

[1] SUPPLIER CONTACT INFORMATION				
			Signature:	
[2] PRODUCT VERSION TESTED		[3] PRODUCT ID		
[4] PRODUCT FAMILY				
APPLICABLE SERIES HARDWARE		APPLICABLE SERIES SOFTWARE		
[5] UNITARY OR COMPOSITE SDOC				
<p>Unitary: All of the declared capabilities of this product are addressed by original test results reported in this SDoC.</p>		<p>Composite: Some or all of the capabilities of this product 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 linked.</p>		
[6] REF	SUPPLIER	PRODUCT ID/STACK ID	CAPABILITY SUMMARY	COMPOSITE SDOC LINK
[7] USGV6-CAPABLE REQUIREMENTS				
USGv6-r1-Capable-Host	USGv6-r1-Capable-Router	USGv6-r1-Capable-Switch	USGv6-r1-Capable-NPP	
[8] PROFILE(S) REFERENCED				
i.	NIST SP 500-267Br1, USGv6 Profile			
ii.				
[9] SUPPLEMENTARY ATTESTATIONS				
<p>This product is fully functional in dual stack environments. That is, no claimed capabilities are invalidated if this product is operated in a dual stack (6 and 4) network environment.</p>		<p>This product has been tested for the IPv6-only capability. 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.</p>		
<p><input type="checkbox"/> This SDoC contains a capabilities test report for each unique IPv6 stack in the product. If not, the stacks/ports not covered are documented, and how their IPv6 capabilities differ from those reported are explained.</p>		<p><input type="checkbox"/> 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.</p>		

Host Capabilities

[10] PRODUCT ID/ STACK ID				CAPABILITY SUMMARY		
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFORMANCE		INTEROPERABILITY/FUNCTIONAL		NOTES
		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

	Happy-Eyeballs	Self-Test		Self-Test		
	Addr-Arch	Addr-Arch_R1v1.*_C		Addr-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-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] PRODUCT ID/ STACK ID				CAPABILITY SUMMARY		
NOTES						
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFORMANCE		INTEROPERABILITY/FUNCTIONAL		NOTES
		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		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		

	BGP	Self-Test		BGP_R1v1.*_I		
	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_R1v1.*_C		CE_Router_R1v1.*_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	PIM_SM_R1v1.* _C		PIM_SM_R1v1.* _I		
	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		
	Link =	Self-Test		Self-Test		

Application Capabilities

[10] PRODUCT ID/ STACK ID				CAPABILITY SUMMARY		
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFORMANCE		INTEROPERABILITY/FUNCTIONAL		NOTES
		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] PRODUCT ID/ STACK ID				CAPABILITY SUMMARY		
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFORMANCE		INTEROPERABILITY/FUNCTIONAL		NOTES
		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] PRODUCT ID/ STACK ID				CAPABILITY SUMMARY		
[11] SUPPORTED CAPABILITY	CAPABILITY	CONFORMANCE		INTEROPERABILITY/FUNCTIONAL		NOTES
		TEST SELECTION	RESULT ID	TEST SELECTION	RESULT ID	
	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		

DIRECTIONS: Please use Adobe Acrobat to complete. Detailed instructions for completing and interpreting each numbered field are given below. Contact usgv6-program@nist.gov with questions.		
1	SUPPLIER CONTACT INFORMATION	Supplier name, address, phone, 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 CAPABILITY 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 " <i>Self Declaration</i> " 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.