



CHAPTER 6

Support Information for Cisco Switches

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco switches in Cisco ANA Version 3.7. For more information about the objects and attributes described in this chapter, see Part 2, Technology Support and Information Objects.

This chapter contains the following topics:

- [Cisco Catalyst 2900 Series Switches, page 6-2](#)
- [Cisco ME 3400 Series Ethernet Access Switches, page 6-4](#)
- [Cisco Catalyst 3500 XL Series Switches, page 6-8](#)
- [Cisco Catalyst 3550 Series Switches, page 6-10](#)
- [Cisco Catalyst 3560 Series Switches, page 6-12](#)
- [Cisco Catalyst 3750 Series Switches, page 6-15](#)
- [Cisco Catalyst 3750 Metro Series Switches, page 6-17](#)
- [Cisco Catalyst 4000 Series Switches, page 6-21](#)
- [Cisco Catalyst 4500 Series Switches, page 6-25](#)
- [Cisco Catalyst 4900 Series Switches, page 6-32](#)
- [Cisco ME 4900 Series Ethernet Switch, page 6-37](#)
- [Cisco Catalyst 5000 Series Switches, page 6-41](#)
- [Cisco Catalyst 6500 Series \(CatOS\) Switches, page 6-43](#)
- [Cisco Catalyst 6500 Series \(IOS\) Switches, page 6-48](#)
- [Cisco ME 6500 Series Ethernet Switches \(6524\), page 6-59](#)
- [Supported Technologies on Cisco Switches, page 6-64](#)

Cisco Catalyst 2900 Series Switches

This section includes the following information about Cisco Catalyst 2900 Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 2900 Series Switches](#)):

- [Cisco Catalyst 2900 Series—Supported Software Versions, page 6-2](#)
- [Cisco Catalyst 2900 Series—Supported Topologies, page 6-2](#)
- [Cisco Catalyst 2900 Series—Supported Modules, page 6-3](#)
- [Cisco Catalyst 2900 Series—Supported Technologies, page 6-3](#)
- [Cisco Catalyst 2900 Series—Supported Service Events, page 6-4](#)
- [Cisco Catalyst 2900 Series—Supported Commands, page 6-4](#)

Cisco Catalyst 2900 Series—Supported Software Versions

Table 6-1 *Supported Software Versions for Cisco Catalyst 2900 Series—Cisco ANA Version 3.7*

Software Version	ANA Version
12.0(5)WC17	3.6.2
12.1(22)EA8	3.6.2
12.1(22)EA8a	3.6.2
12.2(25)FX	3.6.0
CatOS 9.00.04	3.6.0

Cisco Catalyst 2900 Series—Supported Topologies

Table 6-2 *Supported Topologies for Cisco Catalyst 2900 Series—Cisco ANA Version 3.7*

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.0

Cisco Catalyst 2900 Series—Supported Modules

Table 6-3 *Supported Modules for Cisco Catalyst 2900 Series—Cisco ANA Version 3.7*

Module Name	ANA Version	Module Description
WS-C2912-XL	3.6.0	12 fixed autosensing 10/100 ports
WS-C2924M-XL	3.6.0	24 fixed autosensing 10/100 ports 2 expansion slots
WS-C2948G	3.6.0	48 10/100 ports and 2 fixed, gigabit interface converter (GBIC)-based 1000BASE-X uplink ports 1.5 RU switch Catalyst OS installed
WS-X2948	3.6.0	Switching Supervisor

Cisco Catalyst 2900 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 2900 Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [LLDP](#), page 6-92
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94
- [REP](#), page 6-94

Cisco Catalyst 2900 Series—Supported Service Events

Table 6-4 *Supported Service Events for Cisco Catalyst 2900 Series—Cisco ANA Version 3.7*

Event Name	ANA Version	Expedited
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Card Up/Down	3.6.0	Y

Cisco Catalyst 2900 Series—Supported Commands

Table 6-5 *Supported Commands for Cisco Catalyst 2900 Series—Cisco ANA Version 3.7*

Command	ANA Version
Show REP Segment Information	3.7

Cisco ME 3400 Series Ethernet Access Switches

This section includes the following information about Cisco ME 3400 Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco ME 3400 Series Ethernet Access Switches](#)):

- [Cisco ME 3400 Series—Supported Software Versions](#), page 6-5
- [Cisco ME 3400 Series—Supported Topologies](#), page 6-6
- [Cisco ME 3400 Series—Supported Modules](#), page 6-6
- [Cisco ME 3400 Series—Supported Technologies](#), page 6-7
- [Cisco ME 3400 Series—Supported Service Events](#), page 6-7
- [Cisco ME 3400 Series—Supported Commands](#), page 6-8

Cisco ME 3400 Series—Supported Software Versions

Table 6-6 Supported Software Versions for Cisco ME 3400 Series—Cisco ANA Version 3.7

Software Version	ANA Version
12.2(0.0.48)EY	3.6.5 ¹
12.2(25)SEG	3.6.1
12.2(35)SE	3.6.1 ²
12.2(35)SE1	3.6.1 ³
12.2(35)SE3	3.6.1 ⁴
12.2(35)SE4	3.6.4 ⁵
12.2(37)SE	3.6.3 ⁶
12.2(37)SE1	3.6.4 ⁷
12.2(44)EY	3.6.5 ⁸
12.2(44)EY4	3.6.5 ⁹
12.2(44)SE	3.6.3 ¹⁰
12.2(44)SE1	3.6.4 ¹¹
12.2(46)SE	3.6.4 ¹²
12.2(50)SE	3.6.6 ¹³
12.2(50)SE1	3.7 ¹⁴
12.2(52)SE	3.6.7 ¹⁵
12.2(53)SE	3.7 ¹⁶
12.3(22)S	3.6.1 ¹⁷
12.3(23)	3.6.1 ¹⁸
12.3(23)S1	3.6.1 ¹⁹
12.3(23)S2	3.6.1 ²⁰
12.3(23)S3	3.6.1 ²¹

^{1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 17, 18, 19, 20, 21} ANA models pluggable ports for this IOS version.

⁹ Tested with modified version of 12.2(44)EY. ANA models pluggable ports for this IOS version.

^{14, 15, 16} ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco ME 3400 Series—Supported Topologies

Table 6-7 Supported Topologies for Cisco ME 3400 Series—Cisco ANA Version 3.7

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.1
Physical Layer	Physical Layer	3.6.1
LAG	LAG	3.6.1

Cisco ME 3400 Series—Supported Modules

Table 6-8 Supported Modules for Cisco ME 3400 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
GLC-EX-SMD	3.6.7	1000BASE-EX extended SFP transceiver module
GLC-FE-100FX	3.6.7	100BaseFX-SFP module for 100 MB ports, 1310 -nm wavelength ,2 Km over MMF
GLC-FE-100LX	3.6.7	100BaseLX10-SFP module for 100 MB ports, 1310 -nm wavelength ,10 Km over SMF
GLC-LH-SM	3.6.4	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
GLC-ZX-SM	3.7	Contains a Class 1 laser of 1550 nm for 1000BASE-ZX (extended wavelength) applications
ME340X-PWR-AC	3.6.7	AC power supply and fan module for ME-3400E-24TS-M and ME-3400EG-12CS-M
SFP-GE-L	3.6.4	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support
SFP-GE-S	3.6.7	1000BASE-Sx Short wavelength gigabit ethernet SFP.
SFP-GE-Z	3.6.7	1000BASE-Zx Extended reach gigabit ethernet SFP.

Cisco ME 3400 Series—Supported Technologies

The following technologies are supported by the Cisco ME 3400 Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Routing Protocols](#), page 6-67
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [ACL](#), page 6-85
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [Additional Technologies](#), page 6-89
- [LLDP](#), page 6-92
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [REP](#), page 6-94
- [CFM](#), page 6-95

Cisco ME 3400 Series—Supported Service Events

Table 6-9 *Supported Service Events for Cisco ME 3400 Series—Cisco ANA Version 3.7*

Event Name	ANA Version	Expedited
Link Down/Up	3.6.1	Y
Device Unreachable	3.6.1	N
CPU Over Utilized	3.6.1	N
Memory Over Utilized	3.6.1	N
Device Unsupported	3.6.1	N
Discard Packets	3.6.1	N
Dropped Packets	3.6.1	N
Module Unsupported	3.6.1	N
Port Flapping	3.6.1	N
Port Down	3.6.1	Y
Rx Over Utilized	3.6.1	N
Tx Over Utilized	3.6.1	N
Card Up/Down	3.6.1	Y
CFM Domain Fault	3.7	N

Cisco ME 3400 Series—Supported Commands

Table 6-10 *Supported Commands for Cisco ME 3400 Series—Cisco ANA Version 3.7*

Command	ANA Version
Configure CFM Maintenance Domain	3.7
Configure CFM Global Parameters	3.7
Configure CFM MIP	3.7
Configure CFM Continuity Check	3.7
Configure CFM Service ID	3.7
Configure CFM MEP	3.7
Enable CFM Continuity Check	3.7
Enable CFM SNMP Server Traps	3.7
Diagnose CFM with Show MEP Status	3.7
Diagnose CFM with Show MEP Crosscheck Status	3.7
Diagnose CFM with Ping Remote MEP with MAC	3.7
Diagnose CFM with Ping Remote MEP with MPID	3.7
Diagnose CFM with Ping Remote MEP with Multicast	3.7
Diagnose CFM with Traceroute Remote MEP with MAC	3.7
Diagnose CFM with Traceroute Remote MEP with MPID	3.7
Show REP Segment Information	3.7

Cisco Catalyst 3500 XL Series Switches

This section includes the following information about Cisco Catalyst 3500 XL Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 3500 XL Series Switches](#)):

- [Cisco Catalyst 3500 XL Series—Supported Software Versions, page 6-9](#)
- [Cisco Catalyst 3500 XL Series—Supported Topologies, page 6-9](#)
- [Cisco Catalyst 3500 XL Series—Supported Modules, page 6-9](#)
- [Cisco Catalyst 3500 XL Series—Supported Technologies, page 6-9](#)
- [Cisco Catalyst 3500 XL Series—Supported Service Events, page 6-10](#)
- [Cisco Catalyst 3500 XL Series—Supported Commands, page 6-10](#)

Cisco Catalyst 3500 XL Series—Supported Software Versions

Table 6-11 *Supported Software Versions for Cisco Catalyst 3500 XL Series—Cisco ANA Version 3.7*

Software Version	ANA Version
Cat IOS 12.0(5)WC9a	3.6.0

Cisco Catalyst 3500 XL Series—Supported Topologies

Table 6-12 *Supported Topologies for Cisco Catalyst 3500 XL Series—Cisco ANA Version 3.7*

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco Catalyst 3500 XL Series—Supported Modules

Table 6-13 *Supported Modules for Cisco Catalyst 3500 XL Series—Cisco ANA Version 3.7*

Module Name	ANA Version	Module Description
C3K-BLWR-60CFM	3.6.4	Fan Module for the Catalyst 3750-E and 3560-E Series

Cisco Catalyst 3500 XL Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3500 XL Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94
- [REP](#), page 6-94

Cisco Catalyst 3500 XL Series—Supported Service Events

Table 6-14 Supported Service Events for Cisco Catalyst 3500 XL Series—Cisco ANA Version 3.7

Event Name	ANA Version	Expedited
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Discard Packets	3.6.0	N
Dropped Packets	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Rx Over Utilized	3.6.0	N
Tx Over Utilized	3.6.0	N
VPN Leak	3.6.0	N
Card Up/Down	3.6.0	Y

Cisco Catalyst 3500 XL Series—Supported Commands

Table 6-15 Supported Commands for Cisco Catalyst 3500 XL Series—Cisco ANA Version 3.7

Command	ANA Version
Show REP Segment Information	3.7

Cisco Catalyst 3550 Series Switches

This section includes the following information about Cisco Catalyst 3550 Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 3550 Series Switches](#)):

- [Cisco Catalyst 3550 Series—Supported Software Versions](#), page 6-11
- [Cisco Catalyst 3550 Series—Supported Topologies](#), page 6-11
- [Cisco Catalyst 3550 Series—Supported Technologies](#), page 6-11
- [Cisco Catalyst 3550 Series—Supported Service Events](#), page 6-12
- [Cisco Catalyst 3550 Series—Supported Commands](#), page 6-12

Cisco Catalyst 3550 Series—Supported Software Versions

Table 6-16 Supported Software Versions for Cisco Catalyst 3550 Series—Cisco ANA Version 3.7

Software Version	ANA Version
12.1(11)EA	3.6.1
12.1(12c)EA1	3.6.1
12.1(13)EA	3.6.1
12.1(14)AX3	3.6.1
12.1(14)EA1	3.6.1
12.1(19)EA	3.6.1
12.1(20)EA	3.6.1
12.1(22)EA	3.6.1
12.1(22)EA6	3.6.1
12.1(22)EA8a	3.6.1

Cisco Catalyst 3550 Series—Supported Topologies

Table 6-17 Supported Topologies for Cisco Catalyst 3550 Series—Cisco ANA Version 3.7

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.0

Cisco Catalyst 3550 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3550 Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [Additional Technologies](#), page 6-89
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94
- [REP](#), page 6-94

Cisco Catalyst 3550 Series—Supported Service Events

Table 6-18 Supported Service Events for Cisco Catalyst 3550 Series—Cisco ANA Version 3.7

Event Name	ANA Version	Expedited
All IP Interfaces Down / Active IP Interfaces Found	3.6.0	Y
Interface Status Down/Up	3.6.0	Y
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Cloud Problem	3.6.0	N
Card Up/Down	3.6.0	Y

Cisco Catalyst 3550 Series—Supported Commands

Table 6-19 Supported Commands for Cisco Catalyst 3550 Series—Cisco ANA Version 3.7

Command	ANA Version
Show REP Segment Information	3.7

Cisco Catalyst 3560 Series Switches

This section includes the following information about Cisco Catalyst 3560 Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 3560 Series Switches](#)):

- [Cisco Catalyst 3560 Series—Supported Software Versions](#), page 6-13
- [Cisco Catalyst 3560 Series—Supported Topologies](#), page 6-13
- [Cisco Catalyst 3560 Series—Supported Modules](#), page 6-14
- [Cisco Catalyst 3560 Series—Supported Technologies](#), page 6-14
- [Cisco Catalyst 3560 Series—Supported Service Events](#), page 6-15
- [Cisco Catalyst 3560 Series—Supported Commands](#), page 6-15

Cisco Catalyst 3560 Series—Supported Software Versions

Table 6-20 Supported Software Versions for Cisco Catalyst 3560 Series—Cisco ANA Version 3.7

Software Version	ANA Version
12.1(13)EA1a	3.6.0
12.1(14)EA1a	3.6.0
12.1(22)EA1	3.6.2
12.1(22)EA5	3.6.1
12.1(22)EA8a	3.6.1
12.1(25)EW	3.6.0
12.1(6)EA1a	3.6.0
12.2(25)SEC	3.6.2
12.2(25)SEC2	3.6.2
12.2(25)SED	3.6.0
12.2(25)SEE2	3.6.1

Cisco Catalyst 3560 Series—Supported Topologies

Table 6-21 Supported Topologies for Cisco Catalyst 3560 Series—Cisco ANA Version 3.7

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.0

Cisco Catalyst 3560 Series—Supported Modules

Table 6-22 *Supported Modules for Cisco Catalyst 3560 Series—Cisco ANA Version 3.7*

Module Name	ANA Version	Module Description
C3K-BLWR-60CFM	3.6.4	Fan Module for the Catalyst 3750-E and 3560-E Series
WS-C3560-24PS	3.6.1	24 Ethernet 10/100 ports and 2 SFP-based Gigabit Ethernet ports
WS-C3560-48PS	3.6.0	48 Ethernet 10/100 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560-48TS	3.6.2	48 Ethernet 10/100 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-24PS	3.6.1	24 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-24TS	3.6.1	24 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-48PS	3.6.1	48 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-48TS	3.6.0	48 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports

Cisco Catalyst 3560 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3560 Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Routing Protocols](#), page 6-67
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [VPN](#), page 6-82
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [Additional Technologies](#), page 6-89
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94
- [REP](#), page 6-94

Cisco Catalyst 3560 Series—Supported Service Events

Table 6-23 Supported Service Events for Cisco Catalyst 3560 Series—Cisco ANA Version 3.7

Event Name	ANA Version	Expedited
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Discard Packets	3.6.0	N
Dropped Packets	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Rx Over Utilized	3.6.0	N
Tx Over Utilized	3.6.0	N
VPN Leak	3.6.0	N
Cloud Problem	3.6.0	N
Card Up/Down	3.6.0	Y

Cisco Catalyst 3560 Series—Supported Commands

Table 6-24 Supported Commands for Cisco Catalyst 3560 Series—Cisco ANA Version 3.7

Command	ANA Version
Show REP Segment Information	3.7

Cisco Catalyst 3750 Series Switches

This section includes the following information about Cisco 3750 Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 3750 Series Switches](#)):

- [Cisco 3750 Series—Supported Software Versions](#), page 6-16
- [Cisco 3750 Series—Supported Topologies](#), page 6-16
- [Cisco 3750 Series—Supported Technologies](#), page 6-16
- [Cisco 3750 Series—Supported Service Events](#), page 6-17
- [Cisco 3750 Series—Supported Commands](#), page 6-17

Cisco 3750 Series—Supported Software Versions

Table 6-25 *Supported Software Versions for Cisco 3750 Series—Cisco ANA Version 3.7*

Software Version	ANA Version
12.2(25)EY3	3.6.0
12.2(25)SEC2	3.6.2
12.2(52)SE	3.6.7
12.2(50)SE	3.6.7

Cisco 3750 Series—Supported Topologies

Table 6-26 *Supported Topologies for Cisco 3750 Series—Cisco ANA Version 3.7*

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco 3750 Series—Supported Technologies

The following technologies are supported by the Cisco 3750 Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [LLDP](#), page 6-92
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94
- [REP](#), page 6-94

Cisco 3750 Series—Supported Service Events

Table 6-27 Supported Service Events for Cisco 3750 Series—Cisco ANA Version 3.7

Event Name	ANA Version	Expedited
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Discard Packets	3.6.0	N
Dropped Packets	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Rx Over Utilized	3.6.0	N
Tx Over Utilized	3.6.0	N
Card Up/Down	3.6.0	Y

Cisco 3750 Series—Supported Commands

Table 6-28 Supported Commands for Cisco 3750 Series—Cisco ANA Version 3.7

Command	ANA Version
Show REP Segment Information	3.7

Cisco Catalyst 3750 Metro Series Switches

This section includes the following information about Cisco Catalyst 3750 Metro Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 3750 Metro Series Switches](#)):

- [Cisco Catalyst 3750 Metro Series—Supported Software Versions](#), page 6-18
- [Cisco Catalyst 3750 Metro Series—Supported Topologies](#), page 6-18
- [Cisco Catalyst 3750 Metro Series—Supported Modules](#), page 6-19
- [Cisco Catalyst 3750 Metro Series—Supported Technologies](#), page 6-19
- [Cisco Catalyst 3750 Metro Series—Supported Service Events](#), page 6-20
- [Cisco 3750 Metro Series—Supported Commands](#), page 6-21

Cisco Catalyst 3750 Metro Series—Supported Software Versions

Table 6-29 *Supported Software Versions for Cisco Catalyst 3750 Metro Series—Cisco ANA Version 3.7*

Software Version	ANA Version
12.2(25)EY*	3.6.3 ¹
12.2(25)EY3	3.6.3 ²
12.2(25)SEB4	3.6.3 ³
12.2(25)SEG1	3.6.3 ⁴
12.2(35)SE	3.6.3 ⁵
12.2(37)SE*	3.6.3 ⁶
12.2(37)SE1	3.6.3 ⁷
12.2(40)SE	3.6.3 ⁸
12.2(44)SE1	3.6.3 ⁹
12.2(46)SE	3.6.4 ¹⁰
12.2(50)SE	3.6.6 ¹¹
12.2(52)SE	3.6.7 ¹²
12.2(53)SE	3.7 ¹³

^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}ANA models pluggable ports for this IOS version.

^{11, 12, 13}ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco Catalyst 3750 Metro Series—Supported Topologies

Table 6-30 *Supported Topologies for Cisco Catalyst 3750 Metro Series—Cisco ANA Version 3.7*

Topology Type	Link Type	ANA Version
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
MPLS	MPLS	3.6.0
PPP/HDLC	PPP or HDLC	3.6.0
LAG	LAG	3.6.3

Cisco Catalyst 3750 Metro Series—Supported Modules

Table 6-31 Supported Modules for Cisco Catalyst 3750 Metro Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
CATALYST375024ME	3.6.0	Metro Ethernet Catalyst 3750 Module. 24-10/100 + 2 SFP (Small Formfactor Pluggable) ports for downlinks
GLC-EX-SMD	3.6.7	1000BASE-EX extended SFP transceiver module
GLC-LH-SM	3.6.5	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
PWR-ME3750-AC	3.7	Primary AC power supply
PWR-ME3750-DC	3.7	Primary DC power supply
SFP-GE-L	3.6.5	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support

Cisco Catalyst 3750 Metro Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3750 Metro Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Routing Protocols](#), page 6-67
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [MPLS](#), page 6-79
- [MPLS TE](#), page 6-81
- [VPN](#), page 6-82
- [PWE3](#), page 6-84
- [ACL](#), page 6-85
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [Additional Technologies](#), page 6-89
- [Local Switching](#), page 6-90
- [BFD](#), page 6-90
- [LLDP](#), page 6-92
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94

- [REP, page 6-94](#)
- [CFM, page 6-95](#)

Cisco Catalyst 3750 Metro Series—Supported Service Events

Table 6-32 *Supported Service Events for Cisco Catalyst 3750 Metro Series—Cisco ANA Version 3.7*

Event Name	ANA Version	Expedited
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Discard Packets	3.6.0	N
Dropped Packets	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Rx Over Utilized	3.6.0	N
Tx Over Utilized	3.6.0	N
BGP Neighbor Down	3.6.0	Y
Card Up/Down	3.6.0	Y
Keepalive set	3.7	N
Keepalive not set	3.7	N
CFM Domain Fault	3.7	N

Cisco 3750 Metro Series—Supported Commands

Table 6-33 *Supported Commands for Cisco 3750 Metro Series—Cisco ANA Version 3.7*

Command	ANA Version
Configure CFM Maintenance Domain	3.7
Configure CFM Global Parameters	3.7
Configure CFM MIP	3.7
Configure CFM Continuity Check	3.7
Configure CFM Service ID	3.7
Configure CFM MEP	3.7
Enable CFM Continuity Check	3.7
Enable CFM SNMP Server Traps	3.7
Diagnose CFM with Show MEP Status	3.7
Diagnose CFM with Show MEP Crosscheck Status	3.7
Diagnose CFM with Ping Remote MEP with MAC	3.7
Diagnose CFM with Ping Remote MEP with MPID	3.7
Diagnose CFM with Ping Remote MEP with Multicast	3.7
Diagnose CFM with Traceroute Remote MEP with MAC	3.7
Diagnose CFM with Traceroute Remote MEP with MPID	3.7
Show REP Segment Information	3.7

Cisco Catalyst 4000 Series Switches

This section includes the following information about Cisco Catalyst 4000 Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 4000 Series Switches](#)):

- [Cisco Catalyst 4000 Series—Supported Software Versions, page 6-22](#)
- [Cisco Catalyst 4000 Series—Supported Topologies, page 6-22](#)
- [Cisco Catalyst 4000 Series—Supported Modules, page 6-22](#)
- [Cisco Catalyst 4000 Series—Supported Technologies, page 6-24](#)
- [Cisco Catalyst 4000 Series—Supported Service Events, page 6-24](#)
- [Cisco Catalyst 4000 Series—Supported Commands, page 6-24](#)

Cisco Catalyst 4000 Series—Supported Software Versions

Table 6-34 Supported Software Versions for Cisco Catalyst 4000 Series—Cisco ANA Version 3.7

Software Version	ANA Version
IOS 12.1(12c)EW1	3.6.0 ¹
IOS 12.2(20)EWA1	3.6.0 ²
IOS 12.2(25)SG	3.6.0 ³
IOS 12.2(31)SGA2	3.6.2 ⁴
IOS 12.2(50)SG1	3.6.7 ⁵
IOS 12.2(52)SG	3.6.7 ⁶
IOS 12.2(53)SG	3.7 ⁷

^{1, 2, 3, 4}ANA models pluggable ports for this IOS version.

^{5, 6, 7}ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco Catalyst 4000 Series—Supported Topologies

Table 6-35 Supported Topologies for Cisco Catalyst 4000 Series—Cisco ANA Version 3.7

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco Catalyst 4000 Series—Supported Modules

Table 6-36 Supported Modules for Cisco Catalyst 4000 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
CWDM-SFP-1470	3.6.0	CWDM SFP 1470 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1490	3.6.0	CWDM SFP 1490 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1510	3.6.0	CWDM SFP 1510 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530	3.6.0	CWDM SFP 1530 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1550	3.6.0	CWDM SFP 1550 nm, Gigabit Ethernet and 1G/2G FC

Table 6-36 Supported Modules for Cisco Catalyst 4000 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
CWDM-SFP-1570	3.6.0	CWDM SFP 1570 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590	3.6.0	CWDM SFP 1590 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1610	3.6.0	CWDM SFP 1610 nm, Gigabit Ethernet and 1G/2G FC
WS-U4504-FX-MT	3.6.0	FE Uplink Daughter Card, 4-port 100FX (MTRJ)
WS-X4014	3.6.0	Catalyst 4006 Supervisor 3, Spare
WS-X4124-FX-MT	3.6.0	FE Switching Module, 24-port 100FX (MTRJ)
WS-X4148-FX-MT	3.6.0	FE Switching Module, 48-100FX MMF (MTRJ)
WS-X4148-RJ	3.6.0	10/100 Fast Ethernet Module, 48 Ports (RJ-45)
WS-X4148-RJ21	3.6.0	Telco switch module, 48-port 10/100 (4xRJ21)
WS-X4148-RJ45V	3.6.0	Inline Power 10/100, 48-port (RJ45)
WS-X4232-GB-RJ	3.6.0	E/FE/GE Module, 2-GE (GBIC), 32-10/100 FE (RJ-45)
WS-X4232-RJ-XX	3.6.0	FE Base Module, 32-10/100(RJ45)+ Modular Uplink slot
WS-X4248-RJ21V	3.6.0	48-port PoE 10/100 BASE-TX switching module
WS-X4248-RJ45V	3.6.0	48-port PoE 10/100BASE-TX switching module
WS-X4302-GB	3.6.0	2-port 1000BASE-X (GBIC) Gigabit Ethernet
WS-X4306-GB	3.6.0	Gigabit Ethernet Module, 6 Ports (GBIC)
WS-X4412-2GB-T	3.6.0	GE Module, 12-1000T (RJ45)+2-1000X (GBIC Slot)
WS-X4418-GB	3.6.0	GE Module, Server Switching 18 Ports (GBIC)
WS-X4424-GB-RJ45	3.6.0	24-port 10/100/1000BASE-T Gigabit Ethernet switching module
WS-X4424-GB-RJ-45	3.6.0	24 port 10/100/1000 Auto-Sensing Module (RJ45)
WS-X4448-GB-LX	3.6.0	48-port 1000BASE-LX (SFP included) Gigabit Ethernet switching module
WS-X4448-GB-RJ45	3.6.0	48 port 10/100/1000 Auto-Sensing Module (RJ45)
WS-X4548-GB-RJ45	3.6.0	48-port Gigabit Ethernet 10/100/1000BASE-T switching module
WS-X4548-GB-RJ45V	3.6.0	48-port PoE 10/100/1000BASE-T switching module

Cisco Catalyst 4000 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 4000 Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94
- [REP](#), page 6-94

Cisco Catalyst 4000 Series—Supported Service Events

Table 6-37 *Supported Service Events for Cisco Catalyst 4000 Series—Cisco ANA Version 3.7*

Event Name	ANA Version	Expedited
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Card Up/Down	3.6.0	Y

Cisco Catalyst 4000 Series—Supported Commands

Table 6-38 *Supported Commands for Cisco Catalyst 4000 Series—Cisco ANA Version 3.7*

Command	ANA Version
Show REP Segment Information	3.7

Cisco Catalyst 4500 Series Switches

This section includes the following information about Cisco Catalyst 4500 Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 4500 Series Switches](#)):

- [Cisco Catalyst 4500 Series—Supported Software Versions](#), page 6-25
- [Cisco Catalyst 4500 Series—Supported Topologies](#), page 6-26
- [Cisco Catalyst 4500 Series—Supported Modules](#), page 6-26
- [Cisco Catalyst 4500 Series—Supported Technologies](#), page 6-31
- [Cisco Catalyst 4500 Series—Supported Service Events](#), page 6-31
- [Cisco Catalyst 4500 Series—Supported Commands](#), page 6-32

Cisco Catalyst 4500 Series—Supported Software Versions

Table 6-39 *Supported Software Versions for Cisco Catalyst 4500 Series—Cisco ANA Version 3.7*

Software Version	ANA Version
12.1(13)EW	3.6.0
12.2(20)EWA	3.6.0 ¹
12.2(25)EWA14	3.6.6 ²
12.2(31)SGA2	3.6.2 ³
12.2(50)SG1	3.6.7 ⁴
12.2(52)SG	3.6.6 ⁵
12.2(52)XO	3.6.7 ⁶
12.2(53)SG	3.7 ⁷
12.1(12c)EW1	3.6.0 ⁸
12.2(20)EWA1	3.6.0 ⁹
12.2(25)SG	3.6.0 ¹⁰

^{1, 2, 3, 6, 8, 9, 10}ANA models pluggable ports for this IOS version.

^{4, 5, 7}ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco Catalyst 4500 Series—Supported Topologies

Table 6-40 Supported Topologies for Cisco Catalyst 4500 Series—Cisco ANA Version 3.7

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.0
Framerelay	Framerelay	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco Catalyst 4500 Series—Supported Modules

Table 6-41 Supported Modules for Cisco Catalyst 4500 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
CWDM-SFP-1550	3.7	Cisco 10GBASE-ZR X2 Module for SMF
DWDM-X2-30.33=	3.7	Cisco 10GBASE-SR X2 Module for MMF
DWDM-X2-31.12=	3.7	Cisco Catalyst 4500 E-Series 48-Port Premium PoE 10/100/1000
DWDM-X2-31.90=	3.7	Cisco Catalyst 4500 E-Series 48-Port 802.3af PoE and PoEP-ready 10/100/1000 (RJ-45)
DWDM-X2-32.68=	3.7	10GBASE-CX4 X2 Module
DWDM-X2-34.25=	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength
DWDM-X2-35.04=	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
DWDM-X2-35.82=	3.7	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength
DWDM-X2-36.61=	3.7	100BASE-BX10-U SFP
DWDM-X2-38.19=	3.7	100BASE-BX10-D SFP
DWDM-X2-38.98=	3.7	100BASE-ZX SFP module for 100-MB ports, 1550 nm wavelength, 80 km over SMF
DWDM-X2-39.77=	3.7	100BASE-LX10 SFP for Fast Ethernet SFP ports
DWDM-X2-40.56=	3.7	Cisco 1000BASE-T GBIC
DWDM-X2-42.14=	3.7	10GBASE-DWDM 1560.61 nm X2 (100-GHz ITU grid)
DWDM-X2-42.94=	3.7	10GBASE-DWDM 1530.33 nm X2 (100-GHz ITU grid)
DWDM-X2-43.73=	3.7	10GBASE-DWDM 1531.12 nm X2 (100-GHz ITU grid)

Table 6-41 Supported Modules for Cisco Catalyst 4500 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
DWDM-X2-44.53=	3.7	10GBASE-DWDM 1531.90 nm X2 (100-GHz ITU grid)
DWDM-X2-46.12=	3.7	10GBASE-DWDM 1532.68 nm X2 (100-GHz ITU grid)
DWDM-X2-46.92=	3.7	10GBASE-DWDM 1534.25 nm X2 (100-GHz ITU grid)
DWDM-X2-47.72=	3.7	10GBASE-DWDM 1535.04 nm X2 (100-GHz ITU grid)
DWDM-X2-48.51=	3.7	10GBASE-DWDM 1535.82 nm X2 (100-GHz ITU grid)
DWDM-X2-50.12=	3.7	10GBASE-DWDM 1536.61 nm X2 (100-GHz ITU grid)
DWDM-X2-50.92=	3.7	10GBASE-DWDM 1538.19 nm X2 (100-GHz ITU grid)
DWDM-X2-51.72=	3.7	10GBASE-DWDM 1538.98 nm X2 (100-GHz ITU grid)
DWDM-X2-52.52=	3.7	10GBASE-DWDM 1539.77 nm X2 (100-GHz ITU grid)
DWDM-X2-54.13=	3.7	10GBASE-DWDM 1540.56 nm X2 (100-GHz ITU grid)
DWDM-X2-54.94=	3.7	10GBASE-DWDM 1542.14 nm X2 (100-GHz ITU grid)
DWDM-X2-55.75=	3.7	10GBASE-DWDM 1542.94 nm X2 (100-GHz ITU grid)
DWDM-X2-56.55=	3.7	10GBASE-DWDM 1543.73 nm X2 (100-GHz ITU grid)
DWDM-X2-58.17=	3.7	10GBASE-DWDM 1544.53 nm X2 (100-GHz ITU grid)
DWDM-X2-58.98=	3.7	10GBASE-DWDM 1546.12 nm X2 (100-GHz ITU grid)
DWDM-X2-59.79=	3.7	10GBASE-DWDM 1546.92 nm X2 (100-GHz ITU grid)
DWDM-X2-60.61=	3.7	10GBASE-DWDM 1547.72 nm X2 (100-GHz ITU grid)
GLC-BX-D	3.7	10GBASE-DWDM 1548.51 nm X2 (100-GHz ITU grid)
GLC-BX-U	3.7	10GBASE-DWDM 1550.12 nm X2 (100-GHz ITU grid)
GLC-FE-100BX-D	3.7	10GBASE-DWDM 1550.92 nm X2 (100-GHz ITU grid)

Table 6-41 Supported Modules for Cisco Catalyst 4500 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
GLC-FE-100BX-U	3.7	10GBASE-DWDM 1551.72 nm X2 (100-GHz ITU grid)
GLC-FE-100FX	3.7	10GBASE-DWDM 1552.52 nm X2 (100-GHz ITU grid)
GLC-FE-100LX	3.7	10GBASE-DWDM 1554.13 nm X2 (100-GHz ITU grid)
GLC-FE-100ZX	3.7	10GBASE-DWDM 1554.94 nm X2 (100-GHz ITU grid)
GLC-LH-SM	3.6.7	10GBASE-DWDM 1555.75 nm X2 (100-GHz ITU grid)
GLC-SX-MM	3.7	10GBASE-DWDM 1556.55 nm X2 (100-GHz ITU grid)
GLC-ZX-SM	3.6.7	10GBASE-DWDM 1558.17 nm X2 (100-GHz ITU grid)
PWR-C45-1300ACV	3.6.4	10GBASE-DWDM 1558.98 nm X2 (100-GHz ITU grid)
PWR-C45-1400DC	3.6.7	10GBASE-DWDM 1559.79 nm X2 (100-GHz ITU grid)
PWR-C45-1400DC-P	3.7	48 Port 10/100/1000 Premium POE Line Card with Jumbo Frame Support.
PWR-C45-2800ACV	3.6.7	10GBASE-LX4 X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
WS-G5483	3.7	Cisco Catalyst 4500 1400 WDC Power Supply with PEM (PoE)
WS-U4504-FX-MT	3.6.0	Cisco CWDM SFP 1550 nm; Gigabit Ethernet and 1G/2G FC
WS-X4013+	3.6.0	100BASE-FX SFP module for 100-MB ports, 1310 nm wavelength, 2 km over MMF
WS-X4013+10GE	3.7	Cisco Catalyst 4500 Supervisor Engine II-Plus-10GE, 2x10GE (X2) and 4x1GE (SFP), Console RJ-45
WS-X4013+TS	3.6.0	Catalyst 4500 4-port 100FX(MTRJ) Uplink for WS-X4232-RJ-XX
WS-X4014	3.6.0	Catalyst 4500 Supervisor II-Plus (IOS), 2GE, Console(RJ-45)
WS-X4124-FX-MT	3.6.0	Catalyst 4503 SupII-Plus-TS, 12 10/100/1000 PoE+8 SFP slots
WS-X4124-RJ45	3.6.0	Supervisor Engine III
WS-X4148-FE-BD-LC	3.6.0	24-Port 100BASE-FX Fast Ethernet Switching Module
WS-X4148-FE-LX-MT	3.6.0	24-Port 10/100BASE-TX Fast Ethernet Switching Module

Table 6-41 Supported Modules for Cisco Catalyst 4500 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
WS-X4148-FX-MT	3.6.0	48-Port 100BASE-BX10-D Fast Ethernet Switching Module
WS-X4148-RJ	3.6.0	48-Port 100Base-LX-MT Fast Ethernet Switching Module
WS-X4148-RJ21	3.6.0	Catalyst 4500 FE Switching Module, 48-100FX MMF(MTRJ)
WS-X4148-RJ45V	3.6.0	Catalyst 4500 10/100 Auto Module, 48-Ports (RJ-45)
WS-X4224-RJ45V	3.6.0	Catalyst 4500 10/100 Module, 48-Ports Telco (4xRJ21)
WS-X4232-GB-RJ	3.6.0	10/100BASE-TX Fast Ethernet switching module with Cisco pre-standard PoE
WS-X4232-L3	3.6.0	Catalyst 4500 10/100 PoE 802.3af 24-ports (RJ45)
WS-X4232-RJ-XX	3.6.0	Catalyst 4500 32-10/100 (RJ-45),2-GE(GBIC)
WS-X4248-FE-SFP	3.6.0	Layer 3 Services Module
WS-X4248-RJ21V	3.6.0	Catalyst 4500 10/100 Module,32-ports(RJ45)+Modular uplinks
WS-X4248-RJ45V	3.6.0	Catalyst 4500 48-Port 100BASE-X (SFPs Optional)
WS-X4302-GB	3.6.0	Catalyst 4500 PoE 802.3af 10/100, 48-Ports (RJ21)
WS-X4306-GB	3.6.0	Catalyst 4500 PoE 802.3af 10/100, 48-Ports (RJ45)
WS-X4412-2GB-T	3.6.0	Catalyst 4500 Gigabit Ethernet Module, 2-Ports (GBIC)
WS-X4418-GB	3.6.0	Catalyst 4500 Gigabit Ethernet Module, 6-Ports (GBIC)
WS-X4424-GB-RJ45	3.6.0	1000BASE-T plus 1000BASE-X Gigabit Ethernet switching module
WS-X4448-GB-LX	3.6.0	Catalyst 4500 GE Module, Server Switching 18-Ports (GBIC)
WS-X4448-GB-RJ45	3.6.0	Catalyst 4500 24-port 10/100/1000 Module (RJ45)
WS-X4448-GB-SFP	3.6.0	1000BASE-X Gigabit Ethernet switching module
WS-X4506-GB-T	3.6.0	Catalyst 4500 48-Port 10/100/1000 Module (RJ45)
WS-X4515	3.6.0	Catalyst 4500 48-Port 1000Base-X (SFPs Optional)
WS-X4516	3.6.0	Catalyst 4500 6-Port 10/100/1000 PoE or SFP (Optional)
WS-X4516-10GE	3.6.0	Catalyst 4500 Supervisor IV (2 GE),Console(RJ-45)
WS-X4524-GB-RJ45V	3.6.0	Catalyst 4500 Supervisor V (2 GE),Console(RJ-45)
WS-X4548-GB-RJ45	3.6.0	Catalyst 4500 Supervisor V-10GE, 2x10GE (X2) and 4x1GE (SFP)
WS-X4548-GB-RJ45V	3.6.0	Catalyst 4500 PoE 802.3af 10/ 100/1000 24-ports (RJ45)

Table 6-41 Supported Modules for Cisco Catalyst 4500 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
WS-X45-SUP6-E	3.6.7	Catalyst 4500 Enhanced 48-Port 10/100/1000 Base-T (RJ-45)
WS-X45-SUP6L-E	3.6.7	Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)
WS-X4604-GWY	3.6.0	Catalyst 4000 Access Gateway Module
WS-X4606-X2-E	3.6.7	Cisco 4506 Power supply module
WS-X4624-SFP-E	3.6.7	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
WS-X4648-RJ45V+E	3.7	Cisco Catalyst 4500 E-Series 48-Port 802.3af PoE and PoEP-ready 10/100/1000 (RJ-45)
WS-X4648-RJ45V-E	3.7	Cisco Catalyst 4500 E-Series 48-port 802.3af PoE 10/100/1000 (RJ-45)
X2-10GB-CX4	3.7	10 Gigabit Ethernet X2 with Copper Wire (Data and PoE)
X2-10GB-ER	3.6.7	Catalyst 4500 E-Series Sup 6-E, 2x10GE(X2) w/Twin Gig
X2-10GB-LR	3.6.7	Catalyst 4500 E-Series Sup 6L-E, 2x10GE(X2) w/Twin Gig
X2-10GB-LRM	3.7	10GBASE-LRM X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-LX4	3.7	10GBASE-LX4 X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-SR	3.7	10GBASE-ER X2 transceiver module for SMF, 1550-nm wavelength, SC duplex connector
X2-10GB-ZR	3.7	10GBASE-LR Serial 1310-nm long-reach, single-mode fiber (SMF), dispersion-shifted fiber (DSF)

Cisco Catalyst 4500 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 4500 Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Routing Protocols](#), page 6-67
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [VPN](#), page 6-82
- [ACL](#), page 6-85
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [LLDP](#), page 6-92
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94
- [REP](#), page 6-94

Cisco Catalyst 4500 Series—Supported Service Events

Table 6-42 *Supported Service Events for Cisco Catalyst 4500 Series—Cisco ANA Version 3.7*

Event Name	ANA Version	Expedited
All IP Interfaces Down / Active IP Interfaces Found	3.6.0	Y
Interface Status Down/Up	3.6.0	Y
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Card Up/Down	3.6.0	Y

Cisco Catalyst 4500 Series—Supported Commands

Table 6-43 Supported Commands for Cisco Catalyst 4500 Series—Cisco ANA Version 3.7

Command	ANA Version
Show REP Segment Information	3.7

Cisco Catalyst 4900 Series Switches

This section includes the following information about Cisco Catalyst 4900 Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 4900 Series Switches](#)):

- [Cisco Catalyst 4900 Series—Supported Software Versions](#), page 6-32
- [Cisco Catalyst 4900 Series—Supported Topologies](#), page 6-33
- [Cisco Catalyst 4900 Series—Supported Modules](#), page 6-33
- [Cisco Catalyst 4900 Series—Supported Technologies](#), page 6-36
- [Cisco Catalyst 4900 Series—Supported Service Events](#), page 6-37
- [Cisco Catalyst 4900 Series—Supported Commands](#), page 6-37

Cisco Catalyst 4900 Series—Supported Software Versions

Table 6-44 Supported Software Versions for Cisco Catalyst 4900 Series—Cisco ANA Version 3.7

Software Version	ANA Version
IOS 12.2(25)EWA	3.6.3 ¹
IOS 12.2(25)EWA2	3.6.3 ²
IOS 12.2(25)EWA4	3.6.2 ³
IOS 12.2(25)EWA6	3.6.2 ⁴
IOS 12.2(31)SG	3.6.1 ⁵
IOS 12.2(31)SGA1	3.6.1 ⁶
IOS 12.2(50)SG	3.7 ⁷
IOS 12.2(52)SG	3.6.6 ⁸
IOS 12.2(53)SG	3.7 ⁹

^{1, 2, 3, 4, 5, 6}ANA models pluggable ports for this IOS version.

^{7, 8, 9}ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco Catalyst 4900 Series—Supported Topologies

Table 6-45 Supported Topologies for Cisco Catalyst 4900 Series—Cisco ANA Version 3.7

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.1
Physical Layer	Physical Layer	3.6.1
LAG	LAG	3.6.1

Cisco Catalyst 4900 Series—Supported Modules

Table 6-46 Supported Modules for Cisco Catalyst 4900 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
CAB-SM-LCSC-1M	3.6.1	1m fiber single-mode LC-to-SC connectors
CAB-SM-LCSC-5M	3.6.1	5m fiber single-mode LC-to-SC connectors
CSS5-CABLX-LCSC	3.6.1	Cisco CSS 11500 10m fiber single-mode LX LC-to-SC connectors
CSS5-CABSX-LC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC connectors
CSS5-CABSX-LCSC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC-to-SC connectors
CWDM-SFP-1470	3.6.1	Longwave 1470 nm laser single-mode
CWDM-SFP-1490	3.6.1	Longwave 1490 nm laser single-mode
CWDM-SFP-1510	3.6.1	Longwave 1510 nm laser single-mode
CWDM-SFP-1530	3.6.1	Longwave 1530 nm laser single-mode
CWDM-SFP-1550	3.6.1	Longwave 1550 nm laser single-mode
CWDM-SFP-1570	3.6.1	Longwave 1570 nm laser single-mode
CWDM-SFP-1590	3.6.1	Longwave 1590 nm laser single-mode
CWDM-SFP-1610	3.6.1	Longwave 1610 nm laser single-mode
CWDM-SFP-XXXX	3.6.1	CWDM small form-factor pluggable module
DWDM-X2-30.33=	3.7	10GBASE-DWDM 1530.33 nm X2 (100-GHz ITU grid)
DWDM-X2-31.12=	3.7	10GBASE-DWDM 1531.12 nm X2 (100-GHz ITU grid)
DWDM-X2-31.90=	3.7	10GBASE-DWDM 1531.90 nm X2 (100-GHz ITU grid)
DWDM-X2-32.68=	3.7	10GBASE-DWDM 1532.68 nm X2 (100-GHz ITU grid)

Table 6-46 Supported Modules for Cisco Catalyst 4900 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
DWDM-X2-34.25=	3.7	10GBASE-DWDM 1534.25 nm X2 (100-GHz ITU grid)
DWDM-X2-35.04=	3.7	10GBASE-DWDM 1535.04 nm X2 (100-GHz ITU grid)
DWDM-X2-35.82=	3.7	10GBASE-DWDM 1535.82 nm X2 (100-GHz ITU grid)
DWDM-X2-36.61=	3.7	10GBASE-DWDM 1536.61 nm X2 (100-GHz ITU grid)
DWDM-X2-38.19=	3.7	10GBASE-DWDM 1538.19 nm X2 (100-GHz ITU grid)
DWDM-X2-38.98=	3.7	10GBASE-DWDM 1538.98 nm X2 (100-GHz ITU grid)
DWDM-X2-39.77=	3.7	10GBASE-DWDM 1539.77 nm X2 (100-GHz ITU grid)
DWDM-X2-40.56=	3.7	10GBASE-DWDM 1540.56 nm X2 (100-GHz ITU grid)
DWDM-X2-42.14=	3.7	10GBASE-DWDM 1542.14 nm X2 (100-GHz ITU grid)
DWDM-X2-42.94=	3.7	10GBASE-DWDM 1542.94 nm X2 (100-GHz ITU grid)
DWDM-X2-43.73=	3.7	10GBASE-DWDM 1543.73 nm X2 (100-GHz ITU grid)
DWDM-X2-44.53=	3.7	10GBASE-DWDM 1544.53 nm X2 (100-GHz ITU grid)
DWDM-X2-46.12=	3.7	10GBASE-DWDM 1546.12 nm X2 (100-GHz ITU grid)
DWDM-X2-46.92=	3.7	10GBASE-DWDM 1546.92 nm X2 (100-GHz ITU grid)
DWDM-X2-47.72=	3.7	10GBASE-DWDM 1547.72 nm X2 (100-GHz ITU grid)
DWDM-X2-48.51=	3.7	10GBASE-DWDM 1548.51 nm X2 (100-GHz ITU grid)
DWDM-X2-50.12=	3.7	10GBASE-DWDM 1550.12 nm X2 (100-GHz ITU grid)
DWDM-X2-50.92=	3.7	10GBASE-DWDM 1550.92 nm X2 (100-GHz ITU grid)
DWDM-X2-51.72=	3.7	10GBASE-DWDM 1551.72 nm X2 (100-GHz ITU grid)
DWDM-X2-52.52=	3.7	10GBASE-DWDM 1552.52 nm X2 (100-GHz ITU grid)

Table 6-46 Supported Modules for Cisco Catalyst 4900 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
DWDM-X2-54.13=	3.7	10GBASE-DWDM 1554.13 nm X2 (100-GHz ITU grid)
DWDM-X2-54.94=	3.7	10GBASE-DWDM 1554.94 nm X2 (100-GHz ITU grid)
DWDM-X2-55.75=	3.7	10GBASE-DWDM 1555.75 nm X2 (100-GHz ITU grid)
DWDM-X2-56.55=	3.7	10GBASE-DWDM 1556.55 nm X2 (100-GHz ITU grid)
DWDM-X2-58.17=	3.7	10GBASE-DWDM 1558.17 nm X2 (100-GHz ITU grid)
DWDM-X2-58.98=	3.7	10GBASE-DWDM 1558.98 nm X2 (100-GHz ITU grid)
DWDM-X2-59.79=	3.7	10GBASE-DWDM 1559.79 nm X2 (100-GHz ITU grid)
DWDM-X2-60.61=	3.7	10GBASE-DWDM 1560.61 nm X2 (100-GHz ITU grid)
GLC-BX-D	3.6.1 ¹	1000BASE-BX10-D downstream bidirectional single fiber; with DOM
GLC-BX-U	3.6.1 ²	1000BASE-BX10-U upstream bidirectional single fiber; with DOM
GLC-LH-SM	3.6.1 ³	Gigabit Ethernet SFP, LC connector LH transceiver
GLC-SX-MM	3.6.1 ⁴	Gigabit Ethernet SFP, LC connector SX transceiver
GLC-T	3.6.1	Gigabit Ethernet SFP, RJ-45 connector, 1000BASE-T transceiver
GLC-ZX-SM	3.6.1 ⁵	Gigabit Ethernet SFP, LC connector ZX transceiver
PWR-C49M-1000AC	3.7	Cisco Catalyst 4900M AC Power Supply
PWR-C49M-1000DC	3.7	4900M DC power supply, 1000 watts module
WS-C4948	3.6.1	Catalyst 4000 series fixed configuration switch with 48 10/100/1000BaseT wirespeed ports and 4 1000BaseX SFP ports
WS-C4948-10GE	3.6.1	Catalyst 4000 series fixed configuration switch with 48 10/100/1000BaseT wirespeed ports and 2 10Gbps X2 ports
WS-X4904-10GE	3.7	Catalyst 4000 series fixed configuration switch with 48 10/100/1000BaseT wirespeed ports and 4 1000BaseX SFP ports
WS-X4908-10GE	3.7	Catalyst 4900M series, half height line card with 8 port 2:1 10GE interface
WS-X4920-GB-RJ45	3.7	Catalyst 4900M series, half height line card with 20 port 10/100/1000 RJ45 interface
WS-X4992	3.7	Cisco Catalyst 4900M Spare Fan Tray

Table 6-46 Supported Modules for Cisco Catalyst 4900 Series—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
X2-10GB-CX4	3.6.1 ⁶	10GBASE-CX4 single-mode X2 module
X2-10GB-ER	3.6.1 ⁷	10GBASE-ER single-mode X2 module
X2-10GB-LR	3.6.1 ⁸	10GBASE-LR single-mode X2 module
X2-10GB-LRM	3.7	10GBASE-LX4 X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-LX4	3.6.1 ⁹	10GBASE-LX4 single-mode X2 module
X2-10GB-SR	3.6.1 ¹⁰	10GBASE-SR single-mode X2 module
X2-10GB-ZR	3.7	10GBASE-ZR X2 transceiver module for SMF, 1550-nm wavelength, SC duplex connector
X2-10GE-CX4	3.6.1	10GBASE-CX4 X2 Module
X2-10GE-ER	3.6.1	10GBASE-ER X2 Module
X2-10GE-LR	3.6.1	10GBASE-LR X2 Module
X2-10GE-LX4	3.6.1	10GBASE-LX4 X2 Module
X2-10GE-SR	3.6.1	10GBASE-SR X2 Module

1, 2, 3, 4, 5, 6, 7, 8, 9, 10Support verified in ANA 3.7.

Cisco Catalyst 4900 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 4900 Series in Cisco ANA Version 3.7:

- [IP, page 6-65](#)
- [Routing Protocols, page 6-67](#)
- [Ethernet \(IEEE 802.3\), page 6-68](#)
- [VPN, page 6-82](#)
- [ACL, page 6-85](#)
- [Physical Equipment, page 6-86](#)
- [Base Logical Components, page 6-87](#)
- [Common, page 6-88](#)
- [Additional Technologies, page 6-89](#)
- [LLDP, page 6-92](#)
- [CDP, page 6-93](#)
- [Discovery Protocol, page 6-93](#)
- [VTP, page 6-94](#)
- [REP, page 6-94](#)

Cisco Catalyst 4900 Series—Supported Service Events

Table 6-47 Supported Service Events for Cisco Catalyst 4900 Series—Cisco ANA Version 3.7

Event Name	ANA Version	Expedited
All IP Interfaces Down / Active IP Interfaces Found	3.6.1	Y
Interface Status Down/Up	3.6.1	Y
Card In/Out	3.6.1	Y
Link Down/Up	3.6.1	Y
Device Unreachable	3.6.1	N
CPU Over Utilized	3.6.1	N
Memory Over Utilized	3.6.1	N
Device Unsupported	3.6.1	N
Discard Packets	3.6.1	N
Dropped Packets	3.6.1	N
Module Unsupported	3.6.1	N
Port Flapping	3.6.1	N
Port Down	3.6.1	Y
Rx Over Utilized	3.6.1	N
Tx Over Utilized	3.6.1	N
Cloud Problem	3.6.1	N
Layer 2 Tunnel Down	3.6.1	N
Card Up/Down	3.6.1	Y
Keepalive set	3.7	N
Keepalive not set	3.7	N

Cisco Catalyst 4900 Series—Supported Commands

Table 6-48 Supported Commands for Cisco Catalyst 4900 Series—Cisco ANA Version 3.7

Command	ANA Version
Show REP Segment Information	3.7

Cisco ME 4900 Series Ethernet Switch

This section includes the following information about Cisco 4924 ME switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco ME 4900 Series Ethernet Switch](#)):

- [Cisco 4924 ME—Supported Software Versions](#), page 6-38

- [Cisco 4924 ME—Supported Topologies, page 6-38](#)
- [Cisco 4924 ME—Supported Modules, page 6-38](#)
- [Cisco 4924 ME—Supported Technologies, page 6-40](#)
- [Cisco 4924 ME—Supported Service Events, page 6-41](#)
- [Cisco 4924 ME—Supported Commands, page 6-41](#)

Cisco 4924 ME—Supported Software Versions

Table 6-49 *Supported Software Versions for Cisco 4924 ME—Cisco ANA Version 3.7*

Software Version	ANA Version
12.2(25)EWA	3.6.3 ¹
12.2(25)EWA4	3.6.3 ²
12.2(25)EWA6	3.6.3 ³
12.2(31)SG	3.6.3 ⁴
12.2(31)SGA1	3.6.1 ⁵
12.2(46)SG	3.6.6 ⁶
12.2(50)SG	3.6.6 ⁷
12.2(53)SG	3.7 ⁸

1, 2, 3, 4, 5, 6, 7, 8 ANA models pluggable ports for this IOS version.

Cisco 4924 ME—Supported Topologies

Table 6-50 *Supported Topologies for Cisco 4924 ME—Cisco ANA Version 3.7*

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.1
Physical Layer	Physical Layer	3.6.1

Cisco 4924 ME—Supported Modules

Table 6-51 *Supported Modules for Cisco 4924 ME—Cisco ANA Version 3.7*

Module Name	ANA Version	Module Description
CAB-SM-LCSC-1M	3.6.1	1m fiber single-mode LC-to-SC connectors
CAB-SM-LCSC-5M	3.6.1	5m fiber single-mode LC-to-SC connectors

Table 6-51 Supported Modules for Cisco 4924 ME—Cisco ANA Version 3.7 (continued)

Module Name	ANA Version	Module Description
CSS5-CABLX-LCSC	3.6.1	Cisco CSS 11500 10m fiber single-mode LX LC-to-SC connectors
CSS5-CABSX-LC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC connectors
CSS5-CABSX-LCSC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC-to-SC connectors
CWDM-SFP-1470	3.6.1	Cisco CWDM SFP 1470 nm; Gigabit Ethernet and 1G/2G FC (gray)
CWDM-SFP-1490	3.6.1	Cisco CWDM SFP 1490 nm; Gigabit Ethernet and FC (violet)
CWDM-SFP-1510	3.6.1	Cisco CWDM SFP 1510 nm; Gigabit Ethernet and 1G/2G FC (blue)
CWDM-SFP-1530	3.6.1	Cisco CWDM SFP 1530 nm; Gigabit Ethernet and 1G/2G FC (green)
CWDM-SFP-1550	3.6.1	Cisco CWDM SFP 1550 nm; Gigabit Ethernet and 1G/2G FC (yellow)
CWDM-SFP-1570	3.6.1	Cisco CWDM SFP 1570 nm; Gigabit Ethernet and 1G/2G FC (orange)
CWDM-SFP-1590	3.6.1	Cisco CWDM SFP 1590 nm; Gigabit Ethernet and 1G/2G FC (red)
CWDM-SFP-1610	3.6.1	Cisco CWDM SFP 1610 nm; Gigabit Ethernet and 1G/2G FC (brown)
GLC-BX-D	3.6.1	1000BASE-BX10-D downstream bidirectional single fiber; with DOM
GLC-BX-U	3.6.1	1000BASE-BX10-U upstream bidirectional single fiber; with DOM
GLC-LH-SM	3.6.1	Gigabit Ethernet SFP, LC connector LH transceiver
GLC-SX-MM	3.6.1	Gigabit Ethernet SFP, LC connector SX transceiver
GLC-T	3.6.1	Gigabit Ethernet SFP, RJ-45 connector, 1000BASE-T transceiver
GLC-ZX-SM	3.6.1	Gigabit Ethernet SFP, LC connector ZX transceiver
ME-4924-10GE	3.6.1	Cisco ME 4924-10GE, IP Base software image (RIP, static routes), no power supply, fan tray
PWR-C49-300DC	3.6.6	Power Supply (DC 300W)
WS-X4991	3.6.6	Fan Tray
X2-10GE-CX4	3.6.1	10GBASE-CX4 X2 Module
X2-10GE-ER	3.6.1	10GBASE-ER X2 Module
X2-10GE-LR	3.6.1	10GBASE-LR X2 Module
X2-10GE-LX4	3.6.1	10GBASE-LX4 X2 Module

Table 6-51 **Supported Modules for Cisco 4924 ME—Cisco ANA Version 3.7 (continued)**

Module Name	ANA Version	Module Description
X2-10GE-SR	3.6.1	10GBASE-SR X2 Module

Cisco 4924 ME—Supported Technologies

The following technologies are supported by the Cisco 4924 ME in Cisco ANA Version 3.7:

- [IP, page 6-65](#)
- [Routing Protocols, page 6-67](#)
- [Ethernet \(IEEE 802.3\), page 6-68](#)
- [VPN, page 6-82](#)
- [ACL, page 6-85](#)
- [Physical Equipment, page 6-86](#)
- [Base Logical Components, page 6-87](#)
- [Common, page 6-88](#)
- [Additional Technologies, page 6-89](#)
- [LLDP, page 6-92](#)
- [CDP, page 6-93](#)
- [Discovery Protocol, page 6-93](#)
- [VTP, page 6-94](#)
- [REP, page 6-94](#)

Cisco 4924 ME—Supported Service Events

Table 6-52 Supported Service Events for Cisco 4924 ME—Cisco ANA Version 3.7

Event Name	ANA Version	Expedited
Card In/Out	3.6.1	N
Link Down/Up	3.6.1	N
Device Unreachable	3.6.1	N
CPU Over Utilized	3.6.1	N
Memory Over Utilized	3.6.1	N
Device Unsupported	3.6.1	N
Discard Packets	3.6.1	N
Dropped Packets	3.6.1	N
Module Unsupported	3.6.1	N
Port Flapping	3.6.1	N
Port Down	3.6.1	N
Rx Over Utilized	3.6.1	N
Tx Over Utilized	3.6.1	N
Card Up/Down	3.6.1	N

Cisco 4924 ME—Supported Commands

Table 6-53 Supported Commands for Cisco 4924 ME—Cisco ANA Version 3.7

Command	ANA Version
Show REP Segment Information	3.7

Cisco Catalyst 5000 Series Switches

This section includes the following information about Cisco 5000 Series switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 5000 Series Switches](#)):

- [Cisco 5000 Series—Supported Software Versions](#), page 6-42
- [Cisco 5000 Series—Supported Topologies](#), page 6-42
- [Cisco 5000 Series—Supported Technologies](#), page 6-42
- [Cisco 5000 Series—Supported Service Events](#), page 6-43
- [Cisco 5000 Series—Supported Commands](#), page 6-43

Cisco 5000 Series—Supported Software Versions

Table 6-54 *Supported Software Versions for Cisco 5000 Series—Cisco ANA Version 3.7*

Software Version	ANA Version
4.5(15)	3.7

Cisco 5000 Series—Supported Topologies

Table 6-55 *Supported Topologies for Cisco 5000 Series—Cisco ANA Version 3.7*

Topology Type	Link Type	ANA Version
Business	Business	3.7
Ethernet	Ethernet	3.7
Physical Layer	Physical Layer	3.7

Cisco 5000 Series—Supported Technologies

The following technologies are supported by the Cisco 5000 Series in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94
- [REP](#), page 6-94

Cisco 5000 Series—Supported Service Events

Table 6-56 Supported Service Events for Cisco 5000 Series—Cisco ANA Version 3.7

Event Name	ANA Version	Expedited
All IP Interfaces Down / Active IP Interfaces Found	3.6.0	N
Interface Status Down/Up	3.6.0	N
Card In/Out	3.6.0	N
Link Down/Up	3.6.0	N
Device Unreachable	3.6.0	N
Card Up/Down	3.6.0	N

Cisco 5000 Series—Supported Commands

Table 6-57 Supported Commands for Cisco 5000 Series—Cisco ANA Version 3.7

Command	ANA Version
Show REP Segment Information	3.7

Cisco Catalyst 6500 Series (CatOS) Switches

This section includes the following information about Cisco Catalyst 6500 Series (CatOS) switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 6500 Series \(CatOS\) Switches](#)):

- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Software Versions](#), page 6-44
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Topologies](#), page 6-44
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Modules](#), page 6-44
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Technologies](#), page 6-47
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Service Events](#), page 6-48
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Commands](#), page 6-48

Cisco Catalyst 6500 Series (CatOS)—Supported Software Versions

Table 6-58 *Supported Software Versions for Cisco Catalyst 6500 Series (CatOS)—Cisco ANA Version 3.7*

Software Version	ANA Version
6.4(10)	3.6.3
7.6(1)	3.6.3
7.6(8)	3.6.3
8.3(4)	3.6.3
8.4.1	3.6.3
8.5(1)	3.7 ¹
8.5(7)	3.7

¹ANA recognizes all maintenance builds in this CatOS release train.

Cisco Catalyst 6500 Series (CatOS)—Supported Topologies

Table 6-59 *Supported Topologies for Cisco Catalyst 6500 Series (CatOS)—Cisco ANA Version 3.7*

Topology Type	Link Type	ANA Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco Catalyst 6500 Series (CatOS)—Supported Modules

Table 6-60 *Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco ANA Version 3.7*

Module Name	ANA Version	Module Description
AIP	3.6.0	ATM Interface Processor
CAT6509	3.6.0	Catalyst 6500 Plus with 9 slots
CAT6K-MSFC	3.6.0	Multilevel Switching Feature Card for the Catalyst 6000 series
CAT6K-MSFC2	3.6.0	Multilevel Switching Feature Card Version 2 for the Catalyst 6000 series
CAT6K-WSF-6700-CFC	3.6.0	Catalyst 6500 centralized Forwarding Card
CAT6K-WSF-6K-DFC3A	3.6.0	Catalyst 6500 Distributed L3 switching engine IIIa
CAT6K-WSF-6K-PFC3A	3.6.0	Catalyst 6500 Centralized L3 switching engine IIIa

Table 6-60 Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
CAT6K-WSF-6K-VPWR-GE	3.6.0	Cat6k voice daughter cards
CAT6K-WS-SUP32-GE-3B	3.6.0	cat6k-ws-sup32-ge-3b
CAT6K-WS-SUP720	3.6.0	Catalyst 6500 Supervisor Module 720 CPU board
CAT6K-WS-SUP720-BASE	3.6.0	Catalyst 6500 Supervisor Module 720 base board
CAT6K-WS-SVC-IDS2	3.6.0	Catalyst 6500 Intrusion Detection Module
CAT6K-WSX-6066-SLB-APC	3.6.0	Content Switching Module
CAT6K-WSX-6148-GE-TX	3.6.0	Catalyst 6000 48 port 10/100/1000BaseT(RJ-45) module
CAT6K-WSX-6148-RJ45	3.6.0	48 port 10/100BaseTX(RJ-45) module
CAT6K-WSX-6248A-RJ45	3.6.0	Catalyst 6000 48-port 10/100BaseTX RJ-45
CAT6K-WSX-6248-RJ45	3.6.0	Catalyst 6000 Family 48-port 10/100 RJ-45 module
CAT6K-WSX-6348-RJ45	3.6.0	48-port 10/100 ethernet module
CAT6K-WSX-6416-GBIC	3.6.0	16-port GBIC Gigabit ethernet module
CAT6K-WSX-6515-GETX	3.6.0	Catalyst 6500 16 port 10/100/1000BaseT (RJ-45) module
CAT6K-WSX-6516A-GBIC	3.6.0	Catalyst 6500 16 port 1000BaseX (GBIC)
CAT6K-WSX-6516-GBIC	3.6.0	Catalyst 6500 16 port 1000BaseX GBIC
CAT6K-WSX-6524-MMMT	3.6.0	Catalyst 6500 24 port 100BaseX MM (MT-RJ) module
CAT6K-WSX-6548-GETX	3.6.0	Catalyst 6500 48 port 10/100/1000 (RJ-45)
CAT6K-WSX-6548-RJ21	3.6.0	Catalyst 6500 48 port 10/100BaseTX (RJ-21)
CAT6K-WSX-6548-RJ45	3.6.0	48 port 10/100 Hydra2+/Hydra2V+
CAT6K-WSX-6704-10GE	3.6.0	Catalyst 6500 4 port 10 GE
CAT6K-WSX-6724-SFP	3.6.0	Catalyst 6500 24 port 1000Base FX (SFP GBIC)
CAT6K-WSX-6748-GETX	3.6.0	Catalyst 6500 48 port 10/100/1000 (RJ-45)
CAT6K-WSX-SUP1A-2GE	3.6.0	Catalyst 6500 2 port 1000BaseX Supervisor module (GBIC)
CAT6K-WSX-SUP2-2GE	3.6.0	Supervisor 2 with 2 Gigabit Ethernet ports
CATALYST 6500 FIREWALL MODULE	3.6.0	Catalyst 6500 Firewall Module
CEF720 48 PORT 1000MB SFP	3.6.0	Catalyst 6500 48 port 1000Base FX (SFP GBIC)
FSIP	3.6.0	Fast Serial Interface processor
HDV	3.6.0	High Density Voice module
MIP	3.6.0	MultiChannel Interface Processor
MSFC2A ROUTE ENGINE	3.6.0	MSFC2A Route Engine
OC192-POS-RPR1-SM-VSR-S PA	3.6.0	1 port OC-192c/STM-64 POS/RPR single mode very short reach Shared Port Adapter =SPA=

Table 6-60 **Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco ANA Version 3.7**

Module Name	ANA Version	Module Description
PA-1T3-PLUS	3.6.0	pa-1t3-plus
PA-2FEISL-TX	3.6.0	pa-2feisl-tx
PA-2T3-PLUS	3.6.0	pa-2t3-plus
PA-8CE1	3.6.0	pa-8ce1
PA-A4T	3.6.0	pa-a4t
PA-A8T-V35	3.6.0	pa-a8t-v35
PA-AH1T	3.6.0	pa-ah1t
PA-AH2T	3.6.0	pa-ah2t
PA-ATMDX-DS3	3.6.0	pa-atmdx-ds3
PA-ATMDX-E3	3.6.0	pa-atmdx-e3
PA-ATMDX-MM-OC3	3.6.0	pa-atmdx-mm-oc3
PA-ATMDX-SMI-OC3	3.6.0	pa-atmdx-smi-oc3
PA-ATMDX-SML-OC3	3.6.0	pa-atmdx-sml-oc3
PA-CE3	3.6.0	pa-ce3
PA-POSSW-LR	3.6.0	pa-possw-lr
PA-POSSW-MM	3.6.0	pa-possw-mm
PA-POSSW-SM	3.6.0	pa-possw-sm
PM-1FE-1T1	3.6.0	pm-1fe-1t1
POLICY FEATURE CARD 3	3.6.0	Policy Feature Card 3
POS-OC12-MM	3.6.0	pos-oc12-mm
RP	3.6.0	ROMmon Recovery Procedure
SPA-10X1GE	3.6.1	10-port Gigabit Ethernet SPA, SFP Optics
SPA-1XTENGE-XFP	3.6.1	1-port 10 Gigabit Ethernet SPA, LANPHY XFP Optics
SPA-2XOC3-ATM	3.6.1	2-port OC-3c/STM-1c ATM SPA
SPA-2XOC48POS/RPR	3.6.1	1-port 10 Gigabit Ethernet Shared Port Adapter XFP based
SPA-4XOC3-ATM	3.6.1	4-port OC-3c/STM-1c ATM SPA
TRIP	3.6.0	trip
VPN MODULE	3.6.0	VPN Module
VPN MODULE SUPPORTING 3DES	3.6.0	VPN Module supporting 3DES
WS-C6500-SFM	3.6.0	Switch Fabric Module
WS-C6509-NEB-A	3.6.1	Enhanced 9-slot vertically oriented chassis
WS-F6K-PWR	3.6.0	CATALYST 6000 INLINE POWER CARD, REF

Table 6-60 **Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco ANA Version 3.7**

Module Name	ANA Version	Module Description
WS-SUP720-3BXL	3.6.0	Catalyst 6500/Cisco 7600 Supervisor 720 Fabric MSFC3 PFC3BXL
WS-SVC-ADM-1-K9=	3.6.0	Catalyst 6500 Cisco Anomaly Detection Module
WS-SVC-AGM-1-K9=	3.6.0	Catalyst 6500 Cisco Anomaly Guard Module
WS-SVC-IDS2-BUN-K9	3.6.1	Cisco Catalyst 6500 Series Intrusion Detection System (IDS2) Service Module
WS-SVC-SSL-1-K9=	3.6.0	SSL Module for Catalyst 6500
WS-X6148-FE-SFP	3.6.0	Cisco Catalyst 6500 48-port 100BASE-X SFP Module
WSX-6408A-GBIC	3.6.0	Catalyst 6000 8-port Gigabit Ethernet Module
WSX-6408-GBIC	3.6.0	Card with 8 Gigabit Ethernet ports for the Catalyst 6000 series
WS-X6500-SFM2	3.6.0	Switch Fabric Module 2
WVIC-2DSU-T1(V2)	3.6.0	wvic-2dsu-t1(V2)

Cisco Catalyst 6500 Series (CatOS)—Supported Technologies

The following technologies are supported by the Cisco Catalyst 6500 Series (CatOS) in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [Frame Relay](#), page 6-76
- [Point to Point](#), page 6-77
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [CDP](#), page 6-93
- [VTP](#), page 6-94

Cisco Catalyst 6500 Series (CatOS)—Supported Service Events

Table 6-61 *Supported Service Events for Cisco Catalyst 6500 Series (CatOS)—Cisco ANA Version 3.7*

Event Name	ANA Version	Expedited
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Cloud Problem	3.6.0	N
Card Up/Down	3.6.0	Y

Cisco Catalyst 6500 Series (CatOS)—Supported Commands

Table 6-62 *Supported Commands for Cisco Catalyst 6500 Series (CatOS)—Cisco ANA Version 3.7*

Command	ANA Version
Show REP Segment Information	3.7

Cisco Catalyst 6500 Series (IOS) Switches

This section includes the following information about Cisco Catalyst 6500 Series (IOS) switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco Catalyst 6500 Series \(IOS\) Switches](#)):

- [Cisco Catalyst 6500 Series \(IOS\)—Supported Software Versions](#), page 6-49
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Topologies](#), page 6-50
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Modules](#), page 6-50
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Technologies](#), page 6-57
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Service Events](#), page 6-58
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Commands](#), page 6-59

Cisco Catalyst 6500 Series (IOS)—Supported Software Versions

Table 6-63 *Supported Software Versions for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7*

Software Version	ANA Version
IOS 12.1	3.6.1
IOS 12.1(13)E6	3.6.2
IOS 12.1(20)E3	3.6.2
IOS 12.2(17d)SXB	3.6.1
IOS 12.2(18)SXD2	3.6.2
IOS 12.2(18)SXD5	3.6.2
IOS 12.2(18)SXE	3.6.1 ¹
IOS 12.2(18)SXF	3.6.1 ²
IOS 12.2(18)SXF7	3.6.2 ³
IOS 12.2(33)	3.6.1 ⁴
IOS 12.2(33)SRA	3.6.1 ⁵
IOS 12.2(33)SRA6	3.6.3 ⁶
IOS 12.2(33)SRD1	3.7 ⁷
IOS 12.2(33)SRD2	3.6.7 ⁸
IOS 12.2(33)SXH	3.6.3 ⁹
IOS 12.2(33)SXH1	3.6.3 ¹⁰
IOS 12.2(33)SXH2	3.6.6 ¹¹
IOS 12.2(33)SXH2a	3.6.5 ¹²
IOS 12.2(33)SXI	3.6.4 ¹³
IOS 12.2(nightly.SR070916)	3.6.1 ¹⁴
starts with 12.2(SIERRA)	3.6.1 ¹⁵

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 ANA models pluggable ports for this IOS version.

Cisco Catalyst 6500 Series (IOS)—Supported Topologies

Table 6-64 Supported Topologies for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7

Topology Type	Link Type	ANA Version
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
MPLS	MPLS	3.6.0
PWE3 (Martini)	Tunnel	3.6.0
GRE Tunnel	GRE Tunnel	3.6.0
VPN (VRF)	VPN	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.0

Cisco Catalyst 6500 Series (IOS)—Supported Modules

Table 6-65 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
4000W-DC	3.6.2	4000W DC PS for 7609/7613Chassis
6000W-DC	3.6.2	6000W DC PS
7600-ES+40G3C	3.6.7	7600 ES+ Line Card, 40xGE SFP with DFC 3C
7600-ES20	3.6.1	Cisco 7600 Series Ethernet Services Card
7600-ES20-10G3C	3.6.1	Cisco 7600 ES20 line card, 2x10GE XFP with DFC 3C
7600-ES20-10G3CXL	3.6.1	Cisco 7600 ES20 line card, 2x10GE XFP with DFC 3CXL
7600-ES20-GE3C	3.6.1	Cisco 7600 ES20 line card, 20xGE SFP with DFC 3C
7600-ES20-GE3CXL	3.6.1	Cisco 7600 ES20 line card, 20xGE SFP with DFC 3CXL
7600-ES20-PROC	3.6.1	7600 ES20 PROC FRU
7600-ES40-G3CXL	3.6.4	7600 ES+ Line Card, 40xGE SFP with DFC 3CXL
7600-MSFC4	3.6.1	c7600 MSFC4 Daughterboard
7600-SIP-200	3.6.0	SPA Interface Processor-200
7600-SIP-400	3.6.0	SPA Interface Processor-400
7600-SIP-600	3.6.0	SPA Interface Processor-600
7600-SSC-400	3.6.3	Cisco 7600 / Catalyst 6500 Services SPA Carrier Card-400 Rev. 2.0
ACE20-MOD-K9	3.6.3	Application Control Engine 20 Hardware

Table 6-65 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
CAT6500FIREWALLSM	3.6.2	Cisco Catalyst 6500 Series Firewall Services Module
CAT6500SSLSM	3.6.2	Cisco Catalyst 6500 Series SSL Services Module
CEVFAN	3.6.1	Fan
DFC-3C	3.6.1	Distributed Forwarding Card 3C
FAN-MOD-09	3.6.4	Catalyst 6509-NEB-A Fan Tray
GLC_BX-U	3.6.7	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength
GLC-BX-D	3.6.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
GLC-LH-SM	3.6.4	Short Wave fiber Gigabit Ethernet
MSFC4	3.6.2	Multilayer Switch Feature Card
OSM-12CT3T1	3.6.0	12-port channelized/unchannelized CT3-T1
OSM-1CHOC12T3-SI	3.6.0	1-port channelized OC-12, SM-IR
OSM-1OC48-POS-SI+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-IR
OSM-1OC48-POS-SL+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-LR
OSM-1OC48-POS-SS+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-SR
OSM-2+4GE-WAN+	3.6.0	4-port Gigabit Ethernet WAN (GBIC) with two Layer 2 LAN ports; CEF256
OSM-2OC12-ATM-MM+	3.6.0	Enhanced 2-port OC-12/STM-4 ATM OSM, MM
OSM-2OC12-ATM-SI+	3.6.0	Enhanced 2-port OC-12/STM-4 ATM OSM, SM-IR
OSM-2OC12-POS-SI+	3.6.0	Enhanced 2-port OC-12c/STM-4c POS, SM-IR; CEF256
OSM-4OC12-POS-SI+	3.6.0	Enhanced 4-port OC-12c/STM-4c POS, SM-IR; CEF256
OSM-4OC3-POS-SI+	3.6.0	Enhanced 4-port OC-3c/STM-1c POS, SM-IR;
PA-1FE-TX	3.6.0	1-port Fast Ethernet port adapter
PA-1FE-FX	3.6.0	1-port Fast Ethernet port adapter
PA-2CE/PRI	3.6.1	Not Found
PA-2FE-TX	3.6.0	2-port Fast Ethernet port adapter
PA-4T+	3.6.0	T1/E1 port adapters
PA-A3-E3	3.6.0	ATM with traffic shaping port adapters
PA-A3-T3	3.6.0	ATM with traffic shaping port adapters
PA-MC-2E1/120	3.6.1	2 port multichannel E1 port adapter with G.703 120ohm interf
PA-MC-4T1	3.6.0	T1/E1 port adapters

Table 6-65 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
PA-MC-8T1	3.6.0	T1/E1 port adapters
PA-MC-STM-1	3.6.0	Multichannel STM-1 port adapters
PA-MCX-8TE1	3.6.1	8 port multichannel T1/E1 8PRI port adapter
PA-POS-2OC3	3.6.0	2-port POS OC3c/STM1 port adapter
PFC-3C	3.6.2	Policy Feature Card 3C
PFC-3CXL	3.6.1	Policy Feature Card 3Cxl (PFC3CXL)
PWR-2700-AC/4	3.6.4	2700W AC power supply for Cisco Catalyst 6504-E
PWR-2700-DC/4	3.6.2	2700W DC Power Supply for Cisco 6504-E
PWR-4000-DC	3.6.4	Cisco 4000 Watt DC power supply for Catalyst 6000
RSP720-3C-GE	3.6.1	Route Switch Processor 720 with PFC3C
RSP720-3CXL	3.6.4	Catalyst 6500 Supervisor Module 720 base board
SFP-GE-L	3.6.4	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.6.7	1000BASE-Sx Short wavelength gigabit ethernet SFP
SFP-GE-T	3.6.7	1000BASE-T Copper gigabit ethernet SFP
SFP-GE-Z	3.6.7	1000BASE-Zx Extended reach gigabit ethernet SFP
SFP-OC3-IR1	3.6.0	Intermediate range, single-mode fiber
SFP-OC3-LR1	3.6.0	Long range, single-mode fiber
SFP-OC3-MM	3.6.0	Short range, multimode fiber
SFP-OC3-SR	3.6.1	OC3/STM1 SFP, Single-mode fiber, Short Reach
SPA-10X1GE	3.6.0	10-port Gigabit Ethernet SPA, SFP Optics
SPA-10X1GE-V2	3.6.0	10-port Gigabit Ethernet SPA, SFP Optics
SPA-1XCHSTM1/OC3	3.6.0	1-port Channelized STM1/OC3 to DS0 SPA
SPA-1XOC12-ATM	3.6.0	1-Port OC-12c/STM-4c ATM SPA
SPA-1XOC12-POS	3.6.0	1-port OC-12c/STM-4c POS SPA
SPA-1XOC48-ATM	3.6.0	1 port OC-48c/STM-16 ATM SPA
SPA-1XTENGE-XFP	3.6.0	1-port 10 Gigabit Ethernet SPA, LANPHY XFP Optics
SPA-24CHT1-CE-ATM	3.6.0	24-Port Channelized T1/E1/J1 ATM CEOp SPA
SPA-2X1GE	3.6.0	2-port Gigabit Ethernet SPA, SFP Optics
SPA-2X1GE-V2	3.6.0	2-port Gigabit Ethernet SPA, SFP Optics
SPA-2XCT3/DS0	3.6.0	2-port Channelized T3 to DS0 SPA
SPA-2XOC3-ATM	3.6.0	2-port OC-3c/STM-1c ATM SPA
SPA-2XOC3-POS	3.6.0	2-port OC-3c/STM-1c POS SPA
SPA-2XOC48POS/RPR	3.6.1	1-port 10 Gigabit Ethernet Shared Port Adapter XFP based
SPA-2XOC48POS RPR	3.6.0	2 port OC-48 POS/RPR SPA with SFP Optics

Table 6-65 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
SPA-2XT3/E3	3.6.0	2-port Clear Channel T3/E3 SPA
SPA-4X1FE-TX-V2	3.6.0	4-port 10/100 Ethernet SPA TX
SPA-4XCT3/DS0	3.6.0	4-port Channelized T3 to DS0 SPA
SPA-4XOC3-ATM	3.6.0	4-port OC-3c/STM-1c ATM SPA
SPA-4XOC3-POS	3.6.0	4-port OC-3c/STM-1c POS SPA
SPA-4XOC48POSRR	3.6.0	4-port OC-48c/STM-16 POS/DPT/RPR SPA
SPA-4XT3/E3	3.6.0	4-port Clear Channel T3/E3 SPA
SPA-5X1GE	3.6.0	5-port Gigabit Ethernet SPA, SFP Optics
SPA-5X1GE-V2	3.6.2	5-Port Gigabit Ethernet Shared Port Adapter
SPA-8X1FE-TX-V2	3.6.0	8-port 10/100 Ethernet SPA TX
SPA-8XCHT1E1	3.6.0	8-Port Channelized T1/E1 SPA
SPA-CHOC3-CE-ATM	3.6.2	1-port Channelized OC3/STM-1 ATM + Circuit Emulation Shared Port Adapter
SPA-OC192POS-LR	3.6.0	1-port OC-192c/STM-64 POS/RPR SPA, SM-LR
SPA-OC192POS-XFP	3.6.0	1-port OC-192c/STM-64 POS/RPR SPA, XFP Optics
VS-S720-10G-3C	3.6.1	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with two 10 Gigabit Ethernet ports and MSFC3 PFC3C
VS-S720-10G-3CXL	3.6.1	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with two 10 Gigabit Ethernet ports and MSFC3 PFC3C XL
WS-6700-DFC3B	3.6.1	Catalyst 6500 Distributed forwarding card 3B
WS-6700-DFC3BXL	3.6.1	Catalyst 6500 Distributed forwarding card 3B XL
WS-C6000-CL	3.7	Cisco Catalyst 6000 Clock FRU
WS-C6503-E-FAN	3.6.4	Catalyst 6503-E Chassis Fan Tray
WS-C6506-E-FAN	3.6.4	Catalyst 6506 - E chassis fan Tray
WS-C6509-E-FAN	3.6.0	High-capacity fan tray
WS-C6509-NEB-A	3.6.1	Enhanced 9-slot vertically oriented chassis
WS-C6509-NEB-FAN	3.6.4	Catalyst 6509-NEB Fan Tray for 9-Vertical-Slot System
WS-C6509-V-E-FAN	3.6.4	Catalyst 6509-V-E Fan Tray
WS-C6513-CL	3.7	Cisco Clock Module WS-C6513-CL
WS-C6K-13SLT-FAN2	3.6.0	High Speed Fan Tray for Catalyst 6513 / Cisco 7613
WS-C6K-VTT	3.7	Catalyst 6000 VTT Module
WS-CAC-2500W	3.6.4	Catalyst 6500 2500W AC power supply
WS-CAC-3000W	3.6.4	Catalyst 6500 3000W AC power supply

Table 6-65 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7

Module Name	ANA Version	Module Description
WS-CAC-4000W-INT	3.6.3	4000W AC PowerSupply, International (cable included)
WS-CAC-6000W	3.6.0	6000W AC power supply
WS-CDC-2500W	3.6.4	Cisco 2500 Watt DC power supply for Catalyst 6000 or 8500 series
WS-F6700-DFC3A	3.6.1	Distributed Forwarding Card 3
WS-F6700-DFC3BXL	3.6.0	Distributed Forwarding Card 3BXL (DFC3BXL) for use on CEF720 modules
WS-F6700-DFC3C	3.6.0	Distributed Forwarding Card 3C (DFC3C) for use on CEF720 modules
WS-F6700-DFC-3C	3.6.2	Catalyst 6500 Distributed forwarding card 3C
WS-F6700-DFC3CXL	3.6.0	Distributed Forwarding Card 3CXL (DFC3CXL) for use on CEF720 modules
WS-F6700-DFC-3CXL	3.6.2	Catalyst 6500 Distributed forwarding card 3C XL
WS-F6K-FE48X2-AF	3.6.0	IEEE 802.3af PoE daughter card
WS-F6K-GE48-AF	3.6.0	IEEE 802.3af PoE daughter card
WS-F6K-MSFC2	3.6.1	Multilevel Switching Feature Card Version 2 for Catalyst 6000 that is treated as a standalone system by the NMS
WS-F6K-PFC2	3.6.1	Catalyst 6500 L3 switching engine II
WS-F6K-PFC3BXL	3.6.0	Policy Feature Card 3BXL (PFC3BXL)
WS-F6K-PFC3CXL	3.6.0	Policy Feature Card 3CXL (PFC3CXL)
WS-F6K-VPWR	3.6.0	PoE Daughter card
WS-F6K-VPWR-GE	3.6.0	PoE Daughter card
WS-G5486	3.6.4	Long Haul fiber Gigabit Ethernet
WS-G6483	3.6.0	10GBASE-ER serial 1550 nm extended-reach OIM
WS-G6488	3.6.0	10GBASE-LR serial 1310 nm long-reach OIM
WS-SUP32-10GE-3B	3.6.0	Supervisor Engine 32
WS-SUP32-GE-3B	3.6.0	Supervisor Engine 32
WS-SUP720-3B	3.6.0	Supervisor Engine 720 with PFC3B
WS-SUP720-3BXL	3.6.0	Supervisor Engine 720 with PFC3BXL
WS-SVC-FWM-1	3.6.0	Catalyst 6500 Firewall Module
WS-SVC-IDS2-BUN-K9	3.6.1	Cisco Catalyst 6500 Series Intrusion Detection System (IDSM-2) Service Module
WS-SVC-IDSM-2	3.6.1	Catalyst 6500 Intrusion Detection Module
WS-SVC-MWAM-1	3.6.0	Multi-Processor WAN Application Module
WS-SVC-NAM-1	3.6.0	Network Analysis module 1
WS-SVC-NAM-2	3.6.0	Network Analysis module 2

Table 6-65 **Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7**

Module Name	ANA Version	Module Description
WS-X6148A-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6148A-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6148FE-SFP	3.6.1	Catalyst 6500 48 port 100Base-X SFP module
WS-X6148-FE-SFP	3.6.0	48 port 100BASE-FX Fast Ethernet Switching Module
WS-X6148-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6148-RJ-21	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6148-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6148X2-RJ-45	3.6.0	96 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6196-RJ-21	3.6.0	96 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6248A-TEL	3.6.0	48 port 10/100TX RJ-21 Enhanced Ethernet/Fast Ethernet Switching Module
WS-X6248-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6248-TEL	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6316-GE-TX	3.6.0	16-port Gigabit Ethernet RJ-45
WS-X6324-100FX-SM	3.6.0	24 port 100FX Single Mode Fast Ethernet Switching Module
WS-X6348-RJ-21	3.6.0	6500 48 port 10/100BaseTX (RJ-21)
WS-X6348-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6408A-GBIC	3.6.0	8-port Gigabit Ethernet GBIC Enhanced QoS Module
WS-X6408-GBIC	3.6.0	8-port Gigabit Ethernet GBIC
WS-X6416-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6502-10GE	3.6.0	1-port 10-Gigabit Ethernet
WS-X6516A-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6516-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6516-GE-TX	3.6.0	16 port 10/100/1000 Base-T Ethernet Switching Module
WS-X6548-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module

Table 6-65 **Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7**

Module Name	ANA Version	Module Description
WS-X6548-RJ-21	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6548-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6582-2PA	3.6.0	Enhanced FlexWAN Module;
WS-X6700-CFC	3.6.0	Centralized Forwarding Card
WS-X6704-10GE	3.6.0	4-port 10-Gigabit Ethernet
WS-X6708-10G-3C	3.6.1	C6K 8 port 10 Gigabit Ethernet module with DFC3C (req. X2)
WS-X6708-10GE	3.6.3	C6K 8 port 10 Gigabit Ethernet module with DFC
WS-X6724-SFP	3.6.0	24-port Gigabit Ethernet SFP
WS-X6748-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6748-SFP	3.6.0	48-port Gigabit Ethernet SFP
WS-X6816-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6K-S1A-MSFC2	3.6.1	Catalyst 6000 Supervisor Engine 1A, 2 Gigabit Ethernet, plus MSFC2 and policy feature card (PFC)
WS-X6K-S2-MSFC2	3.6.1	Catalyst 6500 Supervisor Engine-2, 2GE, plus MSFC-2 / PFC-2
WS-X6K-SUP2-2GE	3.6.1	Supervisor 2 with 2 Gigabit Ethernet ports
X2-10GB-SR	3.6.5	10GBASE-SR Serial 850-nm short-reach multimode (MMF)
XENPAK-10GB-ER	3.6.0	10GBASE-ER Serial 1550-nm extended-reach, single-mode fiber (SMF), dispersion-shifted fiber (DSF)
XENPAK-10GB-LR	3.6.4	10 Gigabit Ethernet Serial 1310nm Laser Xenpak Module
XENPAK-10GB-SR	3.6.0	10GBASE-SR Serial 850-nm short-reach multimode fiber (MMF)
XFP-10GLR-OC192SR	3.6.4	OC192 XFP Single Mode Long Reach 2 (80km).

Cisco Catalyst 6500 Series (IOS)—Supported Technologies

The following technologies are supported by the Cisco Catalyst 6500 Series (IOS) in Cisco ANA Version 3.7:

- [IP, page 6-65](#)
- [Routing Protocols, page 6-67](#)
- [Ethernet \(IEEE 802.3\), page 6-68](#)
- [ATM, page 6-73](#)
- [Point to Point, page 6-77](#)
- [Physical Technologies, page 6-78](#)
- [MPLS, page 6-79](#)
- [MPLS TE, page 6-81](#)
- [VPN, page 6-82](#)
- [PWE3, page 6-84](#)
- [ACL, page 6-85](#)
- [Physical Equipment, page 6-86](#)
- [Base Logical Components, page 6-87](#)
- [Common, page 6-88](#)
- [Additional Technologies, page 6-89](#)
- [Local Switching, page 6-90](#)
- [BFD, page 6-90](#)
- [Carrier Ethernet, page 6-91](#)
- [CDP, page 6-93](#)
- [Discovery Protocol, page 6-93](#)
- [VTP, page 6-94](#)
- [REP, page 6-94](#)
- [CFM, page 6-95](#)

Cisco Catalyst 6500 Series (IOS)—Supported Service Events

Table 6-66 *Supported Service Events for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7*

Event Name	ANA Version	Expedited
Primary HSRP Interface Active/Inactive	3.6.0	N
Secondary HSRP Interface Active/Inactive	3.6.0	N
All IP Interfaces Down / Active IP Interfaces Found	3.6.0	Y
Interface Status Down/Up	3.6.0	Y
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
BGP Neighbor Down	3.6.0	N
Card Up/Down	3.6.0	Y
Adaptive Polling	3.6.0	N
BGP link down	3.6.1	Y
MPLS interface removed	3.6.0	Y
Shelf out	3.6.7	N
VSI Up/Down	3.6.7	N
VSI Admin Down	3.6.7	N
EFP Up/Down	3.6.7	N
EFP Admin Down	3.6.7	N
EFP down due to error disabled	3.6.7	N
Vlan Tagged Interface Up/Down	3.6.7	N
Vlan Tagged Interface AdminDown	3.6.7	N
CFM Domain Fault	3.7	N

Cisco Catalyst 6500 Series (IOS)—Supported Commands

Table 6-67 *Supported Commands for Cisco Catalyst 6500 Series (IOS)—Cisco ANA Version 3.7*

Command	ANA Version
Configure CFM Maintenance Domain	3.7
Configure CFM Global Parameters	3.7
Configure CFM MIP	3.7
Configure CFM Continuity Check	3.7
Configure CFM Service ID	3.7
Configure CFM MEP	3.7
Enable CFM Continuity Check	3.7
Enable CFM SNMP Server Traps	3.7
Diagnose CFM with Show MEP Status	3.7
Diagnose CFM with Show MEP Crosscheck Status	3.7
Diagnose CFM with Ping Remote MEP with MAC	3.7
Diagnose CFM with Ping Remote MEP with MPID	3.7
Diagnose CFM with Ping Remote MEP with Multicast	3.7
Diagnose CFM with Traceroute Remote MEP with MAC	3.7
Diagnose CFM with Traceroute Remote MEP with MPID	3.7
Show REP Segment Information	3.7

Cisco ME 6500 Series Ethernet Switches (6524)

This section includes the following information about Cisco ME 6500 Series (6524) switches (for information on the NE types supported in Cisco ANA Version 3.7, see [Cisco ME 6500 Series Ethernet Switches \(6524\)](#)):

- [Cisco ME 6500 Series \(6524\)—Supported Software Versions, page 6-60](#)
- [Cisco ME 6500 Series \(6524\)—Supported Topologies, page 6-60](#)
- [Cisco ME 6500 Series \(6524\)—Supported Modules, page 6-60](#)
- [Cisco ME 6500 Series \(6524\)—Supported Technologies, page 6-61](#)
- [Cisco ME 6500 Series \(6524\)—Supported Service Events, page 6-62](#)
- [Cisco ME 6500 Series \(6524\)—Supported Commands, page 6-63](#)

Cisco ME 6500 Series (6524)—Supported Software Versions

Table 6-68 *Supported Software Versions for Cisco ME 6500 Series (6524)—Cisco ANA Version 3.7*

Software Version	ANA Version
12.2	3.6.0
12.2(18)ZU	3.6.0 ¹
12.2(18)ZU1	3.6.0 ²
12.2(18)ZU2	3.6.0 ³
12.2(33)SXI	3.7 ⁴

^{1, 2, 3, 4}ANA models pluggable ports for this IOS version.

Cisco ME 6500 Series (6524)—Supported Topologies

Table 6-69 *Supported Topologies for Cisco ME 6500 Series (6524)—Cisco ANA Version 3.7*

Topology Type	Link Type	ANA Version
ATM	ATM	3.6.0
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
MPLS	MPLS	3.6.0
VPN (VRF)	VPN	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco ME 6500 Series (6524)—Supported Modules

Table 6-70 *Supported Modules for Cisco ME 6500 Series (6524)—Cisco ANA Version 3.7*

Module Name	ANA Version	Module Description
ME-C6524GT-8S	3.6.0	32 ports Cisco ME 6524 Ethernet Switch Rev. 1.1
WS-6148A-GE-TX	3.6.0	Catalyst 6500 48 port 10/100/1000BaseTX (RJ-45) module
WS-6148-GE-TX	3.6.0	Catalyst 6000 48 port 10/100/1000BaseT (RJ-45) module

Cisco ME 6500 Series (6524)—Supported Technologies

The following technologies are supported by the Cisco ME 6500 Series (6524) in Cisco ANA Version 3.7:

- [IP](#), page 6-65
- [Routing Protocols](#), page 6-67
- [Ethernet \(IEEE 802.3\)](#), page 6-68
- [MPLS](#), page 6-79
- [MPLS TE](#), page 6-81
- [VPN](#), page 6-82
- [PWE3](#), page 6-84
- [ACL](#), page 6-85
- [Physical Equipment](#), page 6-86
- [Base Logical Components](#), page 6-87
- [Common](#), page 6-88
- [Additional Technologies](#), page 6-89
- [Carrier Ethernet](#), page 6-91
- [LLDP](#), page 6-92
- [CDP](#), page 6-93
- [Discovery Protocol](#), page 6-93
- [VTP](#), page 6-94
- [REP](#), page 6-94
- [CFM](#), page 6-95

Cisco ME 6500 Series (6524)—Supported Service Events

Table 6-71 Supported Service Events for Cisco ME 6500 Series (6524)—Cisco ANA Version 3.7

Event Name	ANA Version	Expedited
Primary HSRP Interface Active/Inactive	3.6.0	N
Secondary HSRP Interface Active/Inactive	3.6.0	N
All IP Interfaces Down / Active IP Interfaces Found	3.6.0	Y
Interface Status Down/Up	3.6.0	Y
Card In/Out	3.6.0	Y
Link Down/Up	3.6.0	Y
Device Unreachable	3.6.0	N
CPU Over Utilized	3.6.0	N
Memory Over Utilized	3.6.0	N
Device Unsupported	3.6.0	N
Discard Packets	3.6.0	N
Dropped Packets	3.6.0	N
Module Unsupported	3.6.0	N
Port Flapping	3.6.0	N
Port Down	3.6.0	Y
Rx Over Utilized	3.6.0	N
Tx Over Utilized	3.6.0	N
VPN Leak	3.6.0	N
Cloud Problem	3.6.0	N
Broken LSP Discovered	3.6.0	N
MPLS Black Hole	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
MPLS TE Tunnel Down/Flapping	3.6.0	N
BGP Neighbor Down	3.6.0	N
Card Up/Down	3.6.0	Y
Vlan Tagged Interface Up/Down	3.6.7	N
Vlan Tagged Interface AdminDown	3.6.7	N
CFM Domain Fault	3.7	N

Cisco ME 6500 Series (6524)—Supported Commands

Table 6-72 *Supported Commands for Cisco ME 6500 Series (6524)—Cisco ANA Version 3.7*

Command	ANA Version
Configure CFM Maintenance Domain	3.7
Configure CFM Global Parameters	3.7
Configure CFM MIP	3.7
Configure CFM Continuity Check	3.7
Configure CFM Service ID	3.7
Configure CFM MEP	3.7
Enable CFM Continuity Check	3.7
Enable CFM SNMP Server Traps	3.7
Diagnose CFM with Show MEP Status	3.7
Diagnose CFM with Show MEP Crosscheck Status	3.7
Diagnose CFM with Ping Remote MEP with MAC	3.7
Diagnose CFM with Ping Remote MEP with MPID	3.7
Diagnose CFM with Ping Remote MEP with Multicast	3.7
Diagnose CFM with Traceroute Remote MEP with MAC	3.7
Diagnose CFM with Traceroute Remote MEP with MPID	3.7
Show REP Segment Information	3.7

Supported Technologies on Cisco Switches

The following sections list the objects and attributes that are supported on Cisco switches in Cisco ANA Version 3.7 per technology:

- [IP, page 6-65](#)
- [Routing Protocols, page 6-67](#)
- [Ethernet \(IEEE 802.3\), page 6-68](#)
- [ATM, page 6-73](#)
- [Frame Relay, page 6-76](#)
- [Point to Point, page 6-77](#)
- [Physical Technologies, page 6-78](#)
- [MPLS, page 6-79](#)
- [MPLS TE, page 6-81](#)
- [VPN, page 6-82](#)
- [PWE3, page 6-84](#)
- [ACL, page 6-85](#)
- [Physical Equipment, page 6-86](#)
- [Base Logical Components, page 6-87](#)
- [Common, page 6-88](#)
- [Additional Technologies, page 6-89](#)
- [Local Switching, page 6-90](#)
- [BFD, page 6-90](#)
- [Carrier Ethernet, page 6-91](#)
- [LLDP, page 6-92](#)
- [CDP, page 6-93](#)
- [Discovery Protocol, page 6-93](#)
- [VTP, page 6-94](#)
- [REP, page 6-94](#)
- [CFM, page 6-95](#)

IP

Table 6-73 IP Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IM0 Name—IIPInterface															
IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Subnetwork Mask	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IP Interface Addresses Array	Y			Y	Y		Y					Y	Y	Y	Y
Interface Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Interface Description					Y		Y	Y				Y		Y	Y
IP Interface State	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
OSPF Interface Cost														Y	
Broadcast Address								Y						Y	
MTU															
Lookup Method															
Address Resolution Type															
ARP Timeout															
Secured ARP															
ICMP Mask Reply															
IGMP Proxy															
HSRP Groups							Y		Y ¹					Y	Y
IP Multiplexing Table															
IANA Type								Y							
Containing CTPs															
Contained CTPs															
IM0 Name—IIPMuxEntry															
Termination Point				Y	Y		Y							Y	Y
Destination IP Subnet				Y	Y		Y							Y	Y
IM0 Name—IIRoutingEntity															
Routing Table	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y
ARP Entity	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y
Routing Table Changes												Y			
Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y
Logical Sons	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y
IM0 Name—IIRoutingEntry															
Destination IP Subnet	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 6-73 IP Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Next Hop IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Routing Protocol Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Outgoing Interface Name	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
IMO Name—IARPEntity															
ARP Table	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y
IMO Name—IARPEntity															
IP Address	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
MAC Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Port	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Entry Type							Y	Y		Y		Y		Y	Y
IMO Name—IIPPool															
IP Address Pool Entries															
Name															
Index															
IMO Name—IIPRangeBasedIPPoolEntry															
Start IP Address															
End IP Address															
Unused Addresses															
Used Addresses															
Reserved Addresses															
IMO Name—IIPSubnetBasedIPPoolEntry															
IP Subnet															
Unused Addresses															
Used Addresses															
Reserved Addresses															
IMO Name—HSRPGroupEntry															
Group Number							Y		Y ²	Y ³				Y	Y
Port Description							Y		Y ⁴	Y ⁵				Y	Y
Priority							Y		Y ⁶	Y ⁷				Y	Y
Coupled Router							Y		Y ⁸	Y ⁹				Y	Y
State							Y		Y ¹⁰	Y ¹¹				Y	Y
Tracking Interfaces															
Virtual IP Address							Y		Y ¹²	Y ¹³				Y	Y

Table 6-73 IP Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Virtual MAC Address							Y		Y ¹⁴	Y ¹⁵				Y	Y
IMO Name—I Tunnel I GRE															
Name							Y		Y ¹⁶	Y ¹⁷	Y	Y		Y	Y
Tunnel Destination and Source							Y		Y ¹⁸	Y ¹⁹	Y	Y		Y	Y
IP Address							Y		Y ²⁰	Y ²¹	Y	Y		Y	Y
IP Interface State										Y				Y	Y
IANA Type															
Containing CTPs															
Contained CTPs															
Keep Alive Time							Y			Y		Y			
Keep Alive Retry							Y			Y		Y			

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 Supported for 4503E, 4507RE, 4507, and 4506E only.

12, 13, 14, 15, 16, 17, 18, 19, 20, 21 Validated with 12.2(52)SG only.

Routing Protocols

Table 6-74 Routing Protocols Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—I Bgp Neighbor Entry															
Remote Identifier					Y		Y		Y ¹	Y ²	Y			Y	Y
Neighbor Type															
Distributing Interfaces															
Remote Address					Y		Y		Y ³	Y ⁴	Y			Y	Y
Remote Autonomous System					Y		Y		Y ⁵	Y ⁶	Y			Y	Y
Peer State					Y		Y		Y ⁷	Y ⁸	Y			Y	Y
Hold Time					Y		Y		Y ⁹	Y ¹⁰	Y			Y	Y
Keep Alive Time					Y		Y		Y ¹¹	Y ¹²	Y			Y	Y
VrfName															
Address family					Y										

Table 6-74 Routing Protocols Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IOSpfEntry															
Area Identifier		Y					Y		Y ¹³	Y ¹⁴	Y			Y	Y
IP Address		Y					Y		Y ¹⁵	Y ¹⁶	Y			Y	Y
Type		Y					Y		Y ¹⁷	Y ¹⁸	Y			Y	Y
Administrative Status		Y					Y		Y ¹⁹	Y ²⁰	Y			Y	Y
Ospf Entry State		Y					Y		Y ²¹	Y ²²	Y			Y	Y

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11Supported for 4503E, 4507RE, 4507, and 4506E only.

12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22Validated with 12.2(52)SG only.

Ethernet (IEEE 802.3)

Table 6-75 Ethernet (IEEE 802.3) Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—ILinkAggregationGroup802dot3ad															
dot3adAggMACAddress	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggActorSystemPriority	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggActorSystemID	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggActorAdminKey	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggActorOperKey	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggPartnerSystemID	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggPartnerSystemPriority	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggPartnerOperKey	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggCollectorMaxDelay	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
GroupNumber	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y
AggregationProtocolType	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y
MacAddress	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y
ChannelAdminStatus	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y
ChannelOperStatus	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IEthernet															
MAC Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 6-75 Ethernet (IEEE 802.3) Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Duplex Mode															
Output Flow Control															
Input Flow Control															
IANA Type															Y
Containing CTPs															
Contained CTPs															
Port Type		Y													
IMO Name—IVlanInterface															
Mode		Y		Y	Y	Y	Y		Y ¹	Y	Y		Y	Y	Y
Native VLAN Identification		Y		Y	Y	Y	Y		Y ²	Y	Y		Y	Y	Y
Virtual LAN Table															
IANA Type															Y
Containing CTPs															
Contained CTPs															
vlanAdminType		Y					Y			Y			Y		
vlanencapType		Y					Y			Y			Y		
getAccess															
Allowed Vlans							Y			Y			Y		
IMO Name—IVlanEncapMux															
IANA Type						Y	Y								
Containing CTPs															
Contained CTPs															
IMO Name—IVlanMapping															
direction		Y ³					Y							Y	Y
vlanMatchCriteria		Y ⁴					Y							Y	Y
vlanRewriteDefinition		Y ⁵					Y							Y	Y
Drop		Y ⁶					Y							Y	Y
Vlan		Y ⁷					Y							Y	Y
innerVlan		Y ⁸					Y							Y	Y
translatedVlan		Y ⁹					Y							Y	Y
translatedInnerVlan		Y ¹⁰					Y							Y	Y
IMO Name—IIEEE802															
VLAN Identification		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y
Binding Information															

Table 6-75 Ethernet (IEEE 802.3) Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Binding Status															
IANA Type			Y	Y	Y	Y	Y	Y	Y					Y	Y
Containing CTPs															
Contained CTPs															
IMO Name—IStpService															
StpProtocol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpMaxAge	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
StpHelloTime	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
StpBridgeForwardDelay	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
StpInstanceInfoTable	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Same as ISystemService															
StpUplinkFastState	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpBackboneFastState	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpForwardDelay	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
StpBridgeMaxAge	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
StpBridgeHelloTime	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IMstService															
MstProperties						Y						Y			
Same as IStpService						Y						Y			
IMO Name—IPvstpService															
UpLinkFast	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y		Y	Y	Y
BackboneFast	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y		Y	Y	Y
IMO Name—IMstProperties															
MstForceVersion	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
MstCfgIdFmtSel	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
MstExternalRootCost	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
MstMaxInstances	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
MstCfgIdName	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
MstCfgIdRevLevel	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
IMO Name—IStpInstanceInfo															
Object Identification															
StpBridgeId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
BridgePriority	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y

Table 6-75 Ethernet (IEEE 802.3) Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Designated Parent and Root Bridges	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpRootCost	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
IsRoot	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpRootPort	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpPortInfoTable	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
STP Instance Id	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Vlan Id															
StpDesignatedBridge	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpDesignatedRoot	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
IMO Name—IMstInstanceInfo															
MstVlanIds	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Same as IStpInstanceInfo	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
IMO Name—IPvstplInstanceInfo															
Protocol Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpBridgeMaxAge	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpBridgeHelloTime	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpBridgeForwardDelay	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpProtocolSpecification	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpVlanId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpForwardDelay	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
StpMaxAge	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
IMO Name—IRstpInstanceInfo															
StpForceVersion	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Same as IStpInstanceInfo	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
IMO Name—IStpPortInfo															
StpPort	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpPortPriority	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpPortState	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpPortPathCost	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpPortEdgePort	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpPortPointToPoint	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpPortRole	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpDesignatedPortIdentifier	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	

Table 6-75 Ethernet (IEEE 802.3) Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
StpDesignatedBridge	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpPortIdentifier	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpPortBpduGuardState	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
StpPortBpduFilterState	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
IMO Name—IMstPortInfo															
MstPortHelloTime	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	
Same as IStpPortInfo	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
IMO Name—IPvstpPortInfo															
PvstpPortFastState	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
IMO Name—IEthernetChannel															
Group Number	Y ¹¹	Y	Y	Y ¹²	Y ¹³	Y	Y	Y	Y	Y	Y		Y	Y	Y
Bandwidth	Y ¹⁴	Y	Y	Y	Y ¹⁵	Y	Y	Y	Y	Y	Y		Y	Y	Y
Aggregation Protocol	Y ¹⁶	Y	Y	Y ¹⁷	Y ¹⁸	Y	Y	Y	Y	Y			Y	Y	Y
IANA Type	Y ¹⁹	Y	Y	Y ²⁰	Y ²¹	Y	Y	Y	Y	Y			Y	Y	Y
Containing CTPs															
Contained CTPs															
Mac Address							Y								
Admin Status							Y						Y		
Oper Status							Y						Y		

^{1, 2, 3, 4}SNMP is supported on ANA 3.6.0 and later.

^{5, 6, 7, 8, 9, 10, 11, 12}Supported on ME3400-E devices only.

^{13, 14, 15, 16, 17, 18, 19}SNMP is supported on ANA 3.6.0 and later.

^{20, 21}Supported for 12.2(25)EWA14 only.

ATM

Table 6-76 ATM Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IAtm															
ATM Address															
Interface Type															
VP and VC Ranges															
VC Table														Y	
Cross-Connect Table															
IANA Type														Y	
Containing CTPs															
Contained CTPs															
Tx Allocated Bandwidth														Y	
Tx Maximum Bandwidth														Y	
Tx UBR Allocated Bandwidth														Y	
Tx CBR Allocated Bandwidth														Y	
Rx Allocated Bandwidth														Y	
Rx Maximum Bandwidth														Y	
Rx UBR Allocated Bandwidth														Y	
Rx CBR Allocated Bandwidth														Y	
IMO Name—IAtmVc															
Virtual Channel Identifier														Y	
Virtual Path Identifier														Y	
Shaping Profile															
Discarded and Received Input Data Counters														Y	
Dropped and Forward Output Data Counters														Y	
Ingress Traffic Descriptor														Y	
Egress Traffic Descriptor														Y	
Administrative Status														Y	
Operational Status														Y	
IANA Type															
Containing CTPs															
Contained CTPs															

Table 6-76 ATM Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IAtmTrafficDescriptor															
Traffic Descriptor Type														Y	
Service Category														Y	
Cell Loss Priority														Y	
Cell Delay Variation															
Cell Delay Variation Tolerance														Y	
Maximum High Priority and Aggregate Cell Rates														Y	
Minimum High Priority and Aggregate Cell Rates														Y	
Sustainable High Priority and Aggregate Cell Rates														Y	
Peak High Priority and Aggregate Cell Rates														Y	
Name															
Index															
IMO Name—IAtmTrafficShapingDescriptor															
Maximum Burst Size															
Sustainable and Peak Cell Rates															
Cell Delay Variation															
State															
Buffer Size															
Cell Loss Priority Discarded Size															
Name															
Index															
IMO Name—IAtmTrunk															
Same as IAtm															
IMO Name—IAtmLogicalPort/Trunk															
Resource Management Cell Termination															
Resource Management Cell Generation															
Effective Check Input and Output Capacities															
Admin Status															

Table 6-76 ATM Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Oper Status															
Same as IAtm															
IMO Name—IAtmTrunkVc															
Destination Description															
Same as IAtmVc															
IMO Name—IIMAGroup															
AdminStatus															
OperStatus															
GroupNumber															
ImaVersion															
Speed															
ConfiguredBandwidth															
NumberOfLinks															
NumberOfActiveLinks															
MinimumNumberOfTxLinks															
MinimumNumberOfRxLinks															
ClockMode															
FrameLength															
interfaceName															
groupStatus															

Frame Relay

Table 6-77 Frame Relay Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—Iframerelay/IFrTrunk															
Protocol Type															
VC Table															
Cross-Connect Table															
IANA Type															
Containing CTPs															
Contained CTPs															
IMO Name—IfrVc															
Data Link Connection Identifier															
Traffic Descriptor															
Discard and Received Input Data Counters															
Dropped and Forward Output Data Counters															
Ingress Traffic Descriptor															
Egress Traffic Descriptor															
Administrative Status															
Operational Status															
IANA Type															
Containing CTPs															
Contained CTPs															
IMO Name—IFRTrafficDescriptor															
Committed Rate															
Excess Burst Rate															
Name															
Index															
IMO Name—IframerelayLogicalPort/Trunk															
Admin Status															
Oper Status															
Same as IFrameRelay															
IMO Name—IfrTrunkVc															
Destination Description															

Table 6-77 *Frame Relay Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)*

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Same as IFRVc															
IMO Name—IEncapsulation															
Virtual Connection Interface													Y		
Binding Information															

Point to Point

Table 6-78 *Point to Point Attribute Support on Cisco Switches—Cisco ANA Version 3.7*

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IvcBasedEncapsulation															
Virtual Connection															
Binding Information															
Binding Status													Y		
IANA Type													Y		
Containing CTPs															
Contained CTPs															
IMO Name—Iencapsulation (HDLC/PPP)															
Virtual Connection															
Binding Information														Y	
Binding Status														Y	
IANA Type														Y	
Containing CTPs															
Contained CTPs															

Physical Technologies

Table 6-79 Physical Technologies Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IsonetSdh															
Specific Type															
Loopback Type														Y	
Scrambling Mode														Y	
Same as IPhysicalLayer															
TCAThresholdB1															
TCAThresholdB2															
TCAThresholdB3															
clocking															
IMO Name—IDS0Bundle															
Bundled Time Slots														Y	
Bundle Location															
IANA Type														Y	
Containing CTPs															
Contained CTPs															
AdminStatus															
OperStatus															
IMO Name—IDS1Pdh / IDS3Pdh															
Framing Type															
Cell Mapping Type															
Loopback Type														Y	
Scrambling Mode														Y	
Same as IPhysicalLayer															
portDescription															
internationalBit															
nationalBits															
framing															
lineCode															
cableLength															
recoveredClockingId															
clocking															

Table 6-79 Physical Technologies Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
loopback															
alarmState															

MPLS

Table 6-80 MPLS Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IMpls															
Distribution Protocol							Y							Y	Y
Outer and Inner Labels															
Traffic Engineering Properties							Y							Y	Y
Resource reservation Properties															
IANA Type							Y							Y	
Containing CTPs															
Contained CTPs															
IMO Name—ILse															
MPLS Table							Y							Y	Y
MPLS Aggregate Table							Y							Y	Y
MPLS Tunnel Segments							Y								
LDP Service							Y								
Logical Sons							Y							Y	Y
IMO Name—ILdpService															
Local Identification Status							Y								
LDP Peers							Y							Y	Y
IMO Name—ILdpPeer															
Peer Identification							Y							Y	Y
Transport Address							Y							Y	Y
Distribution Method							Y							Y	Y
Protocol Type							Y								
Path Vector Limit							Y							Y	Y
Session Status							Y							Y	Y

Table 6-80 MPLS Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Protocol Version Hold Time														Y	Y
Hold Time							Y							Y	Y
Keep Alive Time														Y	Y
Peer Discovery Sources							Y							Y	Y
IMO Name—ILdpDiscoverySource															
Interface Name							Y							Y	Y
Source Address							Y							Y	Y
Type							Y							Y	Y
IMO Name—IMplsEntry															
Incoming Label							Y							Y	Y
Outgoing Interface and Label							Y							Y	Y
Switching Action							Y							Y	Y
Next Hop IP Address							Y							Y	Y
Destination Mask							Y							Y	Y
Destination address							Y							Y	Y
IMO Name—IMplsAggregateEntry															
Virtual Routing Entity							Y							Y	Y
Incoming Label							Y							Y	Y
Outgoing Interface and Label							Y							Y	Y
Switching Action							Y							Y	Y
Next Hop IP Address							Y							Y	Y

MPLS TE

Table 6-81 MPLS TE Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMo Name—IMplsTETunnel															
Destination Address							Y							Y	Y
Outgoing Interface and Label							Y							Y	Y
LSP Identification							Y							Y	Y
Requested Bandwidth							Y							Y	Y
Measured Average Burst and Peak Bandwidth							Y							Y	Y
Setup and Hold Priority							Y							Y	Y
Affinity Bits and Mask							Y							Y	Y
Automatic Route Announcement Status							Y							Y	Y
Optimization Lock Down Status							Y							Y	Y
Path Type							Y							Y	Y
Name							Y							Y	Y
Description							Y							Y	Y
Administrative Status							Y							Y	Y
Operational Status							Y							Y	Y
IANA Type							Y							Y	Y
is FRR Enabled															
IMo Name—IMplsTEProperties															
Administrative Weight							Y							Y	Y
Attributes Identifier															Y
Signaling Protocol							Y							Y	
Available Physical and Reservable Bandwidth							Y							Y	Y
Reserved Bandwidth							Y							Y	Y
IMo Name—IMplsTEPropertiesAllocationEntry															
Priority Level															
Allocated and Cumulative Bandwidth															
IMo Name—IMplsTESegment															
Segment Type							Y							Y	Y

Table 6-81 MPLS TE Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Measured Average Burst and Peak Bandwidth							Y							Y	Y
LSP Identification							Y							Y	Y
Name							Y							Y	Y
FRRTunnelName															
FRRTunnelState															
AverageBandwidth							Y							Y	Y
In Interface							Y							Y	Y
Out interface							Y							Y	Y
In Label							Y							Y	Y
Out Label							Y							Y	Y
Source address							Y							Y	Y
Destination address							Y							Y	Y

VPN

Table 6-82 VPN Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IVrf															
Virtual Routing Table					Y		Y							Y	Y
Exported Route Targets					Y		Y							Y	Y
Imported Route Targets					Y		Y							Y	Y
Route Distinguisher					Y		Y							Y	Y
ARP Entity					Y		Y							Y	Y
Name					Y		Y							Y	Y
Logical Sons					Y		Y							Y	Y
Description															
Import Route-Map															
Export Route-Map															
IMO Name—IVrfEntry															
Next Hop BGP Address					Y		Y							Y	Y

Table 6-82 VPN Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Incoming and Outgoing Inner Label					Y		Y							Y	Y
Outer Label					Y		Y							Y	Y
Destination IP Subnet					Y		Y							Y	Y
Next Hop IP Address					Y		Y							Y	Y
Type					Y		Y							Y	Y
Routing Protocol Type					Y		Y							Y	Y
Outgoing Interface Name					Y		Y							Y	Y
IMO Name—IMpBgp															
BGP Identifier					Y		Y		Y	Y	Y			Y	Y
Local Autonomous System					Y		Y		Y	Y	Y			Y	Y
Cross Virtual Routing Table							Y								
BGP Neighbors					Y		Y		Y	Y	Y				Y
Logical Sons					Y		Y							Y	Y
IMO Name—ICrossVrf															
Virtual Routing Entries							Y								
Virtual Routing Entity Name							Y								
IMO Name—ICrossVrfRoutingEntry															
Outgoing Virtual Routing Entity Identifier															
Incoming and Outgoing Virtual Routing Tags															
Destination IP Subnet							Y							Y	Y
Next Hop IP Address							Y							Y	Y
Type							Y							Y	Y
Routing Protocol Type							Y							Y	Y
Outgoing Interface Name															

PWE3

Table 6-83 PWE3 Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IPTPLayer2MplsTunnel															
Local and Remote Router Addresses							Y							Y	Y
Local and Remote Virtual Connection Labels							Y							Y	Y
Tunnel Identification							Y							Y	Y
Tunnel Status							Y							Y	Y
Local and Remote Tunnel Interface															Y
IANA Type							Y							Y	Y
Containing CTPs															
Contained CTPs															
PsuedowireType							Y							Y	
PreferredPathTunnel							Y							Y	
LocalMTU							Y							Y	
RemoteMTU							Y							Y	
PeerStatus							Y							Y	
SignalingProtocol							Y							Y	
VFIName							Y							Y	

ACL

Table 6-84 ACL Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IM0 Name—IAccessList															
Type		Y					Y		Y ¹	Y ²	Y			Y	Y
Access List Entries		Y					Y		Y ³	Y ⁴	Y			Y	Y
Name or Id		Y					Y		Y ⁵	Y ⁶	Y			Y	Y
Index		Y					Y		Y ⁷	Y ⁸	Y			Y	Y
IM0 Name—IAccessListEntry															
Entry Identification		Y					Y		Y ⁹	Y ¹⁰	Y			Y	Y
Action Logic		Y					Y		Y ¹¹	Y ¹²	Y			Y	Y
Source and Destination Address		Y					Y		Y ¹³	Y ¹⁴	Y			Y	Y
Source and Destination Wildcard		Y					Y		Y ¹⁵	Y ¹⁶	Y			Y	Y
Protocol Type		Y					Y		Y ¹⁷	Y ¹⁸	Y			Y	Y
Source and Destination Port Ranges		Y					Y		Y ¹⁹	Y ²⁰	Y			Y	Y
Source and Destination Port Action		Y					Y		Y ²¹	Y ²²	Y			Y	Y
Protocol Specific Info		Y					Y		Y ²³	Y ²⁴	Y			Y	Y
Differential Services Code Points		Y					Y		Y ²⁵	Y ²⁶	Y			Y	Y
Type of Service		Y					Y		Y ²⁷	Y ²⁸	Y			Y	Y
Precedence		Y					Y		Y ²⁹	Y ³⁰	Y			Y	Y
Matches		Y					Y		Y ³¹	Y ³²	Y			Y	Y

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Supported for 4503E, 4507RE, 4507, and 4506E only.

17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 Validated with 12.2(52)SG only.

Physical Equipment

Table 6-85 Physical Equipment Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IChassis															
Description		Y ¹			Y		Y	Y	Y	Y	Y		Y	Y	Y
Equipment Holder Type			Y				Y	Y	Y						Y
Contained Equipment Holders															
Contained Equipments															
Serial Number	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IShelf															
Description															
Status															
Equipment Holder Type															
Contained Equipment Holders															
Contained Equipments															
Serial Number															
IMO Name—IModule															
Module Name	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Module Description		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Software Version	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Operational Status	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Hardware Type + Version	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Managed IP Address															
Redundant Equipment															
Configured Redundancy									Y						
Redundancy Status			Y	Y	Y	Y			Y					Y	Y
Operational Status Last Changed		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y
Supported Physical Termination Points		Y							Y	Y	Y			Y	Y
Serial Number (soft property)	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Slots Number															

¹Supported for 12.2(50)SE only.

Base Logical Components

Table 6-86 Base Logical Components Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IManagedElement															
IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Communication State	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Investigation State	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Element Category	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Element Type and Key	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Device Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
System Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
System Description	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Up Time	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Software Version	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Vendor Identity	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Memory and CPU Usage	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DRAM Free	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DRAM Used	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Flash Device Size	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
NVRAM Size	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Processor DRAM	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Sys Contact	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Sys Location	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Serial Number	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
File Systems															
IMO Name—IContext															
Name				Y	Y		Y								Y
Bounded Connections															
IP Address Pools															
Forwarding Components List															
Traffic Descriptors List															
Tunnel Containers List															
Data Link Aggregation Containers List															

Table 6-86 Base Logical Components Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—ISystemService															
Type															
Status															
Up Time	Y	Y	Y	Y	Y	Y	Y	Y	Y				Y	Y	Y

Common

Table 6-87 Common Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IPhysicalLayer															
Media Type	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y
Clocking Source														Y	Y
Maximum Speed	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Is Internal Port	Y	Y	Y	Y	Y	Y	Y		Y				Y	Y	Y
Discarded Bandwidth															
Dropped Bandwidth															
Input Bandwidth															
Output Bandwidth															
Discarded and Received Input Data Counters	Y		Y	Y	Y	Y	Y	Y	Y				Y	Y	Y
Dropped and Forward Output Data Counters	Y		Y	Y	Y	Y	Y	Y	Y				Y	Y	Y
Administrative Status	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Operational Status	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Last Changed	Y		Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y
IANA Type	Y		Y	Y	Y	Y	Y		Y				Y	Y	Y
Containing CTPs															
Contained CTPs															
Port Alias	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Location	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Sending Alarms	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Connector Description	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y

Table 6-87 Common Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
Part ID	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Connector Serial Num	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Product	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Status	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Managed	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IM0 Name—IBridge															
Bridge Table	Y	Y		Y	Y			Y	Y	Y	Y		Y	Y	Y
Type	Y	Y		Y	Y				Y	Y	Y		Y	Y	Y
MAC Address	Y	Y		Y	Y			Y	Y	Y	Y	Y	Y	Y	Y
IP Interface	Y			Y	Y			Y	Y			Y		Y	Y
Name	Y	Y		Y	Y			Y	Y	Y	Y	Y	Y	Y	Y
Logical Sons	Y	Y		Y	Y			Y	Y	Y	Y		Y	Y	Y
Vlan Type		Y													
IM0 Name—IBridgeEntry															
Destination MAC	Y	Y		Y	Y			Y	Y	Y	Y		Y	Y	Y
Outgoing Interface		Y								Y	Y		Y	Y	Y

Additional Technologies

Table 6-88 Additional Technologies Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IM0 Name—POS															
POS		Y		Y	Y		Y			Y	Y			Y	Y

Local Switching

Table 6-89 Local Switching Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—ILocalSwitchingEntity															
LocalSwitchingTable							Y							Y	
IMO Name—ILocalSwitchingEntry															
Local Switching Entry Key							Y							Y	
Local Switching Entry Status							Y							Y	
Segment 1							Y							Y	
Segment 1 Port Name							Y							Y	
Segment 1 Status							Y							Y	
Segment 2							Y							Y	
Segment 2 Port Name							Y							Y	
Segment 2 Status							Y							Y	

BFD

Table 6-90 BFD Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IBfdService															
Status							Y							Y	
IMO Name—IBfdSession															
SourceIp							Y							Y	
DestinationIp							Y							Y	
Interval							Y							Y	
Multiplier							Y							Y	
Protocol							Y							Y	
State							Y							Y	
Interface							Y							Y	
Process							Y							Y	

Carrier Ethernet

Table 6-91 Carrier Ethernet Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IVsi															
vsiInstanceName														Y	Y
vpnId														Y	Y
discoveryMode														Y	Y
vsiMode														Y	Y
Operational state														Y	Y
Administrative state														Y	Y
IMO Name—IPseudowireProperties															
isSplitHorizonEnabled														Y	
isAutoDiscovered														Y	
IMO Name—IVLANTaggedInterface															
InterfaceName														Y	
Inner Vlan Id														Y	
Outer Vlan Id														Y	
Encap Type														Y	
Operational state														Y	
Administrative state														Y	
ConfiguredDescription														Y	
IMO Name—IEfp															
EfpId														Y ¹	
RewriteParams														Y ²	
EncapsParams														Y ³	
AdminStatus														Y ⁴	
OperStatus														Y ⁵	
SplitHorizonGroup														Y ⁶	
MatchCriteria												Y ⁷			
ConfiguredDescription														Y	
GetServiceInstanceId														Y ⁸	
SetServiceInstanceId														Y ⁹	
matchCriteria															

1, 2, 3, 4, 5, 6, 7, 8, 9SNMP is used with versions greater than SRD.

LLDP

Table 6-92 LLDP Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—ILLDPService															
status	Y ¹	Y ²				Y	Y ³		Y ⁴	Y ⁵	Y				Y ⁶
lldpAdvertisementsInterval	Y ⁷	Y ⁸				Y	Y ⁹		Y ¹⁰	Y ¹¹	Y				Y ¹²
lldpHoldTime	Y ¹³	Y ¹⁴				Y	Y ¹⁵		Y ¹⁶	Y ¹⁷	Y				Y ¹⁸
lldpReinitialisationDelay	Y ¹⁹	Y ²⁰				Y	Y ²¹		Y ²²	Y ²³	Y				Y ²⁴
localChassisID	Y ²⁵	Y ²⁶				Y	Y ²⁷		Y ²⁸	Y ²⁹	Y				Y ³⁰
localSystemName	Y ³¹	Y ³²				Y	Y ³³		Y ³⁴	Y ³⁵	Y				Y ³⁶
IMO Name—ILLDPNeighbor															
localPortName	Y ³⁷	Y ³⁸				Y	Y ³⁹		Y ⁴⁰	Y ⁴¹	Y				Y ⁴²
remotePortDesc	Y ⁴³	Y ⁴⁴				Y	Y ⁴⁵		Y ⁴⁶	Y ⁴⁷	Y				Y ⁴⁸
remoteChassisId	Y ⁴⁹	Y ⁵⁰				Y	Y ⁵¹		Y ⁵²	Y ⁵³	Y				Y ⁵⁴
remoteManagementIP	Y ⁵⁵	Y ⁵⁶				Y	Y ⁵⁷		Y ⁵⁸	Y ⁵⁹	Y				Y ⁶⁰
localPortId	Y ⁶¹	Y ⁶²				Y	Y ⁶³		Y ⁶⁴	Y ⁶⁵	Y				Y ⁶⁶
remotePortId	Y ⁶⁷	Y ⁶⁸				Y	Y ⁶⁹		Y ⁷⁰	Y ⁷¹	Y				Y ⁷²
remoteDeviceId	Y ⁷³	Y ⁷⁴				Y	Y ⁷⁵		Y ⁷⁶	Y ⁷⁷	Y				Y ⁷⁸

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78¹LLDP links are not modeled properly on IOS version 12.2(51) and earlier IOS versions that support LLDP. This is because the IOS displays the port description in place of local port ID in LLDP Neighbor Table.

CDP

Table 6-93 CDP Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IM0 Name—ICdpService															
cdpHoldtime	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpMessageInterval	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpDeviceId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpState	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpVersion	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IM0 Name—ICdpNeighbor															
remoteDeviceId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
remotePortId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
remoteIPAddress	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
localPortId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Discovery Protocol

Table 6-94 Discovery Protocol Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IM0 Name—IDiscoveryProtocol															
DiscoveryProtocolType	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
Info	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y

VTP

Table 6-95 VTP Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IVtpService															
Version	Y	¹	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
OperatingMode	Y	²	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DomainName	Y	³	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
ConfigurationRevision	Y	⁴	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
isPruningEnabled	Y	⁵	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
isAuthenticationEnabled	Y	⁶	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

^{1, 2, 3, 4, 5, 6}The MIB provides data by default, but the device does not support VTP.

REP

Table 6-96 REP Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMO Name—IRESERVICE															
version	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
administrativeVlan	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
notificationEnabled	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
IMO Name—IRESegmentInfo															
segmentId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
segmentComplete	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
IMO Name—IRESPPortInfo															
portName	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
portKey	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
segmentId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
portType	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
portRole	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
operStatus	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
blockedVlans	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y

Table 6-96 REP Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
preemptTimer	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
lslAgeoutTimer	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
remoteDeviceName	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
remoteDeviceMac	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
remotePortName	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y

CFM

Table 6-97 CFM Attribute Support on Cisco Switches—Cisco ANA Version 3.7

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
IMC Name—ICfmservice															
cacheSize		Y					Y							Y	Y
maximumCacheSize		Y					Y							Y	Y
holdTime		Y					Y							Y	Y
version		Y					Y							Y	Y
maintenanceIntermediatePointsTable		Y					Y							Y	Y
maintenanceDomain		Y					Y							Y	Y
IMC Name—IMaintenanceDomain															
name		Y					Y							Y	Y
level		Y					Y							Y	Y
Id		Y					Y							Y	Y
maintenanceAssociation		Y					Y							Y	Y
IMC Name—IMaintenanceEndPoint															
macAddress		Y					Y							Y	Y
Interface		Y					Y							Y	Y
continuityCheckStatus		Y					Y							Y	Y
direction		Y					Y							Y	Y
IMC Name—IMaintenanceAssociation															
name		Y					Y							Y	Y
associationType		Y					Y							Y	Y

Table 6-97 CFM Attribute Support on Cisco Switches—Cisco ANA Version 3.7 (continued)

Attribute	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME
maximalMeps		Y					Y							Y	Y
continuityCheckInterval		Y					Y							Y	Y
continuityCheckEnable		Y					Y							Y	Y
crossCheckEnable		Y					Y							Y	Y
direction		Y					Y							Y	Y
bridge		Y					Y							Y	Y
maintenanceEndPoint		Y					Y							Y	
cfmRemoteMaintenanceEndPoint		Y					Y							Y	Y
IMO Name—IMaintenanceIntermediatePoint															
level		Y					Y							Y	Y
cfmInterface		Y					Y							Y	Y
isAutocreated		Y					Y							Y	Y
Vlans		Y					Y							Y	Y
macAddress		Y					Y							Y	Y
IMO Name—IRemoteMaintenanceEndPoint															
mepId		Y					Y							Y	Y
macAddress		Y					Y							Y	Y
level		Y					Y							Y	Y
maintenanceEndPointStatus		Y					Y							Y	Y
maintenanceEndPointOid		Y					Y							Y	Y