			INFORMATION						
CUDDI	SUPP JIER NAME			SIGNATURE					
		Cisco Systems Inc.	– Kanishka Weerak	ckody					
SUPPL	SUPPLIER CONTACT EMAIL kweerakk@cisco.com  ACCREDITED LABORATORY		, , , , , , , , , , , , , , , , , , , ,	Kanishka Weerakkody (Oct 30, 2025 10:27:18 EDT)  ACCREDITED LABORATORY SIGNATURE					
LABOI	ACCREDITED I	UNH InterOperability Laboratory			ATURE				
			Michayla New	combe					
LABOR	RATORY CONTACT EMAIL [2] PRODUCT VE	usgv6-sdoc@iol.unh.edu	Michayla Newcombe (Oct 30, 2025 11:55:13	DUCT ID					
	[2] FRODUCT VE	ROION TESTED		DOCTID					
	IOS-XE	17.18	C850	0-12X					
		[4] PRODI	JCT FAMILY						
	APPLICABLE SER		APPLICABLE SE	RIES SOFTWA	.RE				
		[5] UNITARY OR	COMPOSITE SDOC						
<b>√</b> Un	i <b>itary</b> : All of the declared ca	apabilities of this product are	Composite: Some or all of	the capabilities of	f this product				
	ssed by original test results		are provided by the use and/or integration of unmodified components that have their own unique SDoCs. All of the						
			relevant referenced SDoCs are						
[6]	CHDDLIED	PRODUCT ID/STACK ID	linked.  CAPABILITY SUMMA	DV	COMPOSITE				
[6] REF	SUPPLIER	PRODUCT ID/STACK ID	CAPADILITY SUIVIIVIA	IK I	SDOC LINK				
i.	Cisco Systems Inc.	ι	SGv6-r1:Router+Core+SLAAC+Addr-Arch+OSPF+OSPF-Au	th+Link=Ethernet					
		[7] USGV6-CAPAB	LE REQUIREMENTS						
	SGv6-r1-Capable-Host	[7] USGV6-CAPAB USGv6-r1-Capable-Router	LE REQUIREMENTS USGv6-r1-Capable-Switch	_USGv6-r1-Сар	pable-NPP				
		USGv6-r1-Capable-Router [8] PROFILE(S		ີ່ USGv6-r1-Cap	pable-NPP				
i.	SGv6-r1-Capable-Host NIST SP 500-267Br1, U	USGv6-r1-Capable-Router [8] PROFILE(S	USGv6-r1-Capable-Switch	ີ່ USGv6-r1-Car	pable-NPP				
		USGv6-r1-Capable-Router [8] PROFILE(S JSGv6 Profile	USGv6-r1-Capable-Switch ) REFERENCED	ີ່ USGv6-r1-Cap	pable-NPP				
i. ii.	NIST SP 500-267Br1, U	USGv6-r1-Capable-Router [8] PROFILE(SUSGv6 Profile [9] SUPPLEMENTA	USGv6-r1-Capable-Switch ) REFERENCED  ARY ATTESTATIONS						
i. ii. That is	NIST SP 500-267Br1, Units product is fully functionals, no claimed capabilities a	USGv6-r1-Capable-Router [8] PROFILE(S JSGv6 Profile	USGv6-r1-Capable-Switch ) REFERENCED	nal in IPv6 only er	nvironments.				
i. ii. That is operat	NIST SP 500-267Br1, Units product is fully functionals, no claimed capabilities a sed in a dual stack (IPv6 and is SDoC contains a capab	USGv6-r1-Capable-Router [8] PROFILE(SUSGv6 Profile  [9] SUPPLEMENTA  al in dual stack environments.  are invalidated if this product is and IPv4) network environment.  ilities test report for each	USGv6-r1-Capable-Switch  REFERENCED  ARY ATTESTATIONS  This product is fully function That is, no claimed capabilities a deployed in a network environm  All of the products listed in the	nal in IPv6 only en are invalidated if t ent that does not ne product family	nvironments. this product is support IPv4. in section 4 are				
i. ii. That is operat	NIST SP 500-267Br1, Units product is fully functionals, no claimed capabilities a sted in a dual stack (IPv6 and its SDoC contains a capable IPv6 stack in the product.	USGv6-r1-Capable-Router [8] PROFILE(SUSGv6 Profile  [9] SUPPLEMENTA  al in dual stack environments.  are invalidated if this product is ad IPv4) network environment.	USGv6-r1-Capable-Switch  REFERENCED  ARY ATTESTATIONS  This product is fully function. That is, no claimed capabilities a deployed in a network environm.  All of the products listed in the implemented such that their cap function across the entire product.	nal in IPv6 only en are invalidated if the ent that does not ne product family pabilities are ident ct family. The spe	nvironments. this product is support IPv4. in section 4 are ical in form and ecific				
i. ii. That is operated and the covered covered to the covered to	NIST SP 500-267Br1, Units product is fully functionals, no claimed capabilities a sted in a dual stack (IPv6 and its SDoC contains a capable IPv6 stack in the product.	USGv6-r1-Capable-Router [8] PROFILE(SUSGv6 Profile  [9] SUPPLEMENTA  al in dual stack environments.  are invalidated if this product is and IPv4) network environment.  ilities test report for each  If not, the stacks/ports not ow their IPv6 capabilities differ	USGv6-r1-Capable-Switch  REFERENCED  ARY ATTESTATIONS  This product is fully function That is, no claimed capabilities a deployed in a network environm  I All of the products listed in the implemented such that their cap function across the entire product conformance and interoperability.	nal in IPv6 only en are invalidated if t ent that does not ne product family abilities are ident ct family. The spe y test results for t	nvironments. this product is support IPv4. in section 4 are ical in form and ecific he capabilities				
i. ii. That is operated and the covered covered to the covered to	NIST SP 500-267Br1, Unis product is fully functionals, no claimed capabilities a ded in a dual stack (IPv6 and its SDoC contains a capable IPv6 stack in the product, and are documented, and hoteled.	USGv6-r1-Capable-Router [8] PROFILE(SUSGv6 Profile  [9] SUPPLEMENTA  al in dual stack environments.  are invalidated if this product is and IPv4) network environment.  ilities test report for each  If not, the stacks/ports not ow their IPv6 capabilities differ	USGv6-r1-Capable-Switch  REFERENCED  ARY ATTESTATIONS  This product is fully function. That is, no claimed capabilities a deployed in a network environm.  All of the products listed in the implemented such that their cap function across the entire product.	nal in IPv6 only en are invalidated if t ent that does not ne product family abilities are ident ct family. The spe y test results for t	nvironments. this product is support IPv4. in section 4 are ical in form and ecific he capabilities provided in this				

## **Host Capabilities**

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY				
[11]	CAPABILITY	CONFOR	RMANCE	INTEROPERABILI	LITY/FUNCTIONAL NOTES				
[11] SUPPORTED CAPABILITY	37117121111	TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID				
-	IPv6-ONLY	SELECTION		IPv6- ONLY_R1v1.*_F					
		Core_R1v1.*_C		Core_R1v1.*_I					
-	Core								
-	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					
-	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**

		Self-Test	Self-Test		
-	Happy-Eyeballs				
	A . I. I A I.	Addr-	Addr-		
-	Addr-Arch	Arch_R1v1.*_C	Arch_R1v1.*_I		
_	CGA	Self-Test	Self-Test		
	CGA				
_	DNS-Client	Self-Test	Self-Test		
	Ditto onone				
-	URI	Self-Test	Self-Test		
		Colf Tool	Self-Test		
-	NTP-Client	Self-Test	Self-Test		
		Self-Test	Self-Test		
-	NTP-Server	Och-rest	Jen-Test		
-		Self-Test	Self-Test		
-	DNS-Server				
		DHCP-	DHCP-		
-	DHCP-Server	Server_R1v1.*_C	Server_R1v1.*_I		
	DHCP-Server-	Self-Test	Self-Test		
-	Ext				
	DUCD Polov	DHCP-	DHCP-		
	DHCP-Relay	Relay_R1v1.*_C	Relay_R1v1.*_I		
_	IPsec	IPsec_R1v1.*_C	IPsec_R1v1.*_I		
	11 360				
_	IPsec-SHA-512	IPsec-SHA- 512_R1v1.*_C	IPsec-SHA- 512_R1v1.*_I		
		Self-Test	Self-Test		
-	SSHV2	Seit-Test	Self-Test		
		Self-Test	Self-Test		
-	TLS	Och-rest	Jen-Test		
		Self-Test	Self-Test		
-	TLS-1.3				
-		Self-Test	Self-Test		
-	Tunneling-IP				

## **Host Capabilities**

		Self-Test	Self-Test			
-	Tunneling-UDP					
-	XLAT	Self-Test	Self-Test			
-	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			
-	Link =	Self-Test	Self-Test			

## 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/40619			
PASS	Core	Core_R1v1.*_C	UNH-IOL/40614	Core_R1v1.*_I	UNH-IOL/40616			
-	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/40614	SLAAC_R1v1.*_I	UNH-IOL/40616			
-	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/40615	Addr- Arch_R1v1.*_I	UNH-IOL/40617			
-	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		
PASS	OSPF	Self-Test	OSPF_R1v1.*_I	UNH-IOL/40618	
-	OSPF-IPsec	Self-Test	Self-Test		
PASS	OSPF-Auth	Self-Test	OSPF- Auth_R1v1.*_I	UNH-IOL/40618	
	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		

		Self-Test	BGP_R1v1.*_I	
-	BGP	2331 1232		
-	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					
DNS64	Self-Test					
6PE	Self-Test	Self-Test				
LISP	Self-Test	Self-Test				
SNMP	Self-Test					
Tunneling	Self-Test	Self-Test				
DiffServ	Self-Test	Self-Test				
NETCONF	Self-Test					
SSM	Self-Test	Self-Test				
	Tunneling-IP Tunneling-UDP GRE DS-Lite DS-Lite DMAP-E MAP-T GLAT DNS64 DNS64 DPE DISP DIMP Tunneling DiffServ HETCONF	TLS-1.3  Tunneling-IP  Tunneling-UDP  Self-Test  Self-Test  Self-Test  Self-Test  MAP-E  MAP-E  MAP-T  Self-Test  Self-Test  MAP-T  Self-Test  Self-Test	TLS-1.3  Funneling-IP  Self-Test  MAP-E  Self-Test  Self-Test	Tunneling-IP  Self-Test  Sulf-Test  Sulf-Test  Self-Test  MAP-E  Self-Test  Self-Test	LS-1.3  LS-1.3  LUNNelling-IP  Self-Test  Self-Test	LS-1.3  Tunneling-IP  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]			RMANCE		ITY/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		
	CARARILITY							
[11]	CAPABILITY	CONFOR		INTEROPERABILIT				
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 by 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