Supplie	rs Declarati	on of Confo	ormity for USGv6 Prod	ucts		USGv6-v1 SDOC-v1.10 Page 1					
1	The Docun	nent Requir	ing Conformity:			USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)					
2	Product Ide	oduct Identifier: C9606R									
3	Supplier's Name, Address and SDOC Contact Details										
•	co Systems, Inc.										
	70 West Tasman Dr.										
San Jos	an Jose, CA 95134 USA										
4	Product as Tested/Declared: Product Identifier, version/revision information, details of configuration tested.										
	IOS XE 16.12										
5	Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). Check Product Family attestation below.										
	C9600-SUP-1										
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	7 Self Contained or Composite SDOC? (Must indicate one).										
			pabilities of this product are		hilitian of this n	raduat ara prav	rided by the use and/or integration of umodified components that have their own uni				
YES			ults reported in this SDOC.		SDOCs are id	re identified in section 8 and attached. This product's page 2 will indicate which capabi					
8	Additional	Declaration	s / Attachments: (List	supplier & product-id/stack-id for refer	renced and attached test results in the case of composite products).						
	Componen	t Supplier		Product ID:	Stack ID:	Notes:					
[1]											
[2]											
[3]											
[4]											
9	Supplementary Attestations (Answer all).										
	Yes			environments.That is, no claimed capabilities are al 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 r stacks/ports not covered are documented, and how their Ipv6 capabilities differ from those reported are explained.					All of the products listed in the product family in section 5 are implemented such that their USGv 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 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 Ashles Pa			nburana	Date	te April 23rd, 2020					
	Print Name	Print Name / Title Ashlee Panburana, IPv6 Team Lead									
See instru	ctions for fields	1-12 on Page 4	1.								

11		ers Declaration of Conformity for USGv6 Pro	aucts: Deciared	u Capab			Results Summary			SGv6-v1 SDOC-v1.10 Pag			
oduct Id	l:	C9606R	C9606R Stack Id:					IOS XE 16.12					
			Context /	Suppo	rted Capa	bilities		USGv6 Testing I	Program Results				
Spec /			Configuration				Test Suite	Test Lab / Result ID, Note #, or		Test Lab / Result ID, Note #, o			
eference	Section	USGv6-v1 Profile Requirements	Option	Host	Router	NPD	Conformance/NPD	Component Ref	Test Suite Interoperability	Component Ref			
500-267	6.1	IPv6 Basic Requirements											
		support of IPv6 base (IPv6;ICMPv6;PMTU;ND)	IPv6-Base		Р		Basic_v1.*_C	UNH-IOL/31632	Basic_V1.*_I	UNH-IOL/31634			
		support of PMTU Discovery Protocol requirements	PMTU		P		Basic_v1.*_C	UNH-IOL/31632	Basic_V1.*_I	UNH-IOL/31634			
		support of stateless address auto-configuration	SLAAC		Р		SLAAC-V1.*_C	UNH-IOL/31632	SLAAC-V1.*_I	UNH-IOL/31634			
		support of Creation of Global Addresses	SLAAC - c(M) PrivAddr		P		SLAAC-V1.*_C Self Test	UNH-IOL/31632	SLAAC-V1.*_I Self Test	UNH-IOL/31634			
		support of SLAAC privacy extensions. support of stateful (DHCP) address auto-	DHCP-Client				DHCP Client v1.* C		DHCP Client v1.* I				
		support of stateful (DHCP) address auto- support of automated router prefix delegation	DHCP-Client DHCP-Prefix				Self Test		Self Test				
		support of neighbor discovery security extensions	SEND				Self Test		Self Test				
500-267	6.6	Addressing Requirements	SLIND				Sell Test		Sell Test				
300-201	0.0	support of addressing architecture regts	Addr-Arch		Р		Addr Arch v1.* C	UNH-IOL/31633	Addr Arch v1.* I	UNH-IOL/31635			
		support of addressing architecture requisions support of cryptographically generated addresses	CGA		Р		Self Test	UNH-IOL/3 1633	Self Test	UNH-IUL/3 1635			
500-267	6.7		CGA				Seil Test		Sell Test				
300-207	6.7	IP Security Requirements support of the IP security architecture	IPsecv3				IPsecv3 v1.* C		IPsecv3 v1.* I				
	-	support of the IP security architecture support for automated key management	IKEv2				IKEv2 v1.* C	<u> </u>	IKEv2_v2.*_I				
	-	support for automated key management support for encapsulating security payloads in IP	ESP			 	ESPv3 v1.* C	<u> </u>	ESP v1.* I				
500-267	6.11	Application Requirements	LOI				201 10_110		201_411				
200 201	V.11	support of DNS client/resolver functions	DNS-Client				Self Test		Self Test				
	1	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				
500-267	6.2	Routing Protocol Requirements											
		support of the intra-domain (interior) routing protocols	IGW		Р		Self Test		OSPFv3_v1.*_I	UNH-IOL/31631			
		support for inter-domain (exterior) routing protocols	EGW		Р		Self Test		BGP_v1.*_I	UNH-IOL/31630			
500-267	6.4	Transition Mechanism Requirements											
		support of interoperation with IPv4-only systems	IPv4				Self Test		Self Test				
		support of tunneling IPv6 over IPv4 MPLS services	6PE				Self Test		Self Test				
500-267	6.8	Network Management Requirements							Self Test				
		support of network management services	SNMP				Self Test		Self Test				
500-267	6.9	Multicast Requirements					0.45						
		support of basic multicast	Mcast		Р	-	Self Test	Self declaration	0.15.7				
500-267	C 40	full support of multicast communications Mobility Requirements	SSM				Self Test		Self Test				
200-207	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		Jell Test				
300-201	0.5	support of Differentiated Services capabilities	DS				Self Test		Self Test				
500-267	6.12	Network Protection Device Requirements					OCH TEST		och rest				
300-201	0.12	support of common NPD regts	NPD				N1 N2 N3 N4_v1.3						
	1	support of common NPD required support of basic firewall capabilities	FW				N1 FW v1.3	-					
	-	support of basic firewall capabilities	APFW			l	Self Test	<u> </u>					
	-	support of application firewall capabilities	IDS			 	N3 IDS v1.3	<u> </u>	+				
	1	support of intrusion protection capabilities	IPS				N4 IPS v1.3						
500-267	6.5	Link Specific Technologies	_										
		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			
		(repeat as needed) support of link technology	Link=										
12		< Check HERE if this stack's DOC includes	additