



**Cisco Aggregation Services Routers  
ASR 900 Series  
Feature Compatibility Matrix**

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Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers



Feature Name	RSP2	RSP3
	Supported Release	Supported Release
PPP MRRU Negotiation Configuration	3.14.0S	
MPLS - Multilink PPP support	3.14.0S	
Egress Policing on Non Priority Queues	3.13.0S	NA
Synchronous Ethernet (SyncE): ESMC & SSM		3.16.1S
MPLS TE NSR	3.13.0S	
Provide option to enable/disable USB	3.13.0S	3.16.1S
syslog and trigger support for external alarm	3.13.0S	3.16.1S
Support for IEEE 1588-2008 Precision Clock Synchronization Protocol	3.13.0S	3.16.1S
REP Configurable Timers aka REP Fast Hellos	3.13.0S	
QoS Packet Marking	3.13.0S	3.16.1S
1588-2008 Boundary Clock	3.13.0S	3.16.1S
Hot Standby Pseudowire Support for Ethernet	3.13.0S	
Hot Standby Pseudowire Support for TDM ACs	3.15.0S	
RMON Full	3.13.0S	

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	Supported Release	Supported Release
Y.1731 Performance Monitoring	3.13.0S	3.18.0S
Y.1731 Performance Monitoring ( Xconnect & Port-Channel Support )	3.13.0S	
Inverse Multiplexing over ATM (IMA)	3.15.0S	
Punt Policing and Monitoring	3.13.0S	3.16.1S
Multi-protocol BGP (MP-BGP) - MPLS VPN	3.13.0S	3.16.1S
Any Transport over MPLS (AToM): ATM AAL5 over MPLS (AAL5oMPLS)	3.15.0S	
Embedded Event Manager (EEM) 4.0	3.13.0S	3.16.1S
ITU-T G.8032 Ethernet Ring Protection Switching	3.13.0S	3.16.1S
Circuit Emulation over Packet Switched Network (CESoPSN)	3.14.0S	NA
Temperature and Voltage Monitoring	3.13.0S	3.16.1S
Egress policing and marking	3.13.0S	3.16.1S
1588 PTP Best Master Clock Algorithm (BMCA) a.k.a. PTP Redundancy	3.13.0S	3.16.1S
IPv6 Routing: IS-IS Support for IPv6	3.13.0S	3.16.1S
DHCPv6 - Relay chaining for Prefix Delegation	3.13.0S	
NTPv4 hardening through import of open source version 4.2.6p2 (July 2010)	3.13.0S	
MR-APS integration with hotstandby pseudowire	3.14.0S	
L2VPN Componentization	3.13.0S	3.16.1S
N:1 PVC mapping to PWE with non-unique VPI	3.15.0S	

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
E-OAM - CFM CCM Hardware Offload (802.1ag within ms accuracy)	3.13.0S	3.16.1S
E-OAM - CFM CCM Hardware Offload (802.1ag within ms accuracy) support for Xconnect & BD Up MEP	3.13.0S	3.16.1S
IPv4 unicast routing support	3.13.0S	3.16.1S
SAToP over MPLS	3.14.0S	NA
Circuit Emulation over IP PSN with UDP PW Demultiplexing	3.16.0S	
L2&L3 QoS ACL classification	3.16.1S	3.16.1S
SSO Support for REP Fast Hellos	3.13.0S	
QoS EXP matching	3.13.0S	3.16.1S
QoS Support	3.13.0S	3.16.1S
Dying Gasp Support for Loss of power supply via SNMP, Syslog and Ethernet OAM	3.14.0S	
6PE support	3.13.0S	
Min Link Support for Port channel	3.13.0S	3.18.0S
Port-Shaper and LLQ in the presence of EFPs	3.13.0S	3.16.1S
match any classification	3.13.0S	3.16.1S
IEEE BMCA	3.16.1S	3.16.1S
Right To Use (RTU) licensing support	3.13.0S	3.16.1S
QoS ACLs	3.13.0S	3.16.1S
IGMP Snooping on EFP	3.14.0S	3.16.1S
IGMP Snooping on Trunk EFP	3.14.0S	3.16.1S

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
IGMP Snooping on Port Channel	3.16.0S	
IGMP State Limit	3.13.0S	3.16.1S
iPv4 multicast per VRF		3.16.1S
L2VPN Protocol Based CLI	3.13.0S	3.16.1S
Storm Control	3.14.0S	3.19.0S
Ethernet Data Plane Loopback (with MAC swap)	3.14.0S	16.5.1
G.8032 and CFM support for Microwave Adaptive Bandwidth	3.13.0S	3.16.1S
Synthetic Frame Loss Measurement (ETH-SLM)	3.13.0S	3.18.0S
IPSLA Support for ETH-SLM (Ethernet Synthetic Loss Measurement in Y1731)	3.13.0S	3.18.0S
Switch Port Analyzer (SPAN)	3.13.0S	3.16.1S
Hybrid Clocking Support	3.13.0S	3.16.1S
Time of Day Selection	3.13.0S	3.16.1S
STM1 support	3.14.0S	
Any Transport over MPLS (AToM): Ethernet over MPLS (EoMPLS)	3.13.0S	3.16.1S
EVC & BD MIB support for trunk EFP	3.13.0S	3.16.1S
Ethernet Data-Plane Loopback - Route port support & HA	3.14.0S	
Trunk EFP Support on Ether-Channel Interfaces	3.13.0S	3.18.0S
Egress default queue limit improvement and percent bandwidth support	3.13.0S	3.16.1S

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
QoS EXP Marking for for Ingress on TDM	3.14.0S	
QoS EXP Marking for for Ingress on ATM	3.15.0S	
1588 BC over MPLS	3.13.0S	3.16.1S
SR/MR APS for OC12 port on OC3/OC12 IM	3.14.0S	
ITU-T Telecom Profile G.8265.1	3.13.0S	3.16.1S
IEEE 802.3ad Link Aggregation (LACP)	3.13.0S	3.18.0S
mlppp Egress QoS Support	3.14.0S	
Ingress QoS support for Serial Interface	3.14.0S	
QoS: Global CLI for CoS to EXP table mapping	3.14.0S	
PTP over Native Ethernet	3.13.0S	
QoS Support for Ether Channels	3.13.0S	3.18.0S
IP FRR/Remote LFA FRR with L2VPN	3.13.0S	3.16.1S
EVC Default Encapsulation for QinQ & xconnect		3.16.1S
Show Interface Capabilities		3.16.1S
MPLS-TP: ATM and TDM Pseudowires	3.18.0S	
Remote LFA FRR protection for TDM and ATM PWs		
IPv6 Services: Extended Access Control Lists	3.14.0S	
IPv6 Switching: Provider Edge Router over MPLS (6PE)	3.13.0S	3.18.0SP
BGP GSHUT enhancement	3.13.0S	
BGP Monitoring Protocol	3.13.0S	
VRF aware BGP translate-update	3.13.0S	

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
BGP - RTC for legacy PE	3.13.0S	
IOS VRF Multicast Multi-Topology Support	3.13.0S	
End-to-End Transparent Clocking	3.13.0S	3.16.1S
Multi-Topology BGP with VRF enhancement	3.13.0S	
POS Concatenation mode on STM1/4 IM	3.14.0S	
ISIS local microloop protection	3.13.0S	3.16.1S
Autonomic Networking: Certificate Management		
IP tunnel: Autonomic Networking Support	3.14.0S	
AutoInstall Using DHCP for LAN Interfaces	3.13.0S	
ATM/IMA/PPP/MLPPP Support on OC3 Interface Module	3.15.0S	
IPSLA Y1731 SLM Feature Enhancements	3.13.0S	3.18.0S
IP SLA - Service Performance Testing Infrastructure	3.18.0SP	16.5.1
MPLS Traffic Engineering (TE) - Fast Reroute (FRR) Link and Node Protection	3.13.0S	3.18.0SP
BGP - Accumulated IGP	3.13.0S	3.16.1S
802.1ad	3.14.0S	3.18.0SP
TWAMP RFC compliance	3.13.0S	16.5.1
Table Map	3.14.0S	
G.8032 (3.3 ms CCM)	NA	3.16.1S
IEEE 802.1p Support	3.13.0S	3.16.1S
IP FRR over BDI	3.13.0S	3.16.1S
NTP Timestamping	3.13.0S	



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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
Multicast support on T1/E1 & OC3 IMs		
AAL5 termination with L3QOS	3.14.0S	
Audio Media Sense	NA	
Smart Licensing with HA Support	3.15.0S	3.16.1S
Dual Rate	NA	
IPv6 Routing: OSPF for IPv6 (OSPFv3)	3.13.0S	3.16.1S
Remote SPAN (RSPAN)	3.14.0S	
DHCP Snooping	3.13.0S	3.18.0SP
BFD over TDM Routed	3.14.0S	
L2PT - Layer 2 Protocol Tunneling	3.13.0S	3.16.1S
Secure Shell SSH Version 2 Client Support	3.13.0S	3.16.1S
EVC Push Rewrite		3.16.1S
IPv6 QoS: MQC Packet Classification	3.13.0S	3.16.1S
IPv6 Routing: Static Routing	3.13.0S	3.16.1S
IPv6 Switching: CEF/dCEF Support	3.13.0S	3.16.1S
SNMP over IPv6	3.13.0S	3.16.1S
Sonet Mode support on OC3 IM	3.14.0S	
Channelization support for OC3 IM	3.14.0S	
PIM Version 2	3.13.0S	3.16.1S
BFD Support for Multicast(PIM)	3.14.0S	
Any Transport over MPLS (AToM): ATM Cell Relay over MPLS: Packed Cell Relay	3.14.0S	

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
Class-based QoS MIB	3.13.0S	3.16.1S
MPLS (Multiprotocol Label Switching)	3.13.0S	3.16.1S
CDP (Cisco Discovery Protocol) Version 2	3.13.0S	3.16.1S
IPv6 VPN over MPLS (6VPE)	3.13.0S	3.18.0SP
PTP over Native Ethernet	3.13.0S	
EVC Local Connect	3.18.0S	3.18.0SP
IEEE 802.1Q VLAN Support	3.13.0S	3.16.1S
SNMPv3 (SNMP Version 3)	3.13.0S	3.16.1S
Configurable Per VLAN MAC Learning (PVL)	3.13.0S	
MPLS LDP - IGP Synchronization	3.13.0S	3.16.1S
Class Based Policing	3.13.0S	3.16.1S
Y.1731 DMMv1	3.13.0S	3.18.0S
MPLS over POS Support	3.14.0S	
QoS Support on POS on OC3 IM	3.14.0S	
RSVP - Resource Reservation Protocol	3.13.0S	3.16.1S
Remote Monitoring MIB Update	3.13.0S	
Class Based Weighted Fair Queuing (CBWFQ)	3.13.0S	3.16.1S
POS (Packet over SONET/SDH) on OC12 IM card	3.15.0S	
QoS on serial TDM interface	3.14.0S	
IPv6 ACL	3.13.0S	3.18.0SP
Port licensing	3.14.0S	
PPP	3.14.0S	

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
HSRP support	3.13.0S	3.16.1S
Microwave ACM Signaling and EEM integration	3.13.0S	
Microwave ACM Signaling over P2MP Topologies	3.16.0S	
SNMPv3 - 3DES and AES Encryption Support	3.13.0S	
TACACS+	3.13.0S	3.16.1S
MPLS Forwarding Infrastructure Scalability	3.13.0S	3.16.1S
STP Syslog Messages	3.13.0S	
L2PT - Layer 2 Protocol Tunneling on Trunk Ports	3.13.0S	3.16.1S
IPv6 Routing: Unicast Routing	3.13.0S	3.16.1S
Diffserv Compliant WRED	3.13.0S	3.16.1S
BGP Support for TCP Path MTU Discovery per Session	3.13.0S	3.16.1S
Ethernet Connectivity Fault Management (E-CFM)	3.13.0S	3.16.1S
SNMP (Simple Network Management Protocol)	3.13.0S	3.16.1S
Support for dissimilar PHB match at Ingress and Egress for mpls/vpls interface.	3.15.0S	3.16.1S
MPLS VPN - Inter-Autonomous System Support	3.13.0S	3.16.1S
OSPF TTL Security Check	3.13.0S	3.16.1S
DS3 support on OC3 port	3.14.0S	
Ethernet Operations, Administration, and Maintenance (OAM)	3.13.0S	3.16.1S
Service Activation	3.16.0S	
Etherchannel Min-Links	3.13.0S	3.18.0S

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
IP 16-way Equal-Cost Multipath	3.13.0S	
RADIUS	3.13.0S	3.16.1S
Ethernet Local Management Interface (LMI) at Provider Edge (PE)	3.13.0S	3.16.1S
SSO - PPP	3.14.0S	
BGP Signaling - VPLS interAS option B		
MLPPP - Multilink PPP	3.14.0S	
LMM Support for Smart SFP	NA	NA
DHCP Option 82 Configurable Circuit ID and Remote ID	3.13.0S	
MPLS Virtual Private Networks (VPN)	3.13.0S	3.16.1S
DHCP - DHCPv6 Relay Agent notification for Prefix Delegation	3.13.0S	
onePK SS: Policy API for QoS Multi-Action Policer	3.15.0S	
Interfaces MIB: SNMP context based access	3.13.0S	3.16.1S
IEEE 802.1ab LLDP (Link Layer Discovery Protocol)	3.13.0S	3.16.1S
Network Time Protocol (NTP)		3.16.1S
EFP aware QoS	3.13.0S	3.16.1S
IEEE 802.1ag ( CFM ) Support on Port-Channel Interface	3.13.0S	16.5.1
Access Circuit Redundancy	3.14.0S	
Secure Copy (SCP)	3.13.0S	3.16.1S

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
ACFC and PFC support on Multilink interface	3.14.0S	
REP - (Resilient Ethernet Protocol)	3.13.0S	
1 rate 2 color per EVC policer	3.13.0S	3.16.1S
BFD - Static Route Support	3.13.0S	3.16.1S
BFD IPv6 Encaps Support	3.13.0S	
IPv6 - Static Route support for BFD over IPv6	3.13.0S	
BGP Support for 4-byte ASN	3.13.0S	3.16.1S
EVC 2.0 - Advanced VLAN translations & service mapping based on 802.1ah	3.13.0S	
EVC MIB	3.13.0S	3.16.1S
Dual Rate Three Color Ingress Policer on Service Instances	3.13.0S	3.16.1S
Clear Channel ATM	3.18.0S	
MST on EVC Bridge-Domain	3.13.0S	3.16.1S
TDM clock recovery	3.14.0S	
SLM Over VPLS	3.17.0S	3.18.0S
TSoP Smart SFP -STM1	3.17.0S	
Async RS232 over MPLS	3.14.0S	
ACL- DSCP Matching	3.13.0S	3.16.1S
ACL - Source & Destination Address Matching	3.13.0S	3.16.1S
E&M over MPLS	3.17.0S	
ACL - IP Protocol	3.13.0S	3.16.1S
Ingress QoS support for Serial Interface		

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
Static MAC binding to EVCs and Psuedowires	3.13.0S	3.16.1S
IP SLAs TWAMP Responder v1.0	3.13.0S	
Modular QoS CLI (MQC)	3.13.0S	3.16.1S
CFM over EFP interface configured with xconnect	3.13.0S	3.16.1S
Resilient Ethernet Protocol-no-edge-neighbour-enhancement	3.13.0S	
Jumbo Frames	3.13.0S	3.16.1S
IP FRR	3.13.0S	3.16.1S
Synchronous Ethernet Support	3.13.0S	3.16.1S
CEM support on 8 port T1E1 IM	3.15.0S	
FHRP - HSRP - Hot Standby Router Protocol V2		3.16.1S
PIM Version 2	3.13.0S	3.16.1S
Ordinary Clock Master		3.16.1S
PTP High Jitter Mode		3.16.1S
IPv6 Multicast: Multicast Listener Discovery (MLD) Protocol, Versions 1 and 2	3.15.0S	3.18.0SP
Fp init fails with Qos policies and with huge range of BD on TEFP	3.13.0S	3.16.1S
Set and police in the same class-map (Ingress and Egress)	3.13.0S	3.16.1S
Egress Port Level Policy with Ingress EFP Level Policy	3.13.0S	3.16.1S

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
OSPF doesn't come up when PIM is enabled on VPLS core interface	3.13.0S	
VRRPv3 Protocol Support	3.14.0S	3.18.0SP
BFD Support for HSRP	3.13.0S	3.16.1S
L2VPN Static to Dynamic PW Interconnection & PW Preferred Path for MPLS-TP Tunnels	3.13.0S	
MPLS-TP: PW Redundancy for Static PWs	3.13.0S	
MPLS-TP: MS-PW with Static and Dynamic PW Support	3.13.0S	
L2VPN: PW Status for Static PWs	3.13.0S	
Bidirectional MPLS-TP LSP	3.13.0S	
MPLS-TP Path Protection	3.13.0S	
MPLS-TP OAM: GACH	3.13.0S	
MPLS-TP OAM: Continuity Check via BFD	3.13.0S	
MPLS-TP OAM: Ping/Trace	3.13.0S	
MPLS-TP OAM: Fault Management	3.13.0S	
BFD - BFD Hardware Offload Support	3.13.0S	3.16.1S
Kerberos V Client Support		3.16.1S
Unicast Reverse Path Forwarding (uRPF)	3.13.0S	3.16.1S
CFM Extension for 1+1 Hot-Standby Support	3.13.0S	3.16.1S
VPLS over MPLS-TP	3.13.0S	
MPLS-TP: LDP signaling over MPLS TP LSPs	3.13.0S	

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
MPLS-TP: IP addresses for MPLS TP interfaces	3.13.0S	
MPLS TP: IP-less configuration of MPLS TP tunnels	3.13.0S	
Any Transport over MPLS (AToM): Layer 2 QoS (Quality of Service)		
Callhome V2 enhancements	3.13.0S	3.16.1S
Call Home V3	3.13.0S	
BGP - MP-iBGP NSR	3.13.0S	3.16.1S
Cisco-BGP-MIPv2	3.13.0S	3.16.1S
Trunk EFP support	3.13.0S	3.16.1S
MVPN	3.17.0S	16.5.1
CSL (Cisco Secure Licensing Support)	3.13.0S	
BFD: BGP multihop client Support (IPv4/IPv6)	3.13.0S	
BGP: Gracefull Shutdown (GSHUT)	3.13.0S	3.16.1S
MFI -Extended LFA	3.13.0S	3.16.1S
MAC Limiting per VFI and BD	3.13.0S	
CFM Support on Trunk EFP	3.13.0S	3.16.1S
Link Path Through	3.13.0S	3.16.1S
Spanning Tree Protocol (STP)		3.16.1S
Static VPLS over MPLS-TP	3.13.0S	
MPLS-TP MIB	3.13.0S	
MPLS -TP: IP Less trace support (NodeId, LinkId)	3.13.0S	
VPLS BGP Signaling	3.13.0S	3.17.0S



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	Supported Release	Supported Release
Y.1731 enhancements (On-demand & Concurrent support)	3.13.0S	3.18.0S
MFI - VPLS BGP sig	3.13.0S	3.17.0S
Unicast Reverse Path Forwarding (uRPF) Loose mode	3.13.0S	3.16.1S
uRPF for IPv6 (Strict and Loose mode)	3.16.0S	
IS-IS Support for BFD over IPv6	3.13.0S	
QoS: CBQoS Management - Policy-to-Interface Mapping Support		
BGP PIC (edge & core) - for RFC-3107 labeled iBGP	3.13.0S	3.16.1S
QoS Classification based on EFP	3.13.0S	3.16.1S
BD and CFM Protocol Based New CLI Model	3.13.0S	3.16.1S
Offloading IPv4 Async BFD sessions with 3.3ms timers	3.13.0S	3.16.1S
QoS: Global CLI for CoS to EXP table mapping	3.13.0S	
L2VPN Protocol Base CLIs	3.13.0S	
MPLS -TP: Linear Protection/PSC support	3.13.0S	
QoS support for dataplane loopback for EFP	3.15.0S	
BFD Debug Enhancement	3.13.0S	3.17.0S
BFD Deterministic Hardware Offload	3.13.0S	3.16.1S
Remote LFA FRR and labeled BGP FRR integration	3.13.0S	3.16.1S
Pseudowire Group Switchover	3.13.0S	3.16.1S
Auto-IP	3.13.0S	3.16.1S

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Feature Name	RSP2	RSP3
	Supported Release	Supported Release
TCAM threshold based alarms	3.14.0S	
Onboard Failure Logging		
Secure Boot Support	3.13.0S	3.16.1S
VPLS over remote LFA	3.13.0S	
Access Circuit Redundancy		
Autoroute announce and forwarding adjacencies for OSPFv3 over IPv4 TE tunnels	3.13.0S	
Control Plane Security (CoPP)	3.14.0S	
REP-AG Enhancements	3.13.0S	
Prefix Independent Convergence with Fast Re-Route Over Bridge Domain Interface	3.13.0S	3.16.1S
Routed Pseudo-Wire and Routed VPLS	3.15.0S	16.6.1
WAN mode support	3.13.0S	
CFM Support for Cylon ASIC with integrated OAM HW offload	3.13.0S	3.16.1S
SSO - BFD	3.13.0S	3.16.1S
PIM DR Loadbalancing	3.13.0S	
PTP-SYNCE on 10G interface in WANPHY mode	3.13.0S	3.16.1S
eCPU & FPGA stats	3.13.0S	NA
EFP policers without Ingress TCAM consumption	3.14.0S	NA
Enhanced Tracking Support / Enhanced Object Tracking / EOT	3.13.0S	

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
Source Specific Multicast (SSM) Mapping	3.13.0S	3.16.1S
DAI (Dynamic ARP Inspection)	3.13.0S	
EVC QoS		3.16.1S
Field Programmable Device Upgrade Tool	3.13.0S	3.16.1S
Virtual Private LAN Services (VPLS)	3.13.0S	3.17.0S
IS-IS Support for BFD over IPv4	3.13.0S	3.16.1S
OSPF Support for BFD over IPv4	3.13.0S	3.16.1S
Access Switch Device Manager (SDM) Template - Default	3.13.0S	NA
Access Switch Device Manager (SDM) Template - IP & Video	3.13.0S	NA
MQC - Multi-Level Priority Queue	3.13.0S	3.16.1S
BFD Echo Mode	3.13.0S	
IS-IS - MPLS LDP Autoconfiguration	3.13.0S	3.16.1S
VPLS Autodiscovery, BGP based	3.13.0S	3.17.0S
LACP 1-1 redundancy with fast switchover	3.13.0S	3.18.0S
Multichassis LACP (mLACP)	3.15.0S	16.5.1
BGP Support for BFD	3.13.0S	3.16.1S
CISL - SNMP Support		3.16.1S
4293 IP-MIB (IPv6 only) and RFC 4292 IP-FORWARD-MIB (IPv6 only)	3.13.0S	3.16.1S
H-VPLS N-PE Redundancy for MPLS Access	3.13.0S	3.17.0S
Label Switched Multicast (LSM) Multicast Label Distribution Protocol (mLDP) based Multicast VPN (mVPN) support	3.15.0S	16.5.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
VPLS MAC Address Withdrawal	3.13.0S	3.17.0S
MPLS TE - Bundled Interface Support (EtherChannel and MLP)	3.13.0S	
MAC Address Limiting on Service Instance / Bridge Domain	3.13.0S	
L2 ACL on Service Instance on Port-channel	3.13.0S	3.16.1S
MAC Address Security for EVC Bridge-Domain	3.13.0S	16.5.1
Qos EVC Push Rewrite	3.15.0S	3.16.1S
Label Switched Multicast Point-to-Multipoint Traffic Engineering	3.15.0S	
NSR - LDP Support	3.15.0S	
Hop-by-Hop BC in a ring with master/slave role reversal	3.15.0S	
BGP PIC Edge/Core VPNv6	3.15.0S	
ACL - ICMP Code	3.13.0S	3.16.1S
DHCP Server v6	3.15.0S	
IPv6 DHCP Client	3.15.0S	
BCP Support over MLPPP	16.5.1	
IKE Security Protocol		3.18.0SP
IPSec Triple DES Encryption (3DES)		3.18.0SP
Encrypted Pre-shared Key		3.18.0SP
Advanced Encryption Standard (AES)		3.18.0SP

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
IKE Mode Configuration		3.18.0SP
Multicast Source Discovery Protocol (MSDP)	3.13.0S	
MPLS OAM Support for Multisegment Pseudowires	3.13.0S	3.16.1S
Static MAC binding to EVCs and Pseudowires	3.13.0S	3.16.1S
BGP PIC Edge for IP/MPLS	3.13.0S	3.16.1S
GNSS receiver support	NA	3.17.0S
UniDirectional Link Detection (UDLD)	3.14.0S	3.16.1S
Policy-Based Routing (PBR)	3.16.0S	
PTP Hybrid BMCA	3.15.0S	3.18.0S
QoS Priority Propagation in Multi-level Scheduler	3.15.0S	
IEEE 802.1Q Custom Ethertype	3.15.0S	3.18.0SP
VRRPv3 High Scale	3.15.0S	
Hierarchical Color-Aware Policing	3.15.0S	
8 path ECMP	3.16.0S	
Support sending PW Grouping ID TLV	3.16.0S	
Image Signing	3.16.0S	3.16.1S
Priority Queuing - Shaper support	3.16.0S	3.16.1S
Segment Routing - ISIS v4 node SID	3.16.0S	
Phase profile G8275.1	3.18.0S	3.18.0SP
Phase profile G8273.2	3.18.0SP	3.18.0SP
FlexLSP base functionality	3.18.0SP	3.18.0SP
VLAN Scale Convergence	3.17.0S	

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
Ethernet Fault Detection	3.17.0S	
Qos Support for VLAN Translation	3.17.0S	
CFM over CVLAN	3.17.0S	
MLDP Extranet	3.17.0S	
MPLS-TE over BDI	3.17.0S	
POS APS on OC3 IM card	3.17.0S	
BGP PIC + TDM	3.18.0S	
L3 Security ACL for EVC support	3.17.0S	
IPV6 MVPN with MLDP	3.18.0S	16.5.1
BGP PIC + TE	3.18.0S	
Circuit Emulation over UDP on A900-IMA32D on ASR900 RSP2 and ASR920	3.18.0S	
Discard class based WRED		3.18.0S
Netflow with EFP support	3.18.0SP	
PPPoE Intermediate Agent	3.18.0S	
Asymmetric EFP	3.18.0S	
EVPN VPWS	3.18.0S	
Ethernet loopback for untagged/default	3.18.0S	
8K EFP per box (rsp3) + 4K EFP per port		3.18.0SP
ASR 900 4 port C37.94 Interface Module	3.18.1SP	
OTN Wrapper on Ethernet cards: 2x10GE, 1x10G+8x1G		3.18.0SP

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
Differential clock recovery on 9xOCn IM interfaces		3.18.0SP
Differential clock recovery on DSx interfaces		3.18.0SP
APS support on 9xOCn IM		3.18.0SP
MQC - Hierarchical Service-Policy Map Infrastructure		3.18.0SP
Evolved Manageability Data Model Mapping and Infrastructure Support on RSP2	3.18.0S	
Evolved Manageability Additional Data Model Mapping Infrastructure and Platform Support	3.18.0S	
STM-4 TSoP	3.18.0S	
L2VPN over IP/MPLS support		3.18.0SP
SONET support on 9xOCn IM		3.18.0SP
DS1 support on 48 port DS1/E1 IM		3.18.0SP
DS3 support on 48 port DS3 IM		3.18.0SP
QoS support on CEMoMPLS		3.18.0SP
Circuit emulation support on 48xDS1/E1 IM		3.18.0SP
Loopback and BERT support on DSx IMs		3.18.0SP
Circuit emulation support on 9xOCn IM		3.18.0SP
Circuit emulation support on 48 port DS3/E3 IM		3.18.0SP
Adaptive clock recovery on 9xOCn IM interfaces		3.18.0SP
Adaptive clock recovery support on DSx interfaces		3.18.0SP
DS3 Channelization		3.18.0SP

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
OTN Wrapper on Combo Ethernet card:1x10GE + 8 GE		3.18.0SP
DS3 MDL support		3.18.0SP
ONS pluggable optics support on OCn interfaces		3.18.0SP
Alarm history and TL1 timestamping on OCn interfaces		3.18.0SP
Qos LACP Activ/Standby		3.18.0SP
SSM Support on Legacy Ocx	3.18.0SP	3.18.0SP
PW Redundancy with Uni-directional Active-Active	3.18.1SP	
G.8275.1		3.18.1SP
WAN Phy		3.18.1SP
VPLS with BDI/PC		3.18.1SP
C37.94	3.18.1SP	
Port Licensing		3.18.1SP
G.8275.2	16.5.1	16.5.1
IPv6 QoS		16.5.1
FAT Pseudowire		16.5.1
PVST/RPVST	16.5.1	
Egress Shaping on MLPPP Bundle	16.5.1	



Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	<b>Supported Release</b>	<b>Supported Release</b>
Egress QoS Support on MLPPP Bundle (Strict Priority Queuing)	16.5.1	
1G on 8x10G IM		16.5.1
100G IM OTN		16.5.1
Flex LSP Phase-2	16.5.1	16.5.1
UPSR		16.5.1
Two Level PHB scheduling at egress		16.5.1
5G XFI		16.5.1
Adaptive Clock Recovery (ACR) for 8 T1/E1 - only for CEM over MPLS	16.5.1	
AINS Phase 1		16.5.1
E1 support on T1E1 card		16.5.1
E3 support on T3E3 card		16.5.1
VPLS Over BDI/PC	16.5.1	16.5.1
System clock at 1.4MHz		16.5.1
TWAMP with VRF support	16.5.1	
1mHz Bandwidth settings with GNSS Enabled		16.5.1
mVPN-GRE over Physical Interface & BDI		16.6.1
16K EFP Support		16.6.1
Active / Active QoS		16.6.1
AINS	16.11.1	16.6.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
ISIS Segment Routing enhancement - TI LFA FRR, SR-LDP interworking, Adj SID		16.6.1
FMEA		16.6.1
DS1/DS3_1:1_Card_Protection		16.6.1
STM1 TU-AIS & AIS	16.6.1	
E&M CAS Support, interop with 8T1/E1	16.6.1	
PTP BC Holdover Improvement in Double failure scenarios	16.6.1	16.6.1
SDH Support on 1-port OC-192 Interface module or 8-port Low Rate Interface Module (ASR 900 Combo 8 port SFP GE and 1 port 10GE IM with CEM, 10G)		16.6.1
SDH MSP on 1-port OC-192 Interface module or 8-port Low Rate Interface Module (ASR 900 Combo 8 port SFP GE and 1 port 10GE IM with CEM, 10G)		16.6.1
SDH SNCP on 1-port OC-192 Interface module or 8-port Low Rate Interface Module (ASR 900 Combo 8 port SFP GE and 1 port 10GE IM with CEM, 10G)		16.6.1
DCC Support on 1-port OC-192 Interface module or 8-port Low Rate Interface Module (ASR 900 Combo 8 port SFP GE and 1 port 10GE IM with CEM, 10G)		16.6.1
Split Horizon Scale Improvements		16.6.1
VPLS FRR		16.6.1
Fat PW		16.6.1
Segment Routing TE Feature	16.6.1	

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
TWAMP mpls support on RSP3		16.6.1
Auto-BW tunnels		16.6.1
MEF OpNID/Latching Loopback	16.7.1	
L2CP protocol for forward/discard at EVC (MRP, MMRP, MVRP)	16.7.1	
5G SDH		16.7.1
Card Protection		16.7.1
Mac Limit		16.7.1
CESoP For High Density CEM Ims		16.7.1
VLAN on Trunk EFP	16.7.1	
1-port OC481/ STM-16 or 4-port OC-12/OC-3 / STM-1/STM-4 + 12-Port T1/E1 + 4-Port T3/E3 CEM Interface Module 3G card	16.7.1	
8/16-port 1 Gigabit Ethernet (SFP/SFP) + 1-port 10 Gigabit Ethernet (SFP+) / 2-port 1 Gigabit Ethernet (CSFP) Interface Module Support		16.7.1
EVC Filtering		16.7.1
AIS support on IMS8D, IMA16D	16.7.1	
SADT - FPGA Support		16.7.1
BFD suport on IPv6		16.7.1
Increase ingress classification to 2K		16.7.1
Backup PW on VPLS		16.8.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
DS3 CEP		16.8.1
Far end PMON		16.8.1
Alarm consolidation		16.8.1
TDM Remote loopback		16.8.1
Framed DS1 (SAToP)		16.8.1
2K Egress IPSLA classification		16.8.1
Multi EFP over single BD		16.8.1
LACP 10+10G (Active-Active) with EFP scale		16.8.1
3G MS - IP IW + HDLC		16.9.1
YANG model for RJIL		16.9.1
3G CEM LC support with RSP3 400G		16.9.1
IPv6 ACL: wildcard support		16.9.1
DCC Tunnelling		16.9.1
CoPP - Control Plane Policing		16.9.1
Dying Gasp Enhancements - RSP3		16.9.1
3G MS - IP IW + PPP		16.9.1
MPLS (RFC3107) ECMP over TE-FRR NextHops		16.9.1
VPLS + FAT PW		16.9.1
7 SR-TE label support on ASR 900 RSP3		16.11.1
BFD for static routing and BGP, on both Global Routing Table and VRF Routing Tables		16.11.1
BGP: Same label is not getting allocated to VPNv4 route		16.11.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
SR-TE: Affinity constraints for ODN	16.11.1	16.11.1
SR-TE ODN Color Extended Community (L3VPN)	16.11.1	16.11.1
VPNv4 - lower the convergence time		16.11.1
BDI stats		16.11.1
Strom control on PC		16.11.1
L3 POS termination for 3G MS IM with RSP3		16.11.1
L2CP Xconnect Hardware Switching		16.11.1
IP SLA for Pseudowire	16.11.1	
NETCONF/RESTCONF service level ACLs	16.11.1	16.11.1
MPLS TE: Newer SR-TE Policy CLI	16.11.1	16.11.1
IP SLA v2 UDP Jitter probe / responder with HW timestamp		16.11.1
RSP3 - Generic Routing Encapsulation (GRE) - RFC 2784	16.11.1	
COPP	16.11.1	
Video Template - IPv4 QoS classification - Scalability Increase	16.11.1	
Enhancement - Micro BFD	16.11.1	
Non-Revertive and 5-Tuple Hashing option for LACP/LAG Interfaces		16.12.1
SR - uLoop Avoidance - RSP 3		16.12.1
BITS Framer Software Support for ASR920, ASR900, NCS 4200		16.12.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
RSP3 - L3VPN Conditional Marking		16.12.1
3rd Party SFP Support	16.12.1	16.12.1
RSP3: Per BDI MTU tuning		16.12.1
PW Scale Increase 21,504		16.12.1
ASR 900 Combo 8-Port SFP GE and 1-Port 10 GE 20G Interface Module		16.12.1
Short Pipe Mode QoS		16.12.1
IMA-3G-IMSG support with RSP3-200		16.12.1
1:1 Card Protection support for STS1e Port Type on A900-IMA48T-C / NCS4200-48T3E3-CE		17.1.1
Alarm Manager Handling		17.1.1
ASR903 LDP-BGP Tracking		17.1.1
Configurable OH Accounting for 4201/4202/RSP2		17.1.1
DSCP Preservation of MLDP traffic for Tag to IP case		17.1.1
Flow Control for A900-IMA8CS1Z-M 18x1GE Mode		17.1.1
gRPC Network Management Interface (gNMI)	17.1.1	17.1.1
Lawful Intercept		17.1.1
Model Driven Telemetry - gNMI Dial	17.1.1	17.1.1
MS - IPv4 IW + MLPP		17.1.1
MS - IPv6 IW + MLPP		17.1.1
MS - IPv6 IW + PPP		17.1.1
MS - IPv6 IW + PPP + ACR		17.1.1
Multi-chassis LAG/mLACP for L3VPN		17.1.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
On-change notifications for BGP Peers - Configured/Established		17.1.1
ONS 10G I-temp support		17.1.1
PTP Multi-Profile Support On ASR903 and ASR920		17.1.1
RSP3 - TWAMP responder with IPv6 in global as well as inside the VRF		17.1.1
Low-Latency Network Slice (PCE Delegated) - Configurable Link Delay Value + Flooding in ISIS / BGP-LS - ASR 900 / RSP2	17.1.1	17.1.1
EVPN (ELAN) L2 Gateway - RFC 7432 (Single-Homing) - ASR 900 / RSP3		17.1.1
L2VPN (VPWS+VPLS) and EVPN VPWS (Single-Homing) over SR - ASR 900 / RSP2	17.1.1	17.1.1
TLS for gRPC Dial-Out	17.1.1	17.1.1
Transceiver AINS		17.1.1
Traps and Performance MIBs for GNSS		17.1.1
SR-TE ODN Color Extended Community (L3VPN) - ASR 900 / RSP2	17.1.1	
MPLS TE: Newer SR-TE Policy CLI	17.1.1	17.1.1
MS - IPv4 IW + MLPP + ACR		17.3.1
MS - IPv6 IW + MLPP + ACR		17.3.1
ONS-SI-GE-EX and ONS-SI-GE-LX support on 8/16-port 1 Gigabit Ethernet (SFP/SFP) + 1-port 10 Gigabit Ethernet (SFP+) / 2-port 1 Gigabit Ethernet (CSFP) Interface Module		17.3.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
SR: PM: Delay measurement using RFC5357 (TWAMP Light) encoding (SW punt path timestamp) - ASR 900 / RSP3		17.3.1
Native Multicast SLA Measurement on ASR903	17.3.1	17.3.1
On-change notifications for LAG/LACP - Configured/Established		17.3.1
On-change notifications for TLDP - Configured/Established		17.3.1
On-change notifications for Interface (including tunnels) state - Configured/Up		17.3.1
ASR900/NCS4200 1x10G + 8xLowRate (LR) Circuit Emulation (CEM) / Multiservice Gateway (iMSG) line card feature		17.3.1
SRTE: PM: Sampled One-way End to End Delay (SR-Policy) Measurement - ASR 900 / RSP3		17.3.1
Pseudowire Termination (VC Type11) Interworking Feature VLAN Handoff		17.3.1
Interworking support for nxDS0 on ASR90x family		17.3.1
DCC and DCC Tunneling		17.3.1
5376 ACR/DCR Scale on OCx IM		17.3.1
SyncE yang module Telemetry integration		17.3.1
Aggregated Interface Stats on Bundle for RSP3		17.3.1
Aggregated Interface Stats on Bundle for RSP2/920	17.3.1	
SRTE: PM: Sampled One-way End to End Delay (SR-Policy) Measurement - ASR 900 / RSP2	17.3.1	



Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
SR: PM: Delay measurement using RFC5357 (TWAMP Light) encoding (SW punt path timestamp) - ASR 900 / RSP2	17.3.1	
SR-Services: EVPN (ELAN) L2 Gateway - RFC 7432 (Single-Homing) - ASR900 / RSP2	17.3.1	17.3.1
Conditional COS Marking per EVC		17.3.1
SRTE: ISIS Flex Algo (Ph1): Metric minimization, avoidance, multi-plane, delay metric w/ rounding, Inter-Area - ASR 900 / RSP3		17.3.1
Remote SPAN (RSPAN)		17.3.1
SRTE: Per-Flow (Class) ODN and Automated Steering (IPv4 GRT + L3VPN-VPNv4 Services Steering) - ASR 900 / RSP3		17.3.1
SRTE: Static route traffic steering using SRTE Policy	17.3.1	17.3.1
SRTE: Per-Flow (Class) ODN and Automated Steering (IPv4 GRT + L3VPN-VPNv4/v6 Services Steering) - ASR 900 / RSP2	17.3.1	
SRTE: ISIS Flex Algo (Ph1): Metric minimization, avoidance, multi-plane, delay metric w/ rounding, Inter-Area - ASR 900 / RSP2	17.3.1	
KGV E2E Solutions	17.3.1	17.3.1
SR: PM: Telemetry MDT and EDT support for Performance Monitoring KPI (Yang Oper) - ASR 900 / RSP3		17.3.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
Static PW over P2MP	17.3.1	
Telemetry for GNSS module on ASR903		17.3.1
Pseudowire Scale Support		17.3.1
Full alarm profile phase 2/3		17.3.1
TWS - 17.3.1 PSB compliance testing and Automation (SP Access)	17.3.1	17.3.1
BFD Dampening	17.3.1	
Micro BFD on Link Aggregation Group (LAG) Interfaces - RFC7130	16.11.1	16.9.1
SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - ASR 900 / RSP2 SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - ASR 900 / RSP2 - OSPF SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - ASR 900 / RSP2 - SR Infra	17.4.1	
Increase Maximum MTU Size (>9600 bytes)		17.4.1
VLAN Translation for RSP3		17.4.1
On-change notifications for IS-IS state - Configured/Adjacency	17.4.1	17.4.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
SRTE: ISIS Flex-Algo (Ph2): TI LFA + uLoop Avoidance + SID Leaking + ODN w/ Auto-Steering - ASR 900 / RSP3		17.4.1
SRTE: ISIS Flex-Algo (Ph2): TI LFA + uLoop Avoidance + SID Leaking + ODN w/ Auto-Steering - ASR 900 / RSP2	17.4.1	
Segment Routing Flexible Algorithm support for TI-LFA uLoop Avoidance, SID Leaking, and ODN with Auto-Steering - ASR 900 / RSP3		17.4.1
Segment Routing Flexible Algorithm support for TI-LFA uLoop Avoidance, SID Leaking, and ODN with Auto-Steering - ASR 900 / RSP2	17.4.1	
SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - ASR 900 / RSP3 SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - OSPF SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - SR Infra SR-PCE: Margin absolute / relative - SR Infra		17.4.1
SR: PM: Telemetry MDT and EDT support for Performance Monitoring KPI (Yang Oper) - ASR 900 / RSP2 SR: PM: Telemetry MDT and EDT support for Performance Monitoring KPI (Yang Oper) - SR infra	17.4.1	
Multicast SLA Measurment with MLDP		17.4.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path - ASR 900 / RSP2 SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path - ASR 900 / RSP2 : SRTE SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path - ASR 900 / RSP2 - PD	17.4.1	
SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path - ASR 900 / RSP3 SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path - ASR 900 / RSP3 - SRTE SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path - ASR 900 / RSP3 - PD		17.4.1
Convergence enhancements for L3VPN Traffic over BGP PIC Edge		17.4.1
Bert Error Injection		17.4.1
STS1E Framed SAToP Support on IMA3G		17.4.1
Support for all 0s and 1s BERT Patterns		17.4.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
CEM and IP IW Feature Parity for A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS and A900-IMA3G-IMSG / NCS4200-3GMS Interface Modules		17.4.1
Complete YANG Model for CFM Configuration	17.4.1	17.4.1
Complete YANG Model for Ethernet EVC Configuration	17.4.1	17.4.1
Support for A900-IMA6EM and A900-IMA4C3794 on A900-RSP3C-400-S		17.4.1
MAC Security on A900-IMA8CS1Z-M IM with RSP3		17.5.1
On-change notifications for L2 VPN Psuedo Wire - Configured/Established	17.5.1	17.5.1
SR: EVPN IRB (L2+L3 Anycast GW) + DCI/BL (Single-Homing) - ASR903-RSP2	17.5.1	
Support for BFD, sub-second fast hello for VRRPv3 convergence and re-convergence on ASR903		17.5.1
SRTE: PM: Liveness of SR Policy endpoint + SR-PM Delay deduction (loopback Mode) + SR-Policy w/ PM Liveness on all candidate-paths - ASR 900 / RSP2/RSP3	17.5.1	17.5.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
Support for BFD, sub-second fast hello for VRRPv3 convergence and re-convergence	17.5.1	
Complete YANG Model for l2vpn xconnect	17.5.1	17.5.1
Complete YANG Model for Pseudowire Interface Configuration	17.5.1	17.5.1
SRTE: OSPF Flex Algo (Ph1): : Metric minimization + avoidance + multi-plane + delay metric w/ rounding + Inter-Area + ODN w/ Auto-Steering - ASR 900 / RSP3/ RSP2	17.5.1	17.5.1
IP Address Range-Based Filtering Support for CoPP ACL		17.5.1
RSP-based Non-intrusive Monitor ports		17.5.1
GR-820-CORE Performance Monitoring	17.5.1	17.5.1
Support for Static MPLS Labels on Cisco RSP3 Module		17.5.1
CFM sessions Hardware offload - RSP3		17.5.1
Increase NCS 4200 QoS Service-Policy Scale		17.5.1
TWAMP Light	17.5.1	
IP Address Range-Based Filtering Support for CoPP ACL-RSP2	17.5.1	
CFM sessions HW offload - RSP2	17.5.1	
Increase NCS 4200 QoS Service-Policy Scale-RSP2	17.5.1	
SRTE: SR Policy Counters - ASR 900 / RSP3		17.5.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
SRTE: SR Policy Counters - ASR 900 / RSP2	17.5.1	17.5.1
SRTE: ECMP over SRTE ASR 903 / RSP3		17.5.1
MLPPP IP Termination on Serial Physical and Logical Interfaces		17.5.1
High Density DS1 Panel for CEM		17.5.1
ISIS Flexible Algorithm Include Affinity support	17.6.1	17.6.1
Support for BFD, sub-second fast hello for VRRPv3 convergence and re-convergence	17.6.1	17.6.1
Remote LFA for MLDP	17.6.1	17.6.1
SRTE: OSPF Flex-Algo (Ph2): TI LFA	17.6.1	17.6.1
Test Access Port (TAP/TAD)		17.6.1
G.8032 Support on dot1q EFPs		17.6.1
Ingress + Egress Flexible NetFlow	17.6.1	
YANG Model support for show mpls tr tunnel command	17.6.1	17.6.1
YANG Model Support for RSVP Commands	17.6.1	17.6.1
YANG Model Support for IPSLA Operating Model for Y1731	17.6.1	17.6.1
Yang: Native: Oper model support for "sh mpls ldp neighbor"	17.6.1	17.6.1
YANG Model support for QoS Overhead Accounting	17.6.1	
YANG Model support for alarm profile configurations	17.6.1	17.6.1
YANG Model Support for Shared Risk Link Groups (SRLG) Group Identification (GID) configurations	17.6.1	17.6.1

Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	Supported Release	Supported Release
Micro BFD over LAG convergence optimization		17.6.1
Support for A900-IMASER14A/S on A900-RSP3C-400-S		17.6.1
802.1ae WAN MacSec for 1GE and 10GE A900-IMA8CS1Z-M		17.6.1
DHCP relay v4/v6 (in same VRF)SR: EVPN IRB (L2+L3 Anycast GW) + DCI/BL (Single-Homing)	17.6.1	
Stitching of subnet route from EVPN to L3VPN	17.6.1	
SR-PCE: Enabling SR-PM delay/liveness for PCE-Initiated policies	17.6.1	17.6.1
SR-PCE: PCE Initiated SR Policy + ISIS Autoroute - ASR 900 / RSP 2 and RSP3	17.7.1	17.7.1
Need support for EFP with untagged+VLAN range or list on RSP3		17.7.1
On RSP3, need to support increased MPLS label scale from 32k to 40k		17.7.1
YANG - Oper Model - complete Y1564 Service Performance probe statistics	17.7.1	17.7.1
ATM Support on STM-4 on IMA-4OS Card	17.7.1	
SR with OSPF P2MP NB mode		17.7.1
Customer requires number format for MA name rather than a string format on RSP2	17.7.1	
Monitor/Split TAP Enhancements		17.7.1



Feature Compatibility Matrix for the Cisco ASR900 Series Aggregation Services Routers

Feature Name	RSP2	RSP3
	<b>Supported Release</b>	<b>Supported Release</b>
Inter-cos bursting support on ASR903-RSP3		17.7.1
Default Smart Licensing enablement - ASR90x/ASR920/NCS520	17.7.1	17.7.1
Multicast SLA Measurement with Telemetry on ASR903	17.7.1	17.7.1

**Legend:**

Blank Cells indicate the feature is not supported in a release yet. ☐

NA indicates that the feature will not be supported on that platform. ☐