	SUPP		INFORMATION SUPPLIER	R SIGNATURE			
SUPPL	JER NAME	Broadcom Inc.	DocuSigned by:	OIGNATORE			
SUPPI	LIER CONTACT EMAIL	stanley.ho@broadcom.com	Stanley Ho	3	/7/2024		
00112	ACCREDITED L	· · · · · · · · · · · · · · · · · · ·	ACCREDITED LABO	RATORY SIGN	ATURE		
LABOR	RATORY NAME	UNH InterOperability Laborator					
LABOR	RATORY CONTACT EMAIL	usgv6-sdoc@iol.unh.ed	Michayla Newcombe	3	3/7/2024		
	[2] PRODUCT VE		F07473996FBF4E1	ODUCT ID			
	4.	2	VMwa	re NS>	<		
		[4] PROD	UCT FAMILY				
	APPLICABLE SER	RIES HARDWARE	APPLICABLE SE	ERIES SOFTWA	RE		
			NSX 4.2 Edge				
			COMPOSITE SDOC				
	i <b>itary</b> : All of the declared ca ssed by original test results	apabilities of this product are reported in this SDoC.	Composite: Some or all of are provided by the use and/or components that have their ow relevant referenced SDoCs are linked.	r integration of unr vn unique SDoCs.	nodified All of the		
[6] REF	SUPPLIER	PRODUCT ID/STACK ID	CAPABILITY SUMMA	ARY	COMPOSITE SDOC LINK		
i.	Broadcom Inc.	VMware NSX/4.2	JSGv6-r1:Router+IPv6-Only+Core+SLAAC+Addr-/	Arch+BGP+Link=Ethernet			
		[7] USGV6-CAPAE	BLE REQUIREMENTS				
U:	SGv6-r1-Capable-Host	USGv6-r1-Capable-Router	USGv6-r1-Capable-Switch	USGv6-r1-Cap	able-NPP		
•	NUCT OR FOR OUTP 4 11		S) REFERENCED				
i. ii.	NIST SP 500-267Br1, U	ISGV6 Profile					
11.		[9] SUPPLEMENT	ARY ATTESTATIONS				
That is	s, no claimed capabilities a	Il in dual stack environments. re invalidated if this product is d IPv4) network environment.	X This product is fully function That is, no claimed capabilities deployed in a network environn	are invalidated if t	his product is		
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	X 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		INTEROPERABILI		NOTES
SUPPORTED 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		
-	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			
		Addr-	Addr-	
-	Addr-Arch	Arch_R1v1.*_C	Arch_R1v1.*_I	
		Self-Test	Self-Test	
-	CGA	3311 1331	30/1/301	
-	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			
-	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			
	V	Mware NSX/4	.2		USGv6-r1:Rout	er+IPv6-Only+Core+SLAAC+Addr-Arch+BGP+Link=Ethernet		
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFOR TEST SELECTION	RMANCE RESULT ID	TEST SELECTION	ITY/FUNCTIONAL RESULT ID	NOTES		
PASS	IPv6-ONLY			IPv6- ONLY_R1v1.*_F	UNH-IOL/37475			
PASS	Core	Core_R1v1.*_C	UNH-IOL/37470	Core_R1v1.*_I	UNH-IOL/37472			
-	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/37470	SLAAC_R1v1.*_I	UNH-IOL/37472			
-	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/37471	Addr- Arch_R1v1.*_I	UNH-IOL/37473			
-	CGA	Self-Test		Self-Test				

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

### Router Capabilities

-	DNS-Client	Self-Test		lf-Test			
-	URI	Self-Test	Se	elf-Test			
-	NTP-Client	Self-Test	Se	lf-Test			
-	NTP-Server	Self-Test	Se	lf-Test			
-	DNS-Server	Self-Test	Se	lf-Test			
-	DHCP-Server	DHCP- Server_R1v1.*_C		HCP- r_R1v1.*_I			
-	DHCP-Server- Ext	Self-Test	_	lf-Test			
-	DHCP-Relay	DHCP- Relay_R1v1.*_C	D Relay	HCP- R1v1.*_I			
-	OSPF	Self-Test	OSPF	_R1v1.*_I			
-	OSPF-IPsec	Self-Test		lf-Test			
-	OSPF-Auth	Self-Test	C Auth	)SPF- _R1v1.*_I			
-	OSPF-Ext	Self-Test	Se	lf-Test			
-	OSPF-Trans	Self-Test	Se	lf-Test			
-	OSPF-Graceful	Self-Test	Se	lf-Test			
-	ISIS	Self-Test	_	lf-Test			
-	IS-IS-Auth	Self-Test	_	lf-Test			
-	IS-IS-Ext	Self-Test	_	lf-Test			
-	IS-IS-MT	Self-Test	Se	lf-Test			

### **Router Capabilities**

		Self-Test	BGP_R1	v1 * I			
PASS	BGP			UNI	H-IOL/37474		
-	BGP-Reflect	Self-Test	Self-T				
-	BGP-Graceful	Self-Test	Self-T				
-	BGP-FlowSpec	Self-Test	Self-T				
-	BGP-OV	Self-Test	Self-T				
-	BGP-VPLS	Self-Test	Self-T				
-	BGP-EVPN	Self-Test	Self-T				
-	BGP-6VPE	Self-Test	Self-T				
-	BGP-MVPN	Self-Test	Self-T				
-	MPLS	Self-Test	Self-T				
-	CE-Router	CE_Router_R1v 1.*_C	CE_Route 1.*_				
-	VRRP	Self-Test	Self-T				
-	IPsec	IPsec_R1v1.*_C	IPsec_R1				
-	IPsec-VPN	IPsec- VPN_R1v1.*_C	IPse VPN_R1	v1.*_l			
-	IPsec-SHA-512	IPsec-SHA- 512_R1v1.*_C	IPsec-S 512_R1v	/1.*_I			
-	IPsec-SHA-512- VPN	IPsec-SHA-512- VPN_R1v1.*_C	IPsec-SH VPN_R1	v1.*_l			
-	SSHV2	Self-Test	Self-T				
-	TLS	Self-Test	Self-T	est			

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		

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

### **Router Capabilities**

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. *_C	Multicast_R1v1. *_I	
		Self-Test	Self-Test	
-	ECN	Jell-Test	oen rest	

# **Application Capabilities**

[10] PRODUC	T ID/ STACK ID				CAPABILITY SUMMARY			
[11]	CAPABILITY	CONFO	RMANCE	INTEROPERABII	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		INTEROPERABILI		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	INTEROPERABILIT	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.
ı	CONTACT INFORMATION	Accredited laboratory name, email and signature (digital recommended). Include printed name and date if wet link 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
	NOTES	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