	01100		INFORMATION						
CUDDI	SUPP LIER NAME		SUPPLIER SIGNATURE						
		Cisco Systems Inc.	Docusigned by: Kanishka Weerakkody	8/22/2023					
SUPPL	LIER CONTACT EMAIL	ascummin@cisco.com	56CE075825ED467	IATUDE					
LADO	ACCREDITED L		ACCREDITED LABORATORY SIGN	IATURE					
	RATORY NAME	UNH InterOperability Laborator	Arid I Alice I.	8/22/2023					
LABOI	RATORY CONTACT EMAIL	usgv6-sdoc@iol.unh.ed	CD7473006ERE4E1						
	[2] PRODUCT VE	RSION TESTED	[3] PRODUCT ID						
	IOS-XE		Cisco ASR 920 Series Aggregation Ser	vices Routers					
[4] PRODUCT FAMILY									
	APPLICABLE SER	RIES HARDWARE	APPLICABLE SERIES SOFTW.	ARE					
ASR	920		IOS-XE 17.11						
		[5] LINITADY OD	COMPOSITE SDOC						
√ Un	itary: All of the declared ca	apabilities of this product are	COMPOSITE SDOC Composite: Some or all of the capabilities of	of this product					
	ssed by original test results		are provided by the use and/or integration of un	are provided by the use and/or integration of unmodified					
			components that have their own unique SDoCs relevant referenced SDoCs are identified in sec						
			linked.						
[6] REF	SUPPLIER	PRODUCT ID/STACK ID	CAPABILITY SUMMARY	COMPOSITE SDOC LINK					
i.	Cisco Systems Inc.	Cisco ASR 920 Series Aggregation Services Routers/IOS-XE 17.11	USGv6-r1:Router+Core+SLAAC+OSPF+OSPF-Auth+Link=Etherne						
		[7] USGV6-CAPAF	BLE REQUIREMENTS						
∏U:	SGv6-r1-Capable-Host	USGv6-r1-Capable-Router		pable-NPP					
		[8] PROFILE(S	S) REFERENCED						
i.	NIST SP 500-267Br1, U	ISGv6 Profile							
ii.		(O) SUIDDI EMENT	ARY ATTESTATIONS						
Γ√ Tk	ais product is fully functions			povironmonto					
		Il in dual stack environments. re invalidated if this product is	That is, no claimed capabilities are invalidated if						
_	,	d IPv4) network environment.	deployed in a network environment that does no						
	nis SDoC contains a capabi e IPv6 stack in the product.			X All of the products listed in the product family in section 4 are implemented such that their capabilities are identical in form and					
covere	ed are documented, and ho	w their IPv6 capabilities differ	function across the entire product family. The sp	ecific					
from t	hose reported are explained	a.		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					

Host Capabilities

[10] PRODUC	T ID/ STACK ID					CAPABILITY SUMMARY
[44]	CADABILITY	OONEOR	MANOF	INTEROPERABLE	TV/FUNCTIONAL	NOTES
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFOR TEST SELECTION	RESULT ID	INTEROPERABILI TEST SELECTION	RESULT ID	NOTES
-	IPv6-ONLY	SEESHON		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		
-	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		
	mappy Lyonamo	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

-	Tunneling-UDP	Self-Test	Self	f-Test		
-	XLAT	Self-Test	Self	f-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	Multica	est_R1v1 *_I		
-	ECN	Self-Test	Self	-Test		
-	Link =	Self-Test	Self	-Test		

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY			
Cisco ASR 9	920 Series Agg	regation Servi	ces Routers/IC	OS-XE 17.11	USGv6-r1:Router+Core+SLAAC+OSPF+OSPF-Auth+Link=Ethernet			
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFOR TEST SELECTION	RMANCE RESULT ID	TEST SELECTION	ITY/FUNCTIONAL RESULT ID	NOTES		
NOTES	IPv6-ONLY			IPv6- ONLY_R1v1.*_F	UNH-IOL/36777	The DUT displayed IPv6 addresses with characters "a", "b", "c", "d", "e", and "f" in uppercase.		
PASS	Core	Core_R1v1.*_C	UNH-IOL/36772	Core_R1v1.*_I	UNH-IOL/36774	This SDoC pertains to the IPv6 stack for the following ports: routed ports.		
-	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/36772	SLAAC_R1v1.*_I	UNH-IOL/36774	This SDoC pertains to the IPv6 stack for the following ports: routed ports.		
-	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				
NOTES	Addr-Arch	Addr- Arch_R1v1.*_C	UNH-IOL/36773	Addr- Arch_R1v1.*_I	UNH-IOL/36775	-This SDoC pertains to the IPv6 stack for the following ports: routed portsThe DUT forwarded a packet with a Link-Local source address to another link. This is an uncommon issue and only seen when there is not a remote neighbor formed.		
-	CGA	Self-Test		Self-Test				

		0.15 = 4) IC T (
_	DNS-Client	Self-Test	S	Self-Test		
-	URI	Self-Test		Self-Test		
-	NTP-Client	Self-Test	S	Self-Test		
-	NTP-Server	Self-Test	S	Self-Test		
-	DNS-Server	Self-Test	S	Self-Test		
-	DHCP-Server	DHCP- Server_R1v1.*_C		DHCP- /er_R1v1.*_I		
-	DHCP-Server- Ext	Self-Test	_	Self-Test		
-	DHCP-Relay	DHCP- Relay_R1v1.*_C	Rela	DHCP- ay_R1v1.*_I		
PASS	OSPF	Self-Test		PF_R1v1.*_I	UNH-IOL/36776	This SDoC pertains to the IPv6 stack for the following ports: routed ports.
-	OSPF-IPsec	Self-Test	_	Self-Test		
PASS	OSPF-Auth	Self-Test		OSPF- h_R1v1.*_I	UNH-IOL/36776	This SDoC pertains to the IPv6 stack for the following ports: routed ports.
-	OSPF-Ext	Self-Test	S	Self-Test		
-	OSPF-Trans	Self-Test	S	Self-Test		
-	OSPF-Graceful	Self-Test	S	Self-Test		
-	ISIS	Self-Test	S	Self-Test		
-	IS-IS-Auth	Self-Test		Self-Test		
-	IS-IS-Ext	Self-Test		Self-Test		
-	IS-IS-MT	Self-Test	S	Self-Test		

USGv6 Profile Supplier's Declaration of Conformity (SDoC) R1.1

		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	

USGv6 Profile Supplier's Declaration of Conformity (SDoC) R1.1

-	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			

NIST.SP.500-281Ar1s

-	PIM-SM	Self-Test	Self-Test	
-	PIM-SM-IPsec	Self-Test	Self-Test	
-	PIM-SM-BiDir	Self-Test	Self-Test	
	Multicast	Multicast_R1v1.	Multicast_R1v1.	
-	Willicast	*_C	*_I	
-	ECN	*_C Self-Test	*_l Self-Test	

Application Capabilities

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY		
[11] SUPPORTED CAPABILITY	SUPPORTED TEST RESULT ID TE		INTEROPERABII TEST SELECTION	LITY/FUNCTIONAL NOTES 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	INTEROPERABILITY	//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