		[1] CONTAC	T INFORMATION					
	SUPP	LIER	SUPPLIER SIGNATURE					
SUPPL	IER NAME	Cisco Systems Inc.	Ashlee Panburana					
SUPPL	IER CONTACT EMAIL	ascummin@cisco.cor	Ashlee Panburana (Feb 6, 2025 11:04 EST)					
	ACCREDITED L	ABORATORY	ACCREDITED LABORATORY SIGN	ATURE				
LABO	RATORY NAME	UNH InterOperability Laborato	Michaula Newcombe					
LABO	RATORY CONTACT EMAIL		Michayla Newcombe Michayla Newcombe (Feb 6, 2025 11:46 EST)					
	[2] PRODUCT VE	RSION TESTED	[3] PRODUCT ID					
	IOS XE	17.15.2	C9130AXI					
			UCT FAMILY					
	APPLICABLE SER	RIES HARDWARE	APPLICABLE SERIES SOFTWA	ARE				
			COMPOSITE SDOC					
	itary: All of the declared cassed by original test results	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.		USGv6-r1: Host+Core+SLAAC+Addr-Arch+Link=Ethernet					
		[7] USGV6-CAPA	BLE REQUIREMENTS					
U:	SGv6-r1-Capable-Host	USGv6-r1-Capable-Router		pable-NPP				
	_	<u> </u>	S) REFERENCED					
i.	NIST SP 500-267Br1, U	ISGv6 Profile						
ii.		[O] CUDDI EMENT	ADV ATTESTATIONS					
			ARY ATTESTATIONS					
That is	s, no claimed capabilities a	Il 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 covere	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 implemented such that their capabilities are iden function across the entire product family. The specific conformance and interoperability test results for of an identified member of this product family are SDoC. The SDoC attests that these tested capal identical and unmodified for all the products cited	tical in form and ecific the capabilities provided in this bilities are				

Host Capabilities

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY			
[11] SUPPORTED	CAPABILITY		RMANCE		ITY/FUNCTIONAL	NOTES		
CAPABILITY		TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID			
NOTES	IPv6-ONLY			IPv6-	UNH-IOL/39347			
NOTES	IFVO-ONL1				UNH-10L/39347			
PASS	Core	Core_R1v1.*_C	UNH-IOL/39343	Core_R1v1.*_I	UNH-IOL/39345			
-	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/39343	SLAAC_R1v1.*_I	UNH-IOL/39345			
-	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	
PASS	Addr-Arch	Addr- Arch_R1v1.*_C	UNH-IOL/39344	Addr- Arch_R1v1.*_I	UNH-IOL/39346
-	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

_	Tunneling-UDP	Self-Test		Self-Test		
		Self-Test		Self-Test		
-	XLAT					
-	NAT64	Self-Test		Self-Test		
-	DNS64	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		
-	Multicast	Multicast_R1v1 .*_C		Multicast_R1v1 .*_I		
-	ECN	Self-Test		Self-Test		
PASS	Link = Ethernet	Self-Test	Self Declaration	Self-Test	Self Declaration	

Router Capabilities

[10] PRODUC	T ID/ STACK ID					CAPABILITY SUMMARY
[11] SUPPORTED		CONFOR	MANCE		ITY/FUNCTIONAL	NOTES
SUPPORTED CAPABILITY	CAPABILITY	TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID	
-	IPv6-ONLY			IPv6- ONLY_R1v1.*_F		
-	Core	Core_R1v1.*_C		Core_R1v1.*_I		
-	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		
-	SLAAC	SLAAC_R1v1.*_C		SLAAC_R1v1.*_I		
-	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		
-	Addr-Arch	Addr- Arch_R1v1.*_C		Addr- Arch_R1v1.*_I		
-	CGA	Self-Test		Self-Test		

DNS-Client	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				
OSPF-IPsec	Self-Test	Self-Test				
OSPF-Auth	Self-Test	OSPF- Auth_R1v1.*_I				
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				
IS-IS-MT	Self-Test	Self-Test				
	URI NTP-Client NTP-Server DNS-Server DHCP-Server-Ext DHCP-Relay OSPF OSPF-IPsec OSPF-Auth OSPF-Trans OSPF-Graceful ISIS IS-IS-Auth IS-IS-Ext	URI NTP-Client Self-Test NTP-Server DNS-Server DHCP-Server DHCP-Server-Ext DHCP-Relay DHCP-Relay Cospf Cospf Cospf Cospf-Auth Cospf-Test Cospf-Test	DNS-Client URI Self-Test Self-Test Self-Test NTP-Client Self-Test Self-Test Self-Test DNS-Server DHCP- Server_R1v1.*_C DHCP-Server-Ext DHCP-Relay DHCP- Relay_R1v1.*_C DHCP-Relay Self-Test OSPF-R1v1.*_I OSPF OSPF-Auth Self-Test OSPF-Trans OSPF-Trans OSPF-Graceful ISIS Self-Test Self-Test	DNS-Client URI Self-Test Self-Test NTP-Client Self-Test NTP-Server Self-Test DHCP- DHCP-Server DHCP-Server-R1v1.*_C DHCP-Relay DHCP-Relay Relay_R1v1.*_C DHCP-Relay,R1v1.*_C OSPF Self-Test OSPF-Auth Self-Test OSPF-Auth Self-Test Self-Test	DNS-Client URI Self-Test Self-Test NTP-Client NTP-Client NTP-Server Self-Test DNS-Server DHCP- Server_R1v1.*_C DHCP-Server- Ext DHCP- Relay_R1v1.*_C DHCP-Relay Relay_R1v1.*_C OSPF_R1v1.*_I OSPF Self-Test OSPF-Auth Self-Test OSPF-Auth Self-Test Self-Test Self-Test Self-Test OSPF-Trans Self-Test Self-Test	URI Self-Test NTP-Client Self-Test NTP-Server Self-Test NTP-Server Self-Test DHCP- DHCP-Server DHCP- Server_Rtv1.*_C DHCP-Server-Ext Self-Test DHCP-Relay Relay_Rtv1.*_C OSPF_Relay_Rtv1.*_L OSPF-Auth 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	
		_0	_ '	
-	ECN	Self-Test	Self-Test	

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