Product Identifier: Palo Alto Networks Next-Generation Firewall	Suppli	ers Declaration of Conformity fo	r USGv6 Products	USGv6-v1 SDOC-v1.10 Page							
3 Supplier's Name, Address and SDOC Contact Details Palo Allo Networks 3000 Tannery Way Santa Clara, CA 95054 USA www.paloaltonetworks.com Jake Bajic Director, PLM jogic@paloaltonetworks.com 4 Product as Tested/Declared: Product Identifier, version/revision information, details of configuration tested. PAN-OS 19.1 5 Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). Check Product Family attestation below, PA-220, PA-220R, PA-800 Series, PA-400 Series, PA-3200 Series, PA-5200 Series, PA-5450, PA-700 Series, VM Series Firewalls 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 results ummary). e.g. example-prod-id/stack-f. USGv6-v1-NpD:FW+IDS+IPS+Link=Ethernet 7 Self Contained or Composite SDOC? (Must indicate one): VES All of the occitane USGv6 capabilities of his product are provided by the use and/or integration of umodified components that have held own unique USGv6-SDOCs. All of the relevant referenced SDOCs are identified by secritor and attached. This product spage 2 will indicate which capabilities are provided by the use and/or integration of umodified components that have held own unique USGv6-SDOCs. All of the relevant referenced SDOCs are identified by secritor and attached test results in the case of composite products). Component Supplier Product ID: Stack ID: Notes: 10 Supplementary Attestations (Answer ali) Product ID: Stack ID: Notes: Product is deployed in a network environment. That is, no claimed capabilities are invalidated this product is operated in a claim stack of and claimed capabilities are invalidated this product is operated in a claimed capabilities are invalidated this product is operated in a claimed capabilities are invalidated this product is operated in a claimed capabilities are invalidated this product is operated in a claimed capabilities are invalidated this product is operated	1	The Document Requiring Confe	ormity:		USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)						
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Product as Tested/Declared: Product Identifier, version/revision information, details of configuration tested. PAN-OS 10.1 5 Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). Check Product Family attestation below. PA-220, PA-220R, PA-800 Series, PA-400 Series, PA-3200 Series, PA-5200 Series, PA-5450, PA-7000 Series, VM Series Firewalls 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. 7 Self Contained or Composite SDOC? (Must indicate one). YES All of the declared USGv6 capabilities of this product are provided by the use and/or integration of uncodified components that have been own unique USGv6 SDOCs. All of the relevant referenced SDOCs are identified in section 8 and attached. This spoul. SDOCs. 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: 10 Supplementary Attestations (Answer all). Yes Displementary Attestat				loaltonetwor	orks.com						
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		iers Declaration of Conformity for USGv6					rest results Summ	lai y		Gv6-v1 SDOC-v1.10 Pag			
oduct lo	d:	Palo Alto Networks Next-Genera	tion Firewall		Stack lo	d:			PAN-OS 10.1				
			Context /	Suppor	rted Capa	bilities		USGv6 Testing Program Results					
Spec /			Configuration				Test Suite	Test Lab / Result ID, Note #, or	Test Suite	Test Lab / Result ID, Note a			
eference	Section	USGv6-v1 Profile Requirements	Option	Host	Router	NPD	Conformance/NPD	Component Ref	Interoperability	Component Ref			
500-267		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				
500-267	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				
500-267	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				
500-267	6.11	Application Requirements	B110 5"				2 17 =						
		support of DNS client/resolver functions	DNS-Client				Self Test	1	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				
500 007		support of a DHCP server application	DHCP-Server				Self Test		DHCP_Serv_v1.*_I				
500-267	6.2	Routing Protocol Requirements	1014										
		support of the intra-domain (interior) routing	IGW				Self Test		OSPFv3_v1.*_I				
F00 007	0.4	support for inter-domain (exterior) routing protocols	EGW				Self Test		BGP_v1.*_I				
500-267	6.4	Transition Mechanism Requirements	ID: 4				0.15.7		On If To a t				
		support of interoperation with IPv4-only systems	IPv4				Self Test		Self Test				
500 007	0.0	support of tunneling IPv6 over IPv4 MPLS services	6PE				Self Test		Self Test				
500-267	6.8	Network Management Requirements	CNIMD				Oalf Taal		Self Test				
F00 007		support of network management services	SNMP				Self Test		Self Test				
500-267	6.9	Multicast Requirements support of basic multicast	Mcast				Self Test						
		full support of multicast communications	SSM				Self Test		Self Test				
500-267	6.10	Mobility Requirements	JOIN				Sell Test		Sell Test				
300-201	0.10	support of mobile IP capability.	MIP				Self Test		Self Test				
		support of mobile network capabilities	NEMO		 		Self Test		Self Test	+			
500-267	6.3	Quality of Service Requirements	INLINIO				Sell Test		Sell Test				
300-201	0.5	support of Differentiated Services capabilities	DS				Self Test		Self Test				
500-267	6.12	Network Protection Device Requirements	DO				Jeli Test		Jen rest				
300-201	0.12	support of common NPD regts	NPD			D	N1 N2 N3 N4_v1.3						
		support of basic firewall capabilities	FW			D	N1_FW_v1.3	UNH-IOL/33222					
		support of pasic firewall capabilities	APFW			'	Self Test	GIVI I-IOL/33222					
		support of application firewall capabilities	IDS			Р	N3_IDS_v1.3	UNH-IOL/33221		<u> </u>			
		support of intrusion protection capabilities	IPS			Р	N4_IPS_v1.3	UNH-IOL/33220		 			
500-267	6.5	Link Specific Technologies	0				N+_II	01111102/00220					
000 201	0.0	support of robust packet compression services	ROHC				Self Test		Self Test				
		support of link technology [O:1]				Р	Self Test	Self Declaration	Self Test	Self Declaration			
		Support of mint toolmology [O.1]				•	30 1000		25 1 301				
-		(repeat as needed) support of link technology	Link=										
12		< Check HERE if this stack's DOC include		nformat	tion abo	ut teste	ed capabilities and o	ptions on an attached page	3 of notes.				
ovel	Lovelo	fournest for USCVC vd Possissments for conchil	Ī	Color	Indication of USGv6-v1 Recommended Level of Support for device type / stack role.								
		f support for USGv6-v1 Requirements for capability		COIOF									
	Blank - SDOC makes no declaration for this capability. Passed required tests of USCv6 V1 requirements for these capabilities.						Indicates capability that is recommendend as mandatory (unconditional MUST) in the USGv6-v1 Profile.						
	Passed required tests of USGv6-V1 requirements for these capabilities.						Indicates cabability that is unusal for a given device type / stack role. Do not select without careful analysis.						
		tes page for details on the level of support of USGv6-v	for this ca	pability.		Indicates capability that is left optional / ocnditional by the recommedations of the USGv6-v1 Profile.							
Χ	USGv6	capability not supported in product.											
t Suite -		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 pa Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.					
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Suppliers Declaration of Conformity for USGv6 Products: Notes Page and Detailed Test Results Summary USGv6-v1 SDOC-v1.10 Page											-v1 SDOC-v1.10 Page 3
Field Product Id:						Stack I	d:				
13				Context /	Supported Capabilitie				Notes about USG	Notes about USGv6-v1 Capabilities.	
Note #	Spec / Reference	Section	USGv6-v1 Profile Requirements	Configuration Option	Host	Router	NPD	Test Suite Conformance/NPD	Test Lab / Result ID, Note	Test Suite Interoperability	Test Lab / Result ID, Note
NOTE #	Kelefelice	Section	030V0-V1 F10IIIe Requirements	Орион	11031	Kouter	NFD	Comormance/NFD	rest Lab / Nesult ID, Note	interoperability	rest Lab / Nesult ID, Note
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Discussion: Vendor's Congrel Notes / Discussion about this Product / Stack's canabilities:											
Vendor's General Notes / Discussion about this Product / Stack's capabilities:											

General: This document describes network product from the identified supplier that claims support of USGv6 capabilities. General product and supplier identification is given on Page 1. Overall results of testing USGv6 capabilities for conformance, interoperability and network protection are given on Page 2. Detailed instructions for completing and interpreting each numbered field are given below. Note USGv6 Testing website at: http://www.antd.nist.gov/usgv6/testing.html. Contact: usgv6-project@antd.nist.gov.

Field

Field Description and Instructions

- 1 The Document Requiring Conformity: Identifies the profile version implemented. Not a user completable field.
- 2 Product Identifier: Supplier's concise name for the product declared.
- 3 Suppliers Name, Address and Contact Details: Company name and point of contact for SDOC questions, street address, phone and email.
- 4 Product as Tested/Declared: Product Identifier and detailed version information. If this SDOC reports oringal test results (page 2), include information about the specific product configuration(s) that was actually tested (e.g., hardware configuration, operating system, etc).
- 5 Product Family: A list of other products that use the same, unmodified IPv6 stacks such that their USGv6 capabilities are identical in form and function to the specific product configuration above. Test labs are only required to affirm the results for specific products tested. Test labs optionally may affirm recognized product families.
- **USGv6 Capability Summary**: The USGv6 stack implementation summary as identified by the '+' notation described in the USGv6 profile, Appendix A. For each IPv6 stack implementation in the product, a distinct Stack Id and reference to the attached Results Summary page (Page 2).
- 7 Self Contained or Composite SDOC: If this SDOC relies on the test results of other disinct products, list the Supplier & Product ID/Stack IDs referenced and attach those original SDOCs to this one.
- 8 Additional Declarations / Attachements: List the supplier / product ID / Stack ID of any test results of composite components referenced by this SDOC.
- 9 Supplementary Attestations: Suppliers disclosure of IPv6 only capabilities; multiple stacks present; product family applicabilities. These are not included to qualify or disqualify a product from purchase considerations, but to inform network administrators of potential configuration options relevant to USGv6 interoperability. Check all that apply.
- **Signature Block**: Wet ink signature of the responsible product manager, dated. Printed name and position title on the line below.

Description and Instructions

Summary of Results: The format of this table mirrors the USGv6-v1.0 capabilities checklist (USGv6 Profile, Appendix A). The 12 categories of USGv6 capabilities are listed as subheadings, with subsidiary functions as line items. Configuration options related to conditional implementation of selected capabilities.

Product Id/Stack Id: The identification line of this page includes space for Product Id and Stack Id labels. Product Id is the same as given on Page 1. As there may be more than one unique IPv6 stack implemented in the product, the Stack Id field identifies the particular stack described. One Results Summary page per stack is required.

Host, Router and Network Protection (NPD) columns identify 'preferred' options: cells in green represent the NIST recommendations. Cells in grey denote atypical options, very unlikely to be implemented. The procuring Agency may additionally tailor these fields to indicate requirements for this acquisition.

Test Suite Conformance and Interoperability columns identify capability sets for which a public test suite exists, and the versions applicable to USGv6-v1.0 test results. Major version v1 and all its minor versions are deemed acceptable. Over time, new versions will be added and older ones retired. There may be periods when more than one major version is acceptable concurrently.

The supplier completes the adjacent Test Lab and Result Id column with the test lab acronym and unique result identifier (See Test Lab and Accreditor page on the Website). The buyer may opt to query results with the test laboratory using the specified Result Id(s). The supplier may opt to provide particular explanation of some results (partial results, additional options) in which case reference to note on an attached page 3. (e.g. "See Note# N"). See the USGv6 testing website to identify the test lab, and find contact details.

Cells marked **Self Test** have no associated public test suite. If implemented by the supplier, the required adjacent annotation is "Self Declaration". Note that vendors declaring support for such a capability are declaring support for the associated specific requirements in the USGv6 Profile.

Additional Options Tested: Vendor checks if it is desired to record tested options not part of the 'Musts' in the profile. Explanations on the page following the results summary.

Headings and Special Notations: as described.

Options for Test Lab and Result Id: Currently 3 cases: (1) the test lab acronym and alphanumeric Id of the result set as assigned by the test laboratory; (2) 'Self declaration' denoting the supplier attests to adequate QA testing of the capability; (3) See attachment or note 'N', where the supplier explains variations in greater detail.

Stack-1 Notes Instructions: The supplier may choose to use the Notes (page 3) in order to clarify unsupported features or non passing results. Each Note # must reference the same Note # from Page 2.

Complete the Note by including the Spec/Reference and Section (i.e. RFC or USGv6 Profile version), USGv6-v1 Profile Requirements, Config Option (i.e. IPv6-Base), choosing Host/Router/NPD, and Test Selection table version along with Test Lab Result ID. The Discussion includes details about the test result that will be disclosed to the buyer.