

Suppliers Declaration of Conformity for USGv6 Products			USGv6-v1 SDOC-v1.10 Page 1	
1	The Document Requiring Conformity:		USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)	
2	Product Identifier:	Juniper SRX345		
3	Supplier's Name, Address and SDOC Contact Details			
Juniper Networks, 1133 Innovation Way, Sunnyvale, CA 94089, SDOC contact- Bill Shelton- bshelton@juniper.net, 571-203-1825				
4	Product as Tested/Declared: <i>Product Identifier, version/revision information, details of configuration tested.</i>			
18.1R2				
5	Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). Check Product Family attestation below.			
SRX300, 320, 340, 345, 550M, 1500, 4100, 4200, 4600, 5400, 5600, 5800, vSRX				
6	USGv6 Capability summary. (For each distinct IPv6 stack in the product provide a summary of its USGv6 capabilities below and include a detailed test result summary). <i>e.g. example-prod-id/stack-1: USGv6-v1-Host: IPv6-Base+Addr-Arch+IPsec-v3+IKEv2+SLAC+Link=Ethernet.</i>			
USGv6-v1-NPD: FW+Link = Ethernet				
7	Self Contained or Composite SDOC? (Must indicate one).			
YES	All of the declared USGv6 capabilities of this product are addressed by original test results reported in this SDOC.		Some or all of the USGv6 capabilities of this product are provided by the use and/or integration of unmodified components that have their own unique USGv6 SDOCs. All of the relevant referenced SDOCs are identified in section 8 and attached. This product's page 2 will indicate which capabilities are provided by specific referenced components (product-id/stack-id).	
8	Additional Declarations / Attachments: (List supplier & product-id/stack-id for referenced and attached test results in the case of composite products).			
	Component Supplier	Product ID:	Stack ID:	Notes:
[1]				
[2]				
[3]				
[4]				
9	Supplementary Attestations (Answer all).			
	Yes	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.	Yes	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.
	Yes	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.	Yes	All of the products listed in the product family in section 5 are implemented such that their USGv6 capabilities are identical in form and function across the entire product family. The specific conformance and interoperability test results for the USGv6 capabilities of an identified member of this product family are provided in this SDOC. The SDOC attests that these tested USGv6 capabilities are identical and unmodified for all the products cited above.
10	Signature		Date	18-Apr-17
	Print Name / Title	William N. Shelton, Director- Federal Certifications and Policy		

Product Id:		Juniper SRX345				Stack Id:		18.1		
Spec / Reference	Section	USGv6-v1 Profile Requirements	Context / Supported Capabilities			USGv6 Testing Program Results				
			Configuration Option	Host	Router	NPD	Test Suite Conformance/NPD	Test Lab / Result ID, Note #, or Component Ref	Test Suite Interoperability	Test Lab / Result ID, Note #, or Component Ref
SP500-267	6.1	IPv6 Basic Requirements								
		support of IPv6 base (IPv6;ICMPv6;PMTU;ND)	IPv6-Base					Basic_v1.* C		Basic_V1.* I
		support of PMTU Discovery Protocol requirements	PMTU					Basic_v1.* C		Basic_V1.* I
		support of stateless address auto-configuration	SLAAC					SLAAC-V1.* C		SLAAC-V1.* I
		support of Creation of Global Addresses	SLAAC - c(M)					SLAAC-V1.* C		SLAAC-V1.* I
		support of SLAAC privacy extensions.	PrivAddr					Self Test		Self Test
		support of stateful (DHCP) address auto-	DHCP-Client					DHCP_Client_v1.* C		DHCP_Client_v1.* I
		support of automated router prefix delegation	DHCP-Prefix					Self Test		Self Test
		support of neighbor discovery security extensions	SEND					Self Test		Self Test
SP500-267	6.6	Addressing Requirements								
		support of addressing architecture reqts	Addr-Arch					Addr_Arch_v1.* C		Addr_Arch_v1.* I
		support of cryptographically generated addresses	CGA					Self Test		Self Test
SP500-267	6.7	IP Security Requirements								
		support of the IP security architecture	IPsecv3					IPsecv3_v1.* C		IPsecv3_v1.* I
		support for automated key management	IKEv2					IKEv2_v1.* C		IKEv2_v2.* I
		support for encapsulating security payloads in IP	ESP					ESPv3_v1.* C		ESP_v1.* I
SP500-267	6.11	Application Requirements								
		support of DNS client/resolver functions	DNS-Client					Self Test		Self Test
		support of Socket application program interfaces	SOCK					Self Test		Self Test
		support of IPv6 uniform resource identifiers	URI					Self Test		Self Test
		support of a DNS server application	DNS-Server					Self Test		Self Test
		support of a DHCP server application	DHCP-Server					Self Test		DHCP_Serv_v1.* I
SP500-267	6.2	Routing Protocol Requirements								
		support of the intra-domain (interior) routing protocols	IGW					Self Test		OSPFv3_v1.* I
		support for inter-domain (exterior) routing protocols	EGW					Self Test		BGP_v1.* I
SP500-267	6.4	Transition Mechanism Requirements								
		support of interoperation with IPv4-only systems	IPv4				P	Self Test	Self Declaration	Self Test
		support of tunneling IPv6 over IPv4 MPLS services	6PE					Self Test		Self Test
SP500-267	6.8	Network Management Requirements								
		support of network management services	SNMP				P	Self Test	Self Declaration	Self Test
SP500-267	6.9	Multicast Requirements								
		support of basic multicast	Mcast					Self Test		
		full support of multicast communications	SSM					Self Test		Self Test
SP500-267	6.10	Mobility Requirements								
		support of mobile IP capability.	MIP					Self Test		Self Test
		support of mobile network capabilities	NEMO					Self Test		Self Test
SP500-267	6.3	Quality of Service Requirements								
		support of Differentiated Services capabilities	DS				P	Self Test	Self Declaration	Self Test
SP500-267	6.12	Network Protection Device Requirements								
		support of common NPD reqts	NPD				P	N1 N2 N3 N4_v1.3		
		support of basic firewall capabilities	FW				P	N1_FW_v1.3	UNH-IOL/29292	
		support of application firewall capabilities	APFW				P	Self Test	Self Declaration	
		support of intrusion detection capabilities	IDS				N	N3_IDS_v1.3	UNH-IOL/29293	
		support of intrusion protection capabilities	IPS				N	N4_IPS_v1.3	UNH-IOL/29294	
SP500-267	6.5	Link Specific Technologies								
		support of robust packet compression services	ROHC					Self Test		Self Test
		support of link technology [O:1]	Link= Ethernet				P	Self Test	Self Declaration	Self Test
		(repeat as needed) support of link technology	Link=							

12 < Check HERE if this stack's DOC includes additional information about tested capabilities and options on an attached page 3 of notes.

Level	Level of support for USGv6-v1 Requirements for capability.	Color	Indication of USGv6-v1 Recommended Level of Support for device type / stack role.
	Blank - SDOC makes no declaration for this capability.		Indicates capability that is recommendend as mandatory (unconditional MUST) in the USGv6-v1 Profile.
P	Passed required tests of USGv6-V1 requirements for these capabilities.		Indicates capability that is unusual for a given device type / stack role. Do not select without careful analysis.
N	See notes page for details on the level of support of USGv6-v1 requirements for this capability.		Indicates capability that is left optional / ocnditional by the recommendations of the USGv6-v1 Profile.
X	USGv6 capability not supported in product.		

Test Suite - Specific USGv6 Test suite used for test. See: <http://www.antd.nist.gov/usgv6/test-specifications.html>
Test Lab / Result ID - Abbreviation of accredited laboratory and its local identifier for this test result.
Note # - reference to a detailed note about this capability or result on attached page.
Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.

Field 13	Product Id:		SRX345				Stack Id:			18.1		
	Spec / Reference	Section	USGv6-v1 Profile Requirements	Context / Configuration Option	Supported Capabilities			Notes about USGv6-v1 Capabilities.				
					Host	Router	NPD	Test Suite Conformance/NPD	Test Lab / Result ID, Note	Test Suite Interoperability	Test Lab / Result ID, Note	
1	SP500-267	6.12.5.1.2 & 6.12.5.1.5	4.2 (D) Malformed Packet Detection				X	NPD-IDS	UNH-IOL/29293, the DUT was able to detect but not log the drop of traffic destined to the loopback address ::1			
Discussion: This failure was a result of a bug that was introduced with Junos 17.4 software. Devices with Junos 15.1X49 do not have this bug. This bug was addressed by PR 1388860 and is resolved in the following software releases- 17.4R3, 18.1R4, 18.2R2, 18.3R1, and 18.4R1 and later.												
2	SP500-267	6.12.5.1.2 & 6.12.5.1.5	4.2 (D) Malformed Packet Detection				X	NPD-IPS	UNH-IOL/29293, the DUT was able to detect but not log the drop of traffic destined to the loopback address ::1			
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Vendor's General Notes / Discussion about this Product / Stack's capabilities: