1	The Document Requiring Conformity:	USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)

2	Product Identifier:	**MX80**

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: *Product Identifier, version/revision information, details of configuration tested.*

Junos OS 16.1

5 | Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). ***Check Product Family attestation below.***

MX Family, EX9200 family

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).
e.g. example-prod-id/stack-1: USGv6-v1-Host: IPv6-Base+Addr-Arch+IPsec-v3+IKEv2+SLAC+Link=Ethernet.

USGv6-v1-Router: IPv6-Base+Addr-Arch+SLAAC+DHCP-Prefix+SEND+CGA+IPv4+6PE+SNMP+Mcast+SSM+DS+IGW+EGW+Link=Ethernet

7 | Self Contained or Composite SDOC? (Must indicate one).

YES	*All of the declared USGv6 capabilities of this product are addressed by orginal 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 umodified 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 ifthis 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 capabilitiesare identical and unmodified for all the products cited above.*

10	Signature		Date	
	Print Name / Title	Bill Shelton, Director- Federal Certification and Policy, Juniper Networks		

See instructions for fields 1-12 on Page 4.

11		Suppliers Declaration of Conformity for USGv6 Products: Declared Capabilities and Test Results Summary								USGv6-v1 SDOC-v1.10 Page 2	
Product Id:			**MX80**				**Stack Id:**		**Junos OS 16.1**		
			Context /	**Supported Capabilities**			**USGv6 Testing Program Results**				
Spec / Reference	Section	USGv6-v1 Profile Requirements	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		P		**Basic_v1.*_C**	UNH-IOL/24960	**Basic_V1.*_I**	UNH-IOL/24963
		support of PMTU Discovery Protocol requirements	PMTU		P		**Basic_v1.*_C**	UNH-IOL/24960	**Basic_V1.*_I**	UNH-IOL/24963
		support of stateless address auto-configuration	SLAAC		P		**SLAAC-V1.*_C**	UNH-IOL/24961	**SLAAC-V1.*_I**	UNH-IOL/24964
		support of Creation of Global Addresses	SLAAC - c(M)		P		**SLAAC-V1.*_C**	UNH-IOL/24961	**SLAAC-V1.*_I**	UNH-IOL/24964
		support of SLAAC privacy extensions.	PrivAddr				*Self Test*		*Self Test*	
		support of stateful (DHCP) address auto-configuration	DHCP-Client				**DHCP_Client_v1.*_C**		**DHCP_Client_v1.*_I**	
		support of automated router prefix delegation	DHCP-Prefix		P		*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
		support of neighbor discovery security extensions	SEND		P		*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
SP500-267	6.6	**Addressing Requirements**								
		support of addressing architecture reqts	Addr-Arch		P		**Addr_Arch_v1.*_C**	UNH-IOL/24962	**Addr_Arch_v1.*_I**	UNH-IOL/24965
		support of cryptographically generated addresses	CGA		P		*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
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		P		*Self Test*	*Self Declaration*	**OSPFv3_v1.*_I**	UNH-IOL/26060
		support for inter-domain (exterior) routing protocols	EGW		P		*Self Test*	*Self Declaration*	**BGP_v1.*_I**	UNH-IOL/26061
SP500-267	6.4	**Transition Mechanism Requirements**								
		support of interoperation with IPv4-only systems	IPv4		P		*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
		support of tunneling IPv6 over IPv4 MPLS services	6PE		P		*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
SP500-267	6.8	**Network Management Requirements**							*Self Test*	
		support of network management services	SNMP		P		*Self Test*	*Self Declaration*	Self Test	*Self Declaration*
SP500-267	6.9	**Multicast Requirements**								
		support of basic multicast	Mcast		P		*Self Test*	*Self Declaration*		*Self Declaration*
		full support of multicast communications	SSM		P		*Self Test*	*Self Declaration*	*Self Test*	*Self Declaration*
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*	*Self Declaration*
SP500-267	6.12	**Network Protection Device Requirements**								
		support of common NPD reqts	NPD				**N1|N2|N3|N4_v1.3**			
		support of basic firewall capabilities	FW				**N1_FW_v1.3**			
		support of application firewall capabilities	APFW				*Self Test*			
		support of intrusion detection capabilities	IDS				**N3_IDS_v1.3**			
		support of intrusion protection capabilities	IPS				**N4_IPS_v1.3**			
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	*Self Declaration*
			Link= PPP		P			*Self Declaration*		*Self Declaration*
		(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 recommend as mandatory (unconditional MUST) in the USGv6-v1 Profile.
P	Passed required tests of USGv6-V1 requirements for these capabilities.		Indicates cability that is unusal 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 reequirements for this capability.		Indicates capability that is left optional / ocnditional by the recommedations 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 — **Note #** - reference to a detailed note about this capability or result on attached page.

Test Lab / Result ID - Abbreviation of accredited laboratory and its local identifier for this test result. — **Component Ref** - Supplier / Product / Stack ID of distinctly tested component that provides this capability.

Field 13	Product Id:		MX80		Stack Id:			16.1			
	Spec / Reference	Section	USGv6-v1 Profile Requirements	Context / Configuration Option	Supported Capabilities			Notes about USGv6-v1 Capabilities.			
Note #					Host	Router	NPD	Test Suite Conformance/NPD	Test Lab / Result ID, Note	Test Suite Interoperability	Test Lab / Result ID, Note
1											
Discussion:											
2											
Discussion:											
3											
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Discussion:											

Vendor's General Notes / Discussion about this Product / Stack's capabilities: