa port-access mac-based server-group	X					
aaa port-access mac-based <PORT-LIST> mac-pin	X					
aaa port-access mac-based unauth-redirect	X					
aaa port-access <port-list> mixed	X					
aaa port-access mka key-server-priority 18	X					
aaa port-access mka key-server-priority transmit-interval <INTERVAL> [ethernet] PORT-LIST	X					
aaa authentication rest login radius	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
aaa port-access station-id addr-format multi-dash-uppercase	X					
aaa port-access supplicant			X			
aaa port-access supplicant [ethernet] <port-list>	X					
aaa port-access web-based access-denied-message <<access-denied-str> radius-response>	X					
aaa port-access web-based auth-vid	X					
aaa port-access web-based [clear-statistics]	X					
aaa port-access web-based [dhcp-addr <ip-address/mask>]	X					
aaa port-access web-based [dhcp-lease <5-25>]	X					
aaa port-access web-based [ewa-server <ipv4-addr hostname> [<page-path>]]	X					
aaa port-access web-based <port-list>	X					
aaa port-access web-based <port-list> [auth-vid <vid>]	X					
aaa port-access web-based <port-list> [client-limit <1-256>]	X					
aaa port-access web-based <port-list> [logoff-period] <60-9999999>]	X					
aaa port-access web-based <port-list>	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
[max-requests] <1-10>]						
aaa port-access web-based <port-list> [max-retries] <1-10>]	X					
aaa port-access web-based <port-list> [quiet-period] <1-65535>]	X					
aaa port-access web-based <port-list> [reauth-period] <0-9999999>]	X					
aaa port-access web-based <port-list> [reauthenticate]	X					
aaa port-access web-based <port-list> [redirect-url <url>]	X					
aaa port-access web-based [e] <port-list> [server-timeout <1-300>]	X					
aaa server-group radius <Group- Name> {[host <IP-ADDR FQDN>] [tls nas-id <NAS-ID>]}	X					
access-denied	X					
access-list	X				X	
access-list logtimer	X					
accounting	X					
acct-port	X					
acl-name-str	X					
aclv4	X			X		
aclv6				X		
activate provision [enable disable force override-def-cfg-check]]					X	
activate software-update [enable					X	

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
disable]						
activate software-update check					X	
activate software-update update					X	
address format	X					
advertise-interval						X
alias			X		X	
all	X					
allow-v1-modules					X	
allow-v2-modules					X	
amp-server					X	
area [...]						X
area <area-id> security authentication ipsec					X	
area [ospf-area-id ...]				X		
area ospf3-area-id stub				X		
area ospf-area-id nssa				X		
arp-protect					X	
	X					
	X					
	X					
aruba-central {enable disable support-mode {enable disable}}					X	
auth-server						
auth-vid	X					

'A' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
authentication	X					
authoritative					X	
authorization	X					
authorized	X					
autorun					X	
					X	
auto-mdix					X	
auto-tftp				X	X	

'B' Commands

'B' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
banner						
banner exec			X			
banner motd			X			
bgp router-id router-id						X
bgp timers keep-alive hold-time						X
boot						
boot active					X	
boot cr					X	
boot set-default flash			X			
boot standby					X	
boot system					X	
bootfile-name <filename>					X	
broadcast-limit					X	

'B' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
bsm-interval						X
bsr-candidate bsm-interval ...						X
bsr-candidate hash-mark-length ...						X
bsr-candidate priority ...						X
bsr-candidate router pim						X
bsr-candidate source-ip-vlan <vid>						X

'C' Commands

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
cached-reauth-period	X					
captive-portal-profile <PROFILE_NAME>	X					
cdp						
cdp enable					X	
cdp mode pre-standard-voice					X	
cdp run					X	
cfg-backup					X	
cfg-restore					X	
cfg-restore status					X	
chassislocate					X	
class		X			X	
class ipv4 ...		X				
class resequence ipv4 ipv6 mac start increment		X				

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
clear cable-diagnostic-result					X	
clear crypto client-public-key	X					
clear dhcp-server conflicts [ip-addr]					X	
clear dhcp-server statistics					X	
clear dhcp-snooping binding [all ip <IP-ADDR> port <PORT-NUM> vlan <VLAN-ID>]	X					
clear dhcpv6-snooping statistics	X					
clear ip ospf statistics				X		
clear ipv6 nd snooping bindings ipv6-address vlan <vlan-id> mac <mac-addr>				X		
clear ipv6 nd snooping statistics ethernet <PORT-LIST>				X		
clear ipv6 neighbors				X		
clear link-keepalive statistics					X	
clear mvrp		X				
clear rogue-ap-isolation					X	
clear security-logging	X					
clear statistics					X	
clear statistics mac ACL-NAME-STR port PORT-NUM	X					
clear statistics mac ACL-NAME-STR {port PORT-NUM VLANVLAN-ID {in out vlan}}	X					
clear statistics mka ethernetport-list	X					

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
clear statistics policy aclv6 aclv4 mac		X				
clear statistics port- list global aclv4 ... aclv6 ... policy lldp port-list			X			
clear statistics PORT- LIST global aclv4 ... aclv6... policy mka ... macsec ... <TRUNK-LIST>	X				X	
client-limit	X					
connection-rate-filter	X					
console			X			
console max-sessions <1-6>	X					
controller-directions	X					
copp traffic-class {<traffic-class-type> limit {default <VALUE>}}		X				
copp user-def <copp-id> {ipv4 ipv6}{any <protocol><dest-port> <dest-ipaddress> [<protocol><dest- port>]}{limit <limit-val> none drop} [tcp udp]}		X				
copy					X	
copy command-output					X	
copy config			X			
copy core-dump					X	

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
copy core-dump VSF member VSF-MEMBERSLOT-ID mm-active mm-standby sftp tftp usb xmodemHOST-NAME-STR IP-ADDR IPV6-ADDRFILENAME-STR					X	
copy crash-data					X	
copy crash-data VSF member VSF-MEMBERSLOT-ID-RANGE mm sftp tftp usb xmodem sftp tftp usb xmodemHOST-NAME-STR IP-ADDR IPV6-ADDRFILENAME-STR					X	
copy crash-files <options>					X	
copy crash-log					X	
copy crash-log VSF member VSF-MEMBER SLOT-ID-RANGE mm sftp tftp usb xmodemsftp tftp usb xmodemHOST-NAME-STR IP-ADDR IPV6-ADDRFILENAME-STR					X	
copy event-log					X	
copy fdr-log VSF member VSF-MEMBERall mm-active mm-standby slotcurrent previous SLOT-ID-RANGEsftp tftp usb xmodemHOST-NAME-STR IP-ADDR IPV6-ADDRFILENAME-STR					X	
copy flash			X			
copy flash tftp					X	
copy flash usb					X	
copy flash xmodem					X	
copy running-config xmodem add-ignore-tag					X	

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
copy security-log sftp/tftp/usb/xmodem user IP- Address FILENAME-STR	X					
copy <source> config <config file name>hostname ip<source file> detail					X	
copy source destination					X	
copy startup-config sftp <ip-addr> <filename> add-ignore-tag					X	
copy startup-config usb					X	
copy startup-config xmodem add- ignore-tag					X	
copy tftp					X	
copy tftp command-file					X	
copy tftp show-tech					X	
copy tftp target				X		
copy usb command-file					X	
copy usb flash			X		X	
copy usb startup-config					X	
copy xmodem command-file					X	
copy xmodem config					X	
copy xmodem flash			X		X	
copy xmodem startup-config					X	
core-dump					X	
core-dump interfaces management- module VSF tftp- servermemberMEMBER-IDinterfaces management-module					X	

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
crypto host-cert generate self-signed			X			
crypto ca-download usage clearpass retry <time-interval>	X					
crypto ca-download usage clearpass force	X					
crypto key	X					
crypto key generate autorun-key	X					
crypto key generate ssh	X					
crypto key zeroize	X					
crypto pki	X					
crypto pki clear crl	X					
crypto pki create-csr certificate- name	X					
crypto pki create-csr certificate- name <cert-name> usage [all openflow web captive-portal syslog radsec-client]	X					
crypto pki create-csr certificate- name <cert-name> ta-profile <profile_name>	X					
crypto pki enroll-est-certificate certificate-name ta-profile	X					
crypto pki enroll-self-signed certificate-name <cert-name> usage [all openflow web captive- portal syslog radsec-client]	X				X	
crypto pki install-signed- certificate	X					

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
crypto pki ta-profile <profile_name> crl-root-profile <ta-profile_name>	X					
crypto pki ta-profile <profile_name> retrieve-crl	X					
crypto pki ta-profile <profile_name> ocsp-root-profile <ta-profile_name>	X					
crypto pki ta-profile <profile_name> revocation-check crl	X					
crypto pki ta-profile <profile_name> revocation-check ocsp	X					
crypto public-key	X					
crypto SuiteB-MinLoS <128 192> tls	X					
cwmp					X	

'D' Commands

'D' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
debug		X			X	
debug cfg-restore					X	
debug destination buffer	X					
debug destination session	X					
debug destination logging	X					
debug dynamic-ip-lockdown	X					
debug ip fib blackhole						X
debug ip ospf						X
debug ipv6 fib blackhole						X

'D' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
debug ipv6 nd snooping				X		
debug ipv6 ospf3				X		
debug ipv6 ripng				X		
debug ipv6 ripng database events trigger				X		
debug mvrp		X				
debug ntp					X	
debug security captive-portal	X					
debug security crypto	X					
debug security dhcp-snooping	X					
debug security dhcpv6-snooping	X					
debug security captive-portal	X					
debug security port-access authenticator	X					
debug security port-access mac- based	X					
debug security radius-server	X					
debug usertn	X					
debug vrrp						X
debug ztp					X	
default-router <IP-ADDR-STR> [IP- ADDR2 IP-ADDR8]					X	
default-class action mirror					X	
default-metric value						X
destination-port-list	X					

'D' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
device-file <PROFILE-NAME>					X	
device-file type {aruba-ap aruba-switch scs-wan-cpe device-name <DEVICE-NAME> associate <PROFILE-NAME> enable disable}					X	
device-profile device-type <DEVICE-NAME> associate <PROFILE-NAME>					X	
device-profile device-type <DEVICE-NAME> disable					X	
device-profile name					X	
device-profile name <device-profile-name> [no] allow-tunneled-node					X	
device-profile type					X	
device-fingerprinting policy <profile-name>	X					
device-fingerprinting timer <time>	X					
device-fingerprinting <port-number> client-limit <limit>	X					
device-fingerprinting <port-number> incoming-clients-only	X					
device-fingerprinting apply policy <profile_name> <port-number>	X					
device-identity name cdp type value	X					
dhcp config-file-update			X			
dhcp-lease	X					
dhcp-server					X	
dhcp-server conflict-logging					X	

'D' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
dhcp-server database [file ASCII-STR] [delay <15-86400>][timeout <0-86400>]					X	
dhcp-server ping [packets <0-10> timeout <0-10>]					X	
dhcp-server ping timeout <1-10>					X	
dhcp-server pool <pool-name>					X	
dhcp-relay option 82...						X
dhcpv6-relay				X		
dhcpv6-relay option 79 <enable disable>					X	
dhcp-snooping			X			
dhcpv6-snooping	X					
dhcpv6-snooping authorized-server <ipv6-address>	X					
dhcp-snooping [authorized-server database max-bindings option rate-limit trust verify vlan]	X					
dhcpv6-snooping database [file ASCII-STR] [delay <1586400>][timeout <0-86400>]						
Table Cell Outside Table:						
dhcpv6-snooping max-bindings <port-list> <1-8192>	X					
dhcp-snooping rate-limit <Range>	X					
dhcpv6-snooping trust [ethernet] PORT-LIST	X					
diagnostic-level	X					

'D' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
disable					X	
disable ripng global				X		
display pki certificate	X					
distance [external ...]				X		X
DLDP			X			
dldp authentication-mode none md5 simple			X			
dldp authentication-password simple			X			
dldp delaydown-timer 1-5			X			
dldp enable disable			X			
dldp interval 1-100			X			
dldp unidirectional-shutdown auto manual			X			
distributed-trunking					X	
dns-server <IP-ADDR> [IP-ADDR2 IP- ADDR8]					X	
domain-name <name>					X	
downloadable-role-delete <USER- ROLE-NAME>	X					
dr-priority				X		
drop	X					

'E' Commands

'E' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
eap-radius	X					

'E' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
enable			X		X	X
enable ripng global				X		
encrypt-credentials	X					
encrypted-key	X					
end			X			
erase			X			
erase fdr-log VSF member MEMBER-IDslot mm-active mm-standbycurrent previous					X	
erase flash			X			
erase startup-config					X	
est-server <url>	X					
est-server user-name	X					
est-server http-auth-digest	X					
est-server retry-interval	X					
est-server retry-count	X					
est-server re-enrollment-prior- expiry	X					
extended	X					

'F' Commands

'F' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
failback						X
failover [with-monitoring]						X

'F' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
fastboot			X			
fault-finder link-flap ethernet <ort-list>					X	
fault-finder link-flap ethernet <port-list> action warn warn-and- disable SECONDS sensitivity low medium high					X	
fault-finder multicast-storm [action {warn warn-and-disable}] [sensitivity {low medium high}]					X	
fault-finder multicast-storm <PORT-LIST> action {warn warn- and-disable <Seconds>} {percent <Percent> pps <Rate>}					X	
filter source-port	X					
filter source-port named-filter...	X					
flexible-module <MODULE-NUM> {type <J-NUMBER> remove}		X				
flow-control					X	
forbidden		X				
forward 1 drop	X					
forward port-list	X					
front-panel-security	X					

'G' Commands

'G' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
graft-retry-interval				X		
gvrp		X				

'H' Commands

'H' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
hello-delay <TIME>				X		
hello-interval <INTERVAL>				X		
hibernate <seconds>			X			
hide-sensitive-data	X					
host	X					
hostname			X			

'I' Commands

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
icmp	X	X				
icmp-type	X					
icmp-type-name	X					
igmp	X	X				
igmp delayed-flush <time-period>						X
igmp fastlearn <port-list>						X
igmp filter-unknown-mcast						X
igmp-proxy domain-name						X
ignore		X				
ignore connection-rate-filter	X					
ignore-untagged-mac					X	
include-credentials	X					
instrumentation						

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
instrumentation monitor	X					
interface						
interface loopback			X	X		X
interface <port-list> device-type network-device					X	
interface <port-list> energy-efficient- ethernet					X	
interface <port-list> lacp active					X	
interface <port-list> power-over-ethernet					X	
interface <port-list> speed-duplex auto- 100					X	
interface <port-list> private-vlan promiscuous		X				
interface <port-list> <tagged untagged forbid> <vlan svlan <vlan-id-list>		X				
[no] interface <port-list Trk-list> bandwidth- min output queue1_% queue2_% queue3_% queue4_% queue5_% queue6_% queue7_% queue8 strict>					X	
[no] interface <port-list Trk-list> rate-limit queues out percent queue1_% queue2_% queue3_% queue4_% queue5_% queue6_% queue7_% queue8					X	
interface speed-duplex					X	
interface tunnel				X	X	
ip						
ip access list	X					
ip access-group	X					

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
ip access-group <ACL-ID>in outshared	X					
ip access-group <ACL-ID>in out vlan-in vlan-out connection-rate-filtershared	X					
ip arp-age [...]						X
ip arp-throttle aging-time						X
ip arp-throttle enable						X
ip arp-throttle exclude-mac						X
ip arp-throttle remediation-mode						X
ip arp-throttle threshold						X
ip authorized-managers	X					
ip bootp-gateway ip-addr						X
ip client-tracker	X					
ip client-tracker probe-delay	X					
ip default-gateway			X		X	
ip directed-broadcast						X
ip dns domain-name				X	X	
ip dns server-address				X		
ip dns server-address priority					X	
ip forward-protocol udp...						X
ip helper-address						X
ip icmp [echo... unreachable redirects]						X
ip igmp						X
ip igmp disable						X

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
ip igmp enable						X
ip igmp fastleave <port-list>						X
ip igmp last-member-query-interval						X
ip igmp lookup-mode						X
ip igmp querier						X
ip igmp query-max-response-time						X
ip igmp robustness						X
ip igmp static-group <group-address>						X
ip igmp version						X
ip irdp [broadcast multicast]						X
ip load-sharing...				X		X
ip local-proxy-arp						X
ip multicast-routing						X
ip ospf ip-addr				X		
ip ospf ip-addr passive				X		
ip ospf [md5-auth-key-chain...]				X		
ip pim-dense						X
ip pim-sparse						X
ip preserve			X			
ip-protocol-nbr	X					
ip-proxy-arp						X
ip-recv-mac		X				
ip rip						X

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
ip rip authentication-type						X
ip rip md5-auth-key-chain						X
ip rip poison-reverse						X
ip-route...						X
ip-router-id...				X		X
ip-routing						X
ip source-binding	X					
ip source-interface			X			
ip source-interface {radius snmp syslog tacacs telnet tftp sf low tunneled-node-server radsec} [<IP_ADDRESS IPV6_ADDRESS> <LOOPBACK_INTERFACE> <VLAN_ID>]>	X					
ip source-lockdown	X					
ip ssh	X				X	
ip ssh rekey	X					
ip timep					X	
ip ttl			X			
ip udp-bcast-forward						X
ip-sla						
ip-sla <ID> clear					X	
ip-sla <ID> history-size					X	
ip-sla <ID> icmp-echo [<IP-ADDR> <HOST-NAME>] [source <IP-ADDR> source-interface vlan <VLAN-ID>] [payload-size <SIZE>]					X	

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
ip-sla <ID> monitor packet-loss threshold-type [immediate consecutive <COUNT>] action type [trap log trap-log none]					X	
ip-sla <ID> monitor test-completion action-type [trap log trap-log none]					X	
ip-sla <ID> monitor threshold-config [rtt srcToDstTime dstToSrcTime] threshold- type [immediate consecutive <COUNT>] threshold-value <UPPER-LIMIT><LOWER-LIMIT> action-type [trap log trap-log none]					X	
ip-sla responder					X	
ip-sla <ID> schedule [now startTime <START-TIME>] [forever stopTime <STOP- TIME> repetitions <NUM>] [frequency <FREQUENCY>]					X	
ip-sla <ID> tcp-connect [destination [<IP- ADDR> <HOST-NAME>] <PORT-NUM>] [source [<IP-ADDR> <VLAN-ID>] <PORT-NUM>]					X	
ip-sla <ID> tos <VALUE>					X	
ip-sla <ID> udp-echo [destination [<IP- ADDR> <HOST-NAME>] <PORT-NUM>] [source <IP-ADDR> <VLAN-ID>] [payload- size <SIZE>]					X	
ipv6						
[ip ipv6] prefix-list name ...						X
ipv6 access-group <ACL-ID>in outshared	X					
ipv6 access-group <ACL-ID>in out vlan- in vlan-out connection-rate-filtershared	X					
ipv6 access-list [ascii-str name-str]				X		

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
ipv6 access-list deny-non-classifiable-layer4-header				X		
ipv6 access-list resequence				X		
ipv6 address [...]				X		
ipv6 address dhcp				X		
ipv6 address fe80:... link-local				X		
ipv6 address autoconfig				X		
ipv6 authorized managers	X			X		
ipv6 dhcp-client authentication				X		
ipv6 enable				X		
ipv6 helper-address...				X		
ipv6 hop-limit...				X		
ipv6 icmp...				X		
ipv6 mld send-router-alert				X		
ipv6 mld send-router-alert default				X		
ipv6 mld send-router-alert alternative-padding				X		
ipv6 nd dad-attempts				X		
ipv6 nd mac-check				X		
ipv6 nd ra...				X		
ipv6 nd reachable-time				X		
ipv6 nd snooping				X		
ipv6 nd snooping max-binding <PORT-LIST><1-16384>				X		
ipv6 nd snooping prefix-list <IPv6-ADDR>				X		

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
ipv6 nd snooping trust ethernet <PORT-LIST>				X		
ipv6 nd snooping vlan <VLAN-ID-RANGE>				X		
ipv6 nd suppress-ra				X		
ipv6 ospf3...				X		
ipv6 pim6-dense				X		
ipv6 pim6-sparse				X		
ipv6 ripng				X		
ipv6 ra-guard ports...				X		
ipv6 route...				X		
ipv6 source-lockdown	X					
ipv6 source-lockdown [ethernet] <port-list>	X					
ipv6 source-interface				X		
ipv6 source-interface {<PROTOCOL-ID all>} {<loopback <ID> vlan <VLAN-ID> <IPv6-ADDR>}}	X					
ipv6 unicast-routing				X		

'J' Commands

'J' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
job <JOB NAME> at delay enable disable					X	
jumbo						
jumbo max-frame-size					X	
jumbo ip-mtu size					X	

'K' Commands

'K' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
key	X					
keysize	X					
key-chain	X					
kill			X		X	

'L' Commands

'L' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
lacp					X	
lacp min-active-links <value>					X	
lacp enable-timer <value>					X	
lan-prune-delay				X		
lease [DD:HH:MM infinite]					X	
licenses					X	
link					X	
link-keepalive interval					X	
link-keepalive mode [verify-then-forward forward-then-verify]					X	
link-keepalive retries					X	
link-keepalive vlan vid					X	
lldp admin-status					X	
lldp admin-status oobm					X	
lldp config <port-list> basicTlvEnable TLV-Type					X	

'L' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
lldp config <port-list> dot1TlvEnable port-vlan-id					X	
lldp config <port-list> dot3TlvEnable eee_config					X	
lldp config <port-list> dot3TlvEnable macphy_config					X	
lldp config <port-list> dot3TlvEnable poe_config					X	
lldp config <port-list> dot3TlvEnable poeplus_config					X	
lldp config <port-list> ipAddrEnable ip-address					X	
lldp config <port-list> medPortLocation Address-Type					X	
lldp config <port-list> medTlvEnable medTlv					X	
lldp config <PORT_NUM>					X	
lldp config <PORT_NUM> basicTlvEnable management_addr					X	
lldp enable-notification					X	
lldp enable-notification oobm					X	
lldp fast-start-count					X	
lldp holdtime-multiplier					X	
lldp refresh-interval					X	
lldp run					X	
lldp top-change-notify port-list					X	
lockout-mac	X					

'L' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
log						
log-off period	X					
logging					X	
logging filter deny					X	
logging filter enable					X	
logging filter <NAME>	X				X	
logging ip-address					X	
logging <IP-ADDR> filter <FILTER-NAME>	X					
logging <IP-ADDR> tls <PORT-NUMBER>	X					
logging priority description					X	
logging severity					X	
logging syslog-ipv4-address				X		
logging system-module					X	
loop-protect		X				

'M' Commands

'M' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
MAC port-list	X					
mac-access-group <ACL-ID> in	X					
mac-access-group <ACL-ID>in outshared	X					
mac-access-list extended	X					
mac-access-list resequence	X					

'M' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
mac-access-list standard	X					
mac-address	X					
mac-age-time			X			
mac-based	X					
mac-count-notify traps					X	
mac-delimiter {default colon hyphen oui- nic none}	X					
mac-notify traps					X	
MACSec	X					
management-vlan		X				
manager	X					
map-traffic-group <queue-num> priority <priority> [name <namestring>]		X				
match		X				
match interface...						X
match [ip ipv6] next-hop...						X
match [ip ipv6] route-source...						X
match metric value						X
match route-type external...						X
match source-protocol...						X
match tag value						X
match ignore <alias-src><alias- dst><alias-srvc>		X				

'M' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
max-bindings	X					
max-graft-retries				X		
max-requests	X					
max-retries	X					
max-vlans		X				
menu			X			
mesh		X				
mirror					X	
mirror endpoint ip					X	
mirror-port					X	
mld reload				X		
module <MODULE-NUM> type <MODULE-TYPE>					X	
module slot					X	
module-type					X	
monitor all					X	
monitor ip access-group					X	
monitor mac					X	
mvrp {enable disable}		X				
mvrp join-timer		X				
mvrp leave-timer		X				
mvrp leaveall-timer		X				
mvrp periodic timer		X				
mvrp periodic-timer-enable		X				

'M' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
mvrp registration		X				

'N' Commands

'N' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
nacl	X					
name					X	
netbios-name-server <IP-ADDR-STR> [IP-ADDR2 IP-ADDR8]					X	
netbios-node-type [broadcast hybrid mixed peer-to-peer]					X	
netdestination <NAME-STR> [host <IP-ADDR> [position <NUM>] network <IP-ADDR/MASK-LENGTH> [position <NUM>]]	X					
netedit-update	X					
netservice <NAME-STR> {tcp udp <PROTOCOL>} [<PORT-NUM> <PORT-NUM> list <PORT-STR>]	X					
network <ip-addr/mask-lenght>					X	
network ipv4/mask [route-map route-map-name]						X
no aaa authentication captive- portal enable	X					
no aaa authentication captive- portal profile <PROFILE-STR> [url <URL-STR>]	X					
no aaa authentication captive- portal profile <NON_EXISTING_ PROFILE>	X					

'N' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
no aaa authentication captive-portal url-hash-key	X					
no aaa port-access authenticator eap-id-compliance	X					
no aaa authorization user-role enable	X					
no aaa authorization user-role name <ROLE1>	X					
no aaa authorization user-role enable download	X					
[no] aaa port-access local-mac apply user-role <Role-Name> [mac-oui <MAC-OUI> mac-mask <MAC-MASK> mac-addr <MAC-ADDR> mac-group <MAC-GROUP-NAME>]	X					
no aaa port-access mac-based server-group	X					
no aaa server-group radius nas-id	X					
no bgp router id						X
no dhcp-relay hop-count-increment						X
no device-identity name cdp type value	X					
no ip client-tracker	X					
no ip client-tracker probe-delay	X					
no netdestination <NAME-STR> {host <IP-ADDR> [position <NUM>] network <IP-ADDR/MASK-LENGTH> [position <NUM>]}	X					

'N' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
no netservice <NAME-STR> {tcp udp <PROTOCOL>} [<PORT-NUM> <PORT-NUM> list <PORT-STR>]	X					
no policy user <POLICYNAME>	X					
no radius-server tracking dead- server-only	X					
no radius-server tracking request-packet-count	X					
no radius-server cppm identity <IDENTITY>	X					
no track						X
no vlan-id-tagged [<VLAN-ID> < VLAN-STR>]	X					
no vlan-id <VLAN-ID>	X					
ntp					X	
ntp authentication					X	
ntp enable					X	
ntp ipv6-multicast					X	
ntp max-associations					X	
ntp server					X	
ntp trap	X				X	
null-auth-compatibility						X
num-attempts	X					

'O' Commands

'O' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
oobm					X	
oobm enable					X	
oobm interface					X	
oobm interface speed-duplex					X	
oobm ip address					X	
oobm ip default-gateway <IP-ADDR>					X	
oobm ipv6 default-gateway <IPV6-ADDR>					X	
oobm member <MEMBER-ID> ipv6 default-gateway <IPV6-ADDR>					X	
opacity-shields	X					
operator	X					
option <CODE> {ascii<ascii-string> hex <hex-string> ip <IP-ADDR-STR>[IP-ADDR2 IP-ADDR8]}					X	
override-interval				X		

'P' Commands

'P' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
papi-security					X	
password all	X					
password complexity	X					
password composition	X					
password configuration	X					
password configuration-control	X					

'P' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
password manager	X					
password non-plaintext-sha256	X					
password port-access	X					
password recovery	X					
ping					X	
ping6				X	X	
policy		X				
policy mirror					X	
policy user <POLICY-NAME>	X					
policy resequence <POLICYNAME> <START><INCREMENT>	X					
port-access	X					
port-security <port-numbers> disable-timer <seconds>	X					
port-security learn-mode mixed	X					
port-security mac-address vlan-id	X					
port status					X	
power						
power-over-ethernet pre-std-detect					X	
power-over-ethernet redundancy					X	
power-over-ethernet threshold					X	
power slot <SLOT-LIST>threshold <1-99> optional-parameters power-over-ethernet VSF member <MEMBER-ID>					X	
preempt-delay-time ...						X

'P' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
preempt-mode						X
primary-ip-address [ip-address lowest]						X
primary-vlan		X				
priority 1-254						X
process-tracking <TIME>slot <SLOT-LIST><TIME>					X	
propagation-delay <INTERVAL>				X		
proxy exception ip host {ip-addr/mask-length hostname}					X	
proxy server <http://<ip-addr/FQDN>:port number>					X	
ptp [enable disable]					X	

'Q' Commands

'Q' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
qinq		X				
qos		X				
qos queue-config traffic-template <template-name>		X				
qos traffic-template <template-name>		X				
qos traffic-template <template-name><copy-from-name>		X				
qos trust [default dot1p dscp ip-prec none device [none <DEVICE-TYPE>]]		X				

'Q' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
<pre> qos dscp-map <CODEPOINT> priority <PRIORITY> [name <NAME> default legacy] </pre>		X				

'R' Commands

'R' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
<pre> radius host <ip-address> [oobm] </pre>	X					
<pre> radius host <ip-address> [oobm]radius-server access-request include interface-vlan-id statically- configured </pre>	X					
<pre> radius-server access-request include interface-vlan-id dynamically- assigned </pre>	X					
<pre> radius-server cppm identity <IDENTITY> key <KEY> </pre>	X					
<pre> radius-server dead-time </pre>	X					
<pre> radius-server host <IP-ADDR IPV6-ADDR FQDN> </pre>	X				X	
<pre> radius-server host key clearpass </pre>	X					
<pre> radius-server host <IP-ADDR IPV6-ADDR FQDN> key <server- specific key-string> </pre>	X					
<pre> radius-server host <IP-ADDR IPV6-ADDR FQDN> key <pre-shared- key> </pre>	X					
<pre> radius-server host <IP-ADDR IPV6-ADDR FQDN> key <pre-shared- key> clearpass </pre>	X					

'R' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
radius-server key <global key-string>	X					
radius-server tracking dead-servers-only	X					
radius-server tracking <enable disable> [...]	X					
radius-server tracking request-packet-count <PACKET-COUNT>	X					
radius-server tracking user-name [...] password[...]	X					
radius-server host <IP-ADDR FQDN> tls port <PORT>	X					
radius-server host <IP-ADDR FQDN> tls oobm	X					
radius-server host <IP-ADDR FQDN> tls clearpass	X					
radius-server host <IP-ADDR FQDN> tls dyn-authorization	X					
radius-server host <IP-ADDR FQDN> tls time-window <SECONDS>	X					
radius-server host <IP-ADDR FQDN> tls time-window positive-time-window	X					
radius-server host <IP-ADDR FQDN> tls time-window plus-or-minus-time-window	X					
radius-server tls timeout <SECONDS>	X					
radius-server tls connection-timeout <SECONDS>	X					

'R' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
radius-server tls dead-time <MINUTES>	X					
radius-server tls dead-time infinite	X					
range <IP-ADDR>[<IP-ADDR>]					X	
rate-limit					X	
rate-limit unknown-unicast in kbps					X	
rate-limit unknown-unicast in percent					X	
redo			X			
redundancy active-management					X	
redundancy active-management management-module1 management- module2 standby					X	
redundancy fabric-module					X	
redundancy management-module					X	
redundancy preferred-active- management {management-module1 management-module2}					X	
redundancy rapid-switchover					X	
redundancy switchover					X	
reload					X	
reload after			X			
reload at			X			
reload module <SLOT-LIST>					X	
rename config			X			

'R' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
repeat			X		X	
restart strict-lsa				X		
restrict [...] ip-addr ...						X
rfc1583-compatibility						X
rmonlog-set-threshold <percentage>						X
rogue-ap-isolation action					X	
rogue-ap-isolation disable					X	
rogue-ap-isolation enable					X	
rogue-ap-isolation whitelist					X	
route-map ...				X		
router ospf3 [redistribute default-metric area] ...				X		
router ospf [...]				X		
router ospf default-metric...				X		
router ospf metric-type [...]				X		
router ospf redistribute				X		
router ospf restrict				X		
router [ospf ospfv3] reference- cost						X
router pim						X
router pim join-prune-interval						X
router pim PSR candidate						X
router pim rp-threshold						X
router pim spt-threshold						X

'R' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
router pim state-refresh...						X
router pim trap						X
router pim6 [...]						X
router rip [...]						X
router ripng				X		
router ripng default-metric <1-15>				X		
router ripng distance <1-255>				X		
router ripng redistribute				X		
router ripng timers				X		
router ripng timers update <5-65535>				X		
router ripng trap				X		
router rip redistribute [...]						X
router vrrp [ipv4 ipv6] ...						X
router vrrp traps						X
rp-candidate...						X
rpf-override...						X

'S' Commands

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
savepower flexible-module <SLOT-ID>		X				
savepower flexible-module <SLOT-ID> member <STACK-MEMBER>		X				
savepower module <SLOT-LIST> all					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
setmib hpIcmpRatelimitPortAlarmflag					X	
setmib lldpTxDelay.0 -i					X	
setmib lldpReinitDelay					X	
setmib lldpnotificationinterval.0 -i					X	
session interactive-mode			X			
session show-message-type			X			
set metric value						X
set metric-type external...						X
set tag value						X
sflow receiver-instance destination ip-address					X	
show access-list ACL-NAME-STR config config ports radius resources tunnel TUNNEL-ID vlan VLAN-ID]	X					
show access-list port <port-list>	X					
show access-list ports <port-list> all	X					
show access-list radius	X					
show access-list resource	X					
show accounting sessions	X					
show access-list vlan <vlan-id> all	X					
show activate software-update					X	
show activate-provision					X	
show amp-server					X	
show ap license-usage					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show arp					X	
show aruba-central					X	
show authentication	X					
aaa authentication mac-based	X					
show authorization group <groupname>	X					
show authentication locked-out-users					X	
show autorun					X	
show bandwidth output					X	
show bandwidth output <port-list Trk-list>					X	
show banner			X			
show bfd						X
show boot-history					X	
show boot-history VSF member <VSF-MEMBER-LIST>					X	
show cable-diagnostic-result					X	
show captive-portal	X					
show captive-portal profile	X					
show cdp					X	
show cdp neighbors					X	
show cfg-restore					X	
show class					X	
show class mac class-name		X				
show class ports port-list		X				
show class vlan vlan-id		X				

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show config	X		X		X	
show config files			X			
show config interface			X			
show console			X			
show copp		X				
show cpu <seconds>					X	
show cpu process slot <SLOT- LIST>refresh <COUNT>					X	
show crypto ipsec				X		
show crypto pki local-certificate	X					
show crypto pki ta-profile <profile- name>	X					
show device-identity <LLDP>	X					
show device-profile config					X	
show device-fingerprinting profile- name <profile_name>	X					
show device-fingerprinting active	X					
show device-fingerprinting client- status	X					
show device-fingerprinting client- details	X					
show device-identity	X					
show device-identity cdp	X					
show device-identity lldp	X					
show dhcp-relay						X

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show dhcp-relay bootp-gateway...						X
show dhcp-server binding					X	
show dhcp-server database					X	
show dhcp-server pool <pool-name>					X	
show dhcp-server statistics					X	
show dhcp-server						
show dhcp-snooping binding		X				
show dhcp-snooping binding private-vlan		X				
show dhcpv6-relay					X	
show dhcpv6-snooping	X					
show dhcpv6-snooping bindings	X					
show dhcpv6-snooping stats	X					
show distributed-trunking consistency-parameters global					X	
show distributed-trunking consistency-parameters global feature <feature>						X
show distributed-trunking consistency-parameters global feature pim-sm					X	
show distributed-trunking peer-keepalive					X	
show dldp statistics <port-list>			X			
show est-server	X					
show est-server config	X					

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show est-server status	X					
show est-server ta-profile status	X					
show fault-finder broadcast-storm [<ethernet> port-list]					X	
show fault-finder link-flap ethernet <port-list>					X	
show flash			X		X	
show gvrp		X				
show hash					X	
show igmp					X	
show igmp delayed-flush						X
show distributed-trunking					X	
show igmp filter-unknown-mcast						X
show igmp-proxy [...]						X
show interfaces [<port-list>] smartrate					X	
show interface <PORT-NUMBER>					X	
show interfaces all					X	
show interfaces [brief ... config custom ... display port- utilization transceiver ... status ... tunnel... [ethernet] PORT-LIST]	X					
show interfaces brief					X	
show interfaces config					X	
show interfaces custom					X	
show interfaces-display					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show interfaces queues... config custom ... display port-utilization transceiver... status... tunnel... ethernet PORT-LIST		X				
show interfaces {brief config <PORT-LIST>}					X	
show interfaces status					X	
show interfaces transceivers					X	
show interfaces trunk-utilization					X	
show interfaces tunnelTUNNEL-LIST TUNNEL-NAME brief type					X	
show interfaces tunnel type vxlan statistics TUNNELIFINDEX TUNNELNAME		X				
show [ip ipv6 prefix-list] ...						X
show ip	X					
show ip arp-throttle						X
show ip forward-protocol						X
show ip igmp					X	X
show ip igmp config						X
show ip igmp [config group IP-ADDR groups vlan <VLAN-ID> statistics VLAN-						X
show ip igmp groups						X
show ip igmp statistics						X
show ip igmp vlan <vid> group <group-address>						X
show ip igmp vlan group port						X

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show ip igmp vlan group source						X
show ip igmp vlan <vid> config						X
show ip igmp [vlan <vid>]						X
show ip igmp vlan <vid> counters						X
show ip igmp vlan <vid> statistics						X
show ip mroute [...]						X
show ip ospf				X		X
show ip ospf area [...]				X		
show ip ospf external-link-state				X		
show ip ospf general				X		
show ip ospf interface [vlan ...]				X		
show ip ospf neighbor				X		
show ip ospf restrict				X		
show ip ospf spf-log [...]				X		
show ip ospf statistics				X		
show ip ospf virtual-link [...]				X		
show ip ospf3				X		
show ip pim						X
show ip pim neighbors						X
show ip pim rpf-override ...						X
show ip rip						X
show ip rip interface						X
show ip route			X			X

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show ip route static						X
show ip source-interface			X			
show ip ssh	X					
show ip-sla <ID>					X	
show ip-sla <ID> history					X	
show ip-sla <ID> message-statistics					X	
show ip-sla responder					X	
show ip-sla responder statistics					X	
show ipv6				X		
show ipv6 dhcp-client				X		
show ipv6 helper-address ...				X		
show ipv6 mld ...				X		
show ipv6 nd				X		
show ipv6 nd ra				X		
show ipv6 nd snooping				X		
show ipv6 nd snooping bindings				X		
show ipv6 nd snooping statistics				X		
show ipv6 neighbors				X		
show ipv6 ospf3 security				X		
show ipv6 pim6 [...]				X		
show ipv6 ripng general				X		
show ipv6 ripng interface				X		
show ipv6 ripng peer				X		

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show ipv6 ripng redistribute				X		
show ipv6 ripng traps				X		
show ipv6 route				X		
show ipv6 route ripng				X		
show ipv6 route summary				X		
show ipv6 routers				X		
show ipv6 source-interface <radius tacacs> <detail status>	X					
show ipv6 source-lockdown	X					
show ipv6 source-lockdown [bindings status]	X				X	
show ipv6 vlan [...]				X		
show job					X	
show job <JOB NAME>					X	
show jumbos					X	
show key-chain						X
show lacp					X	
show lacp counters					X	
show lacp [distributed]					X	
show lacp local					X	
show lacp min-active-links					X	
show lacp peer					X	
show license client-table					X	
show license server-table					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show link-keepalive					X	
show link-keepalive statistics					X	
show lldp config					X	
show lldp info					X	
show lldp info local-device					X	
show lldp info remote-device	X				X	
show lldp info loc port-num					X	
show lldp info remote port-num					X	
show lldp stats					X	
show log tftp					X	
show logging		X			X	
show logging filter	X					
show mac-address [...]					X	
show mac-address detail [...]					X	
show mac-count-notify traps					X	
show macsec policy policy-name	X					
show macsec statisticsport-num	X					
show macsec status	X					
show macsec status port-num	X					
show macsec statistics port-num detail	X					
show management					X	
show modules					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show modules details VSF member <MEMBER-ID>MM1 MM2 slot <SLOT- LIST>					X	
show monitor					X	
show mvrp		X				
show mvrp config		X				
show mvrp state		X				
show mvrp statistics		X				
show name					X	
show net-destination <NAME-STR>	X					
show ntp associations					X	
show ntp associations detail					X	
show ntp authentication					X	
show ntp servers					X	
show ntp statistics					X	
show ntp status					X	
show oobm					X	
show oobm arp					X	
show oobm discovery					X	
show oobm ip					X	
show oobm ipv6					X	
show oobm ipv6 member <MEMBER-LIST>					X	
show oobm ipv6 member <MEMBER-ID>					X	
show oobm VSF member <VSF-MEMBER-LIST>					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show proxy config	X	X	X	X	X	X
show policy					X	
show policy policy-name		X				
show policy ports port-list		X				
show policy resources		X				
show policy vlan vlan-id		X				
show port-access [...]	X				X	
show port-access authenticator clients <port-list>	X					
show port-access authenticator clients <port-list> detailed	X					
show port-access bypass	X					
show port-access bypass config	X					
show port-access bypass clients	X					
show port-access cdp	X					
show port-access cdp-bypass config	X					
show port-access cdp-bypass clients	X					
show port-access clients <port-number> detailed	X				X	
show port-access config	X					
show port-access lldp-bypass clients	X					
show port-access lldp-bypass config	X					
show port-access local-mac	X					
show port-access local-mac active	X					

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show port-access local-mac association	X					
show port-access local-mac config	X					
show port-access local-mac config <port-list> detailed	X					
show port-access local-mac mac-group	X					
show port-access local-mac <port-number>	X					
show port-access local-mac <port-number> client [detailed]	X					
show port-access local-mac profile	X					
show port-access local-mac profile provisioned	X					
show port-access macbased clients	X					
show port-access mac-based config <port-list>	X					
show port-access mka status <port-num>	X					
show port-access mka status statistics	X					
show port-access web-based clients <port-list>					X	
show port-access web-based clients <port-list> detailed	X					
show port-security	X					
show port-security intrusion-log					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show power-over-ethernet [brief [ethernet] <port-list> slot <SLOT-ID- RANGE>]					X	
show pow [brief <port-list>]					X	
show preview-mode features			X			
show qos		X			X	
show qos queue-config		X				
show qos resources		X				
show qos traffic-template <template- name>		X		X		
show qos traffic-template default- tcgt		X				
show qos trust [device] <PORT>		X				
show radius authentication	X					
show radius dyn-authorization	X					
show radius accounting	X					
show radius	X					
show radius host	X					
show rate-limit all					X	
show rate-limit icmp					X	
show rate-limit queues <port-list Trk-list>					X	
show rate-limit unknown-unicast					X	
show redundancy					X	
show reload			X			

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show run				X		
show run est-server	X					
show running-config	X	X	X	X	X	
show running-config interface			X			
show running-config oobm					X	
show running-config router rip bgp ospf ospf3 vrrp ripng				X		
show running-config vlan <id>				X		
show savepower			X			
show security-logging	X					
show servers					X	
show session			X			
show sflow					X	
show sflow agent					X	
show sflow sampling-polling					X	
show snmp					X	
show snmp-server	X				X	
show snmp-server community					X	
show snmp-server <COMMUNITY-STR>					X	
show snmp-server <COMMUNITY-STR> traps				X		
show snmp-server traps					X	
show snmpv3 user					X	
show sntp					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show spanning-tree					X	
show stack		X				
show startup-config					X	
show statistics					X	
show statistics aclv4 my-acl port a1 out	X					
show statistics mac ACL-NAME-STR vlan VLAN-ID in out vlan	X					
show statistics mac ACL-NAME-STR port PORT-NUM	X					
show statistics policy POLICY-NAME-STR port PORT-NUM		X				
show statistics policy POLICY-NAME vlan VLAN-ID		X				
show switch-interconnect					X	
show syslog configuration	X					
show system					X	
show system chassislocate					X	
show system fans					X	
show system chassislocate VSF member <VSF-MEMBER-LIST>					X	
show system fans VSF member <VSF- MEMBER-LIST>					X	
show system information			X		X	
show system memory					X	
show system port member <MEMBER-ID>					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show system post <SLOT>					X	
show system post vsf member <MEMBER-ID>					X	
show system power-supply					X	
show system power-supply [detailed fahrenheit]					X	
show system temperature VSF member <VSF-MEMBER-LIST>					X	
show tacacs host <ip-addr ipv6-addr>	X					
show tcp-push-preserve		X				
show tech					X	
show tech all		X				
show tech custom					X	
show tech dldp			X			
show tech ip-sla					X	
show tech macsec status statistics	X					
show tech mvrp		X				
show tech transceivers					X	
show telnet				X		
show timep				X	X	
show trunks					X	
show trunks load-balance interface trunk-id mac src-addr dest-addr [ip src-addr dest-addr [src-tcp-port src-upd-port [dest-tcp-port dest-upd-port]]] inbound-port port num					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show tunneled-node-server [information statistics <controller> state <controller>]					X	
show tunneled-node-users {all count down mac<MAC- ADDR> port<PORT-ADDR> up}					X	
show uplink-failure-detection					X	
show usb-port					X	
show user-role <ROLE-NAME>[detailed downloaded]	X					
show version			X			
show vlan isolate-list						X
show vlan <reserved-vid>					X	
show vlans	X	X			X	
show vlans ports					X	
show vlans private-vlan		X				
show vlans private-vlan promiscuous- ports		X				
show vlans VLAN-ID[...]	X	X				
show vrrp					X	X
show vrrp config global...						X
show vrrp [ipv6] config [global]						X
show vrrp [ipv6] vlan...						X
show vrrp [ipv6] vlan vid vrid ... statistics						X
show vrrp ipv6 summary						X

