		[1] CONTACT	INFORMATION							
	SUPP	LIER	SUPPLIER SIGNATURE							
SUPPL	IER NAME	Cisco Systems Inc.	Ashlee Panburana							
SUPPL	IER CONTACT EMAIL	ascummin@cisco.con	Ashlee Panburana (May 27, 2025 14:20 EDT)							
	ACCREDITED L	ABORATORY	ACCREDITED LABORATORY SIGN	ATURE						
LABOR	RATORY NAME	UNH InterOperability Laborator	Michaula Newcombe							
LABOR	RATORY CONTACT EMAIL		Michayla Newcombe Michayla Newcombe (May 27, 2025 14:38 EDT)							
	[2] PRODUCT VE	RSION TESTED	[3] PRODUCT ID							
	IOS-XE	17.15	Cisco ESR6300 Embedded Se	ries Router						
	[4] PRODUCT FAMILY									
	APPLICABLE SER	RIES HARDWARE	APPLICABLE SERIES SOFTWA	ARE						
		• •	COMPOSITE SDOC							
	itary: All of the declared ca	apabilities of this product are reported in this SDoC.	components that have their own unique SDoCs.	are provided by the use and/or integration of unmodified components that have their own unique SDoCs. All of the relevant referenced SDoCs are identified in section 6 and						
[6] REF	SUPPLIER	PRODUCT ID/STACK ID	CAPABILITY SUMMARY	COMPOSITE SDOC LINK						
i.	Cisco Systems Inc.		JSGv6-r1:Router+Core+SLAAC+Addr-Arch+OSPF+OSPF-Auth+Link=Ethernet	OBOO EINIK						
		[7] USGV6-CAPAR	LE REQUIREMENTS							
	SGv6-r1-Capable-Host	USGv6-r1-Capable-Router		pable-NPP						
		'	REFERENCED							
i.	NIST SP 500-267Br1, U	SGv6 Profile								
ii.		IOI CLIDDI EMENT.	ADV ATTECTATIONS							
			ARY ATTESTATIONS							
That is	s, no claimed capabilities ar	I in dual stack environments. re invalidated if this product is d IPv4) network environment.	That is, no claimed capabilities are invalidated if	This product is fully functional in IPv6 only environments. That is, no claimed capabilities are invalidated if this product is deployed in a network environment that does not support IPv4.						
unique	nis SDoC contains a capabi e IPv6 stack in the product. ed are documented, and ho nose reported are explained	If not, the stacks/ports not w their IPv6 capabilities differ	All of the products listed in the product family in section 4 are implemented such that their capabilities are identical in form and function across the entire product family. The specific conformance and interoperability test results for the capabilities of an identified member of this product family are provided in this SDoC. The SDoC attests that these tested capabilities are identical and unmodified for all the products cited above.							

Host Capabilities

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY				
[11]	CAPABILITY	CONFOR	RMANCE	INTEROPERABIL	ILITY/FUNCTIONAL NOTES				
[11] SUPPORTED CAPABILITY	37117121111	TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID	NOTES			
-	IPv6-ONLY	SELECTION		IPv6- ONLY_R1v1.*_F					
-	Core	Core_R1v1.*_C		Core_R1v1.*_I					
		Self-Test		Self-Test					
-	Extended-ICMP								
-	PLPMTUD	Self-Test		Self-Test					
-	ND-Ext	Self-Test		Self-Test					
-	ND-WL	Self-Test		Self-Test					
-	SEND	Self-Test		Self-Test					
-	SLAAC	SLAAC_R1v1.*_C		SLAAC_R1v1.*_I					
-	PriAddr	Self-Test		Self-Test					
-	DHCP- Stateless	DHCP- Stateless_R1v1 .*_C		DHCP- Stateless_R1v1 .*_I					
-	DHCP-Client	DHCP- Client_R1v1.*_C		DHCP- Client_R1v1.*_I					
-	DHCP-Client- Ext	Self-Test		Self-Test					
-	DHCP-Prefix	DHCP- Prefix_R1v1.*_C		DHCP- Prefix_R1v1.*_I					
-	DHCP-Prefix- Ext	Self-Test		Self-Test					
-	6Lo	Self-Test		Self-Test					

Host Capabilities

_	Happy-Eyeballs	Self-Test	Self-Test		
		Addr-	Addr-		
-	Addr-Arch	Arch_R1v1.*_C	Arch_R1v1.*_I		
-	CGA	Self-Test	Self-Test		
-	DNS-Client	Self-Test	Self-Test		
-	URI	Self-Test	Self-Test		
-	NTP-Client	Self-Test	Self-Test		
-	NTP-Server	Self-Test	Self-Test		
-	DNS-Server	Self-Test	Self-Test		
-	DHCP-Server	DHCP- Server_R1v1.*_C	DHCP- Server_R1v1.*_I		
-	DHCP-Server- Ext	Self-Test	Self-Test		
-	DHCP-Relay	DHCP- Relay_R1v1.*_C	DHCP- Relay_R1v1.*_I		
-	IPsec	IPsec_R1v1.*_C	IPsec_R1v1.*_I		
-	IPsec-SHA-512	IPsec-SHA- 512_R1v1.*_C	IPsec-SHA- 512_R1v1.*_I		
-	SSHV2	Self-Test	Self-Test		
-	TLS	Self-Test	Self-Test		
-	TLS-1.3	Self-Test	Self-Test		
-	Tunneling-IP	Self-Test	Self-Test		

Host Capabilities

		Self-Test	Self-Test			
-	Tunneling-UDP					
		Self-Test	Self-Test			
-	XLAT					
		Self-Test	Self-Test			
-	NAT64	3e11-165t	Sell-Test			
		Calf Taa4	Cals Taas			
_	DNS64	Self-Test	Self-Test			
_	SNMP	Self-Test	Self-Test			
	ONI					
		Self-Test	Self-Test			
-	Tunneling					
		Self-Test	Self-Test			
-	DiffServ					
		Self-Test	Self-Test			
-	NETCONF					
		Self-Test	Self-Test			
-	SSM	Och-163t	0611-1631			
		Multiport David	Multiport David			
_	Multicast	Multicast_R1v1 .*_C	Multicast_R1v1 .*_I			
_	ECN	Self-Test	Self-Test			
-	LON					
		Self-Test	Self-Test			
-	Link =					
				I .		

Router Capabilities

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY			
[11] SUPPORTED		CONFOR	RMANCE		.ITY/FUNCTIONAL	NOTES		
SUPPORTED CAPABILITY	CAPABILITY	TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID			
NOTES	IPv6-ONLY			IPv6- ONLY_R1v1.*_F	UNH-IOL/39990			
PASS	Core	Core_R1v1.*_C	UNH-IOL/39986	Core_R1v1.*_I	UNH-IOL/39989			
-	Extended-ICMP	Self-Test		Self-Test				
-	PLPMTUD	Self-Test		Self-Test				
-	ND-Ext	Self-Test		Self-Test				
-	ND-WL	Self-Test		Self-Test				
-	SEND	Self-Test		Self-Test				
PASS	SLAAC	SLAAC_R1v1.*_C	UNH-IOL/39986	SLAAC_R1v1.*_I	UNH-IOL/39989			
-	PrivAddr	Self-Test		Self-Test				
-	DHCP-Prefix	DHCP- Prefix_R1v1.*_C		DHCP- Prefix_R1v1.*_I				
-	DHCP-Prefix- Ext	Self-Test		Self-Test				
-	6Lo	Self-Test		Self-Test				
PASS	Addr-Arch	Addr- Arch_R1v1.*_C	UNH-IOL/39985	Addr- Arch_R1v1.*_I	UNH-IOL/39988			
-	CGA	Self-Test		Self-Test				

DNS-Client	Self-Test	Self-Test		
URI	Self-Test	Self-Test		
NTP-Client	Self-Test	Self-Test		
NTP-Server	Self-Test	Self-Test		
DNS-Server	Self-Test	Self-Test		
DHCP-Server	DHCP- Server_R1v1.*_C	DHCP- Server_R1v1.*_I		
DHCP-Server- Ext	Self-Test	Self-Test		
DHCP-Relay	DHCP- Relay_R1v1.*_C	DHCP- Relay_R1v1.*_I		
OSPF	Self-Test	OSPF_R1v1.*_I	UNH-IOL/39987	
OSPF-IPsec	Self-Test	Self-Test		
OSPF-Auth	Self-Test	OSPF- Auth_R1v1.*_I	UNH-IOL/39987	
OSPF-Ext	Self-Test	Self-Test		
OSPF-Trans	Self-Test	Self-Test		
OSPF-Graceful	Self-Test	Self-Test		
ISIS	Self-Test	Self-Test		
IS-IS-Auth	Self-Test	Self-Test		
IS-IS-Ext	Self-Test	Self-Test		
	Self-Test	Self-Test		
	URI NTP-Client NTP-Server DNS-Server DHCP-Server-Ext DHCP-Relay OSPF OSPF-IPsec OSPF-Auth OSPF-Ext OSPF-Trans OSPF-Graceful ISIS IS-IS-Auth	URI NTP-Client Self-Test NTP-Server DNS-Server DHCP-Server DHCP-Server-Ext DHCP-Relay DHCP-Relay DHCP-Relay CSPF-IPsec OSPF-Auth OSPF-Trans OSPF-Graceful ISIS Self-Test Self-Test	DNS-Client URI Self-Test Self-Test NTP-Client NTP-Server Self-Test DNS-Server DHCP- DHCP-Server DHCP-Server- Ext DHCP-Relay DHCP- Relay_R1v1.*_C DHCP- Relay_R1v1.*_I OSPF OSPF-Auth Self-Test OSPF-Auth Self-Test OSPF-Trans OSPF-Graceful IS-IS-Auth Self-Test Self-Test	DNS-Client URI Self-Test Self-Test NTP-Client NTP-Server Self-Test DNS-Server DHCP- Server_R1v1.*_C DHCP-Server- Ext DHCP-Relay DHCP- Relay_R1v1.*_C OSPF OSPF-IPsec OSPF-Auth OSPF-Trans OSPF-Graceful ISIS Self-Test Self-Test

		Self-Test	BGP_R1v1.*_I	
-	BGP			
-	BGP-Reflect	Self-Test	Self-Test	
-	BGP-Graceful	Self-Test	Self-Test	
-	BGP-FlowSpec	Self-Test	Self-Test	
-	BGP-OV	Self-Test	Self-Test	
-	BGP-VPLS	Self-Test	Self-Test	
-	BGP-EVPN	Self-Test	Self-Test	
-	BGP-6VPE	Self-Test	Self-Test	
-	BGP-MVPN	Self-Test	Self-Test	
-	MPLS	Self-Test	Self-Test	
-	CE-Router	CE_Router_R1v 1.*_C	CE_Router_R1v 1.*_I	
-	VRRP	Self-Test	Self-Test	
-	IPsec	IPsec_R1v1.*_C	IPsec_R1v1.*_I	
-	IPsec-VPN	IPsec- VPN_R1v1.*_C	IPsec- VPN_R1v1.*_I	
-	IPsec-SHA-512	IPsec-SHA- 512_R1v1.*_C	IPsec-SHA- 512_R1v1.*_I	
-	IPsec-SHA-512- VPN	IPsec-SHA-512- VPN_R1v1.*_C	IPsec-SHA-512- VPN_R1v1.*_I	
-	SSHV2	Self-Test	Self-Test	
-	TLS	Self-Test	Self-Test	

-	TLS-1.3	Self-Test	Self-Test		
-	Tunneling-IP	Self-Test	Self-Test		
-	Tunneling-UDP	Self-Test	Self-Test		
-	GRE	Self-Test	Self-Test		
-	DS-Lite	Self-Test	Self-Test		
-	LW4over6	Self-Test	Self-Test		
-	MAP-E	Self-Test	Self-Test		
-	MAP-T	Self-Test	Self-Test		
-	XLAT	Self-Test	Self-Test		
-	NAT64	Self-Test	Self-Test		
-	DNS64	Self-Test	Self-Test		
-	6PE	Self-Test	Self-Test		
-	LISP	Self-Test	Self-Test		
-	SNMP	Self-Test	Self-Test		
-	Tunneling	Self-Test	Self-Test		
-	DiffServ	Self-Test	Self-Test		
-	NETCONF	Self-Test	Self-Test		
-	SSM	Self-Test	Self-Test		

-	PIM-SM	Self-Test		Self-Test		
-	PIM-SM-IPsec	Self-Test		Self-Test		
-	PIM-SM-BiDir	Self-Test		Self-Test		
-	Multicast	Multicast_R1v1. *_C		Multicast_R1v1. *_I		
-	ECN	Self-Test		Self-Test		
PASS	Link = Ethernet	Self-Test	Self Declaration	Self-Test	Self Declaration	

Application Capabilities

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY		
[11]	CAPABILITY	CONFO	RMANCE	INTEROPERABI	LITY/FUNCTIONAL	NOTES	
SUPPORTED CAPABILITY		TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID		
-	IPv6-ONLY			IPv6- ONLY_R1v1.*_F			
-	App-Serv=			APP- ONLY_R1v1.*_F			
-	Link =			Self-Test			

NPP Capabilities

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY		
[11]	CAPABILITY	CONFOR	RMANCE	INTEROPERABILI	TY/FUNCTIONAL	NOTES	
SUPPORTED CAPABILITY		TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID		
-	IPv6-ONLY			IPv6- ONLY_R1v1.*_F			
-	FW	FW_R1v1.*_C					
-	APFW	Self-Test					
-	IDS	FW_R1v1.*_C					
-	IPS	FW_R1v1.*_C					
-	Link =	Self-Test					

Switch Capabilities

[10] PRODUC	T ID/ STACK ID					CAPABILITY SUMMARY		
[11]	CAPABILITY	CONFOR	MANCE	INTEROPERABILI7	Y/FUNCTIONAL			
SUPPORTED CAPABILITY		TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID	NOTES		
-	IPv6-ONLY			IPv6- ONLY_R1v1.*_F				
-	DHCPv6-Guard	Self-Test		Self-Test				
-	RA-Guard	Self-Test		Self-Test				
-	MLD-Snooping	Self-Test		Self-Test				
-	Link =	Self-Test		Self-Test				

1	CONTACT INFORMATION	Supplier name, email and signature (digital recommended). Include printed name and date if wet ink signed. Accredited laboratory name, email and signature (digital recommended). Include printed name and date if wet ink signed.
2	PRODUCT VERSION TESTED	Firmware/ software version of product declared
3	PRODUCT ID	Suppliers concise name for product declared
4	PRODUCT FAMILY	Applicable hardware or software with an unmodified IPv6 stack from "PRODUCT VERSION TESTED"
5	UNITARY OR COMPOSITE	Indicate if this is a unitary or composite SDoC. If composite is checked, composite SDoC must be linked in section 6.
6	REF	Reference number to profile(s) reference in this SDoC
	SUPPLIER	Supplier name
	PRODUCT ID/STACK ID	Product ID must match field 3. As there may be more than one unique IPv6 stack, stack ID identifies particular stack described in CAPABILITY SUMMARY. Each unique stack requires a CAPABILTY SUMMARY.
	CAPABILITY SUMMARY	The strong notation as described in NIST-SP-500-267Ar1 that describes the product capabilities of the given stack.
	COMPOSITE SDOC LINK	URL link to composite SDoC referenced.
7	USGV6-CAPABLE REQUIREMENTS	Refer to section 5 in NIST-SP-500-267Br1 for CSS strings referenced in this section. Check the appropriate box if the product meets the requirements.
8	PROFILE(S) REFERENCED	Profile(s) referenced in the SDoC.
9	SUPPLEMENTARY ATTESTATIONS	Attestations made by the supplier. Check all that apply.
10	PRODUCT ID/STACK ID	PRODUCT ID/STACK ID for stack documented on given page.
	CAPABILITY SUMMARY	CAPABILITY SUMMARY for stack documented on given page.
11	SUPPORTED CAPABILITY	"PASS" – All requirements of the capability have been met "NOTES" – See notes for details regarding the level of support for this capability "X" – Capability not supported BLANK – No declaration for this capability
	CAPABILITY	IPv6 Capability as described in NIST-SP-500-267Ar1.
	TEST SELECTION	Test Selection Tables version of capabilities with existing test programs. Capabilities without an existing test program are indicated with "Self-Test"
	RESULT ID	Abbreviation of accredited laboratory and unique identifier of test result. Capabilities with "Self-Test" can be self-declared b writing "Self Declaration" in the cell.
	NOTES	The cell must be filled out if "NOTE" is indicated for SUPPORTED CAPABILITY. Suppliers may use notes to clarify unsupported features or non-passing results.

SUPPLIER GENERAL NOTES