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show vrrp summary						X
show vrrp ipv6 statistics						X
show vrrp statistics						X
show vsf					X	
show VSF link					X	
show vsf link utilization					X	
show VSF lldp-mad parameters status					X	
show vsf member <member-ID> link <link-ID> load-balance					X	
show vsf member <member-ID> link <link-ID> detailed					X	
show vsf topology					X	
show vsf topology change-history					X	
show vsf topology detail					X	
show vsf vlan-mad					X	
show vxlan		X				
show web-management			X			
snmpv3						
snmpv3 notify					X	
snmpv3 targetaddress				X	X	
snmp-server	X					
snmp-server <contact location>			X			
snmp-server enable traps					X	
snmp-server enable traps dhcp-server					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
snmp-server enable traps dhcpv6-snooping [out-of-resources errant-reply]	X					
snmp-server enable traps dyn-ipv6-lockdown	X					
snmp-server enable traps dyn-ipv6-lockdown [out-of-resources violations]	X					
snmp-server enable traps link-change					X	
snmp-server enable traps mac-count-notify					X	
snmp-server enable traps nd-snooping out-of-resources violations				X		
snmp-server host				X		
snmp-server response-source					X	
snmp-server trap-source					X	
sntp					X	
sntp server priority...				X		
spanning tree		X				
spanning-tree instance <1-64>		X				
spanning-tree instance <1-64>ethernet <PORT-LIST>		X				
spanning-tree instance ist <1-64>		X				
spanning-tree instance ist <1-64> vlan <VLAN-ID>		X				
spanning-tree log state-transitions instance <1-64> ist vlan		X				
speed-duplex					X	

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
spf-throttle start-interval						X
stack		X				
stacking member <STACK-MEMBER> flexible-module <MODULE-NUM> remove		X				
stacking member <STACK-MEMBER> flexible-module <MODULE-NUM> type <J- NUMBER>		X				
startup-default			X			
static		X				
static-bind ip <IP-ADDR/MASK-LENGTH> mac <MAC-ADDR>					X	
static-vlan		X				
svlan		X				
switch-interconnect [<port-list> <trk1 trk2 ...trkN>]					X	
sys-debug acl	X					
sys-debug <DESTINATION> [logging buffer]						X
sys-debug <FILTER-TYPE> <FILTER-OPTIONS>	X					X
sys-debug ip fib blackhole						X

'T' Commands

'T' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
tacacs	X					
tacacs-server	X					

'T' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
tacacs-server host <IP-ADDR IPv6-ADDR FDQN> [key <KEY-STR>] [oobm]	X					
tacacs-server-key	X					
TACACS AAA	X					
task-monitor						
task-monitor cpu					X	
tcp	X					
tcp-push-preserve		X				
telnet		X	X			
telnet global-unicast-addr				X		
telnet ip-address					X	
telnet link-local-addr				X		
telnet-server			X		X	
telnet-server [listen...]				X		
test cable-diagnostics					X	
tftp						
tftp client				X	X	
tftp local-certificate	X					
tftp ta-certificate	X					
tftp-server server-ip <ip-address>					X	
tftp-server [server-name <server- name> server-ip <ip-address>]					X	
time			X			
time daylight-time-rule			X			

'T' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
time timezone			X			
timesync				X	X	
timesync ntp					X	
timesync timep					X	
tls application	X					
traceroute					X	
traceroute6					X	
traceroute6 [ipv6-addr hostname]				X		
traceroute6 [link-local-addr...]				X		
track interface						X
track vlan...						X
trap [trap-name all]						X
trunk <port-list> <trk1 trk2 trkN> [trunk lacp dt-lacp dt-trunk]					X	
trunk settings					X	
trunk-load-balance					X	
tunnel destination				X		
tunnel destination <IP-ADDR IPV6- ADDR>					X	
tunnel id				X		
tunnel mode				X		
tunnel mode unspecified 6in4 vxlan			X			
tunnel mtu				X		
tunnel-node server[...]	X					

'T' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
tunneled-node-server-redirect {secondary-role <ROLE-NAME>}					X	
tunneled-node-server mode role- based reserved-vlan <VLAN-ID>					X	
tunnel source				X		
tunnel source <IP-ADDR>					X	
tunnel tos				X		
tunnel ttl				X		

'U' commands

'U' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
udp	X					
unauthentication request	X					
unauth-redirect	X					
unauth-vid	X					
usb port					X	
user-role vlan-id-tagged [<VLAN-ID> <VLAN-STR>]	X					
user-role vlan-id <VLAN-ID>	X					
uplink-failure-detection					X	
uplink-failure-detection track <track_ID> links-to-monitor <port- list> links-to-disable <port-list> delay <delay_value>					X	

'V' Commands

'V' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
verify signature flash	X					
virtual-ip-address ip-addr						X
virtual-ip-ping enabled						X
virtual-network VN-IDVLAN-IDVN-NAME					X	
vlan <vid>					X	
vlan <vid> igmp						X
vlan <vid> isolate-list						X
vlan <vid> ip igmp						X
vlan <vid> ip igmp fastleave <port-list>						X
vlan <vid> ip igmp forcedfastleave <port-list>						X
vlan <vid> ip igmp querier						X
vlan <vid> ip igmp query interval <Query-interval time>						X
vlan <vid> ip igmp static-group <group-address>						X
vlan <vid> ip ospf						X
vlan <vid> ip pim-dense						X
vlan <vid> ip pim-sparse						X
vlan <vid> ipv6 access-group				X		
vlan <vid> ipv6 ospf3				X		
vlan <vid> ipv6 ripng				X		
vlan <vid> jumbo					X	

'V' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
vlan <vid> private-vlan isolated <vid> community VLAN-ID-LIST		X				
vlan <vid> private-vlan primary		X				
vlan <vid-list>		X				
vlan-id <VLAN-ID>					X	
vlan-id-tagged {<VLAN-ID> <VLAN-STR>}					X	
vrrp ipv6 vrid						X
vrrp vrid						X
vsf port-speed <Speed>					X	
vsf sequence-reboot {primary secondary}					X	
vsf vlan-mad <VLAN-ID>					X	
vxlan disable		X				
vxlan enable		X				
vxlan tunnel <TUNNEL-ID> overlay- vlan <VLAN-ID-LIST>		X				
vxlan udp <PORT-NUM>		X				

'W' to 'Z' commands

'W' to 'Z' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
walkmib ifPhysAddress					X	
web-based config	X					
web-management			X		X	
web-management ssl	X					

'W' to 'Z' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
write memory			X			
write terminal			X		X	
zone-service-policy		X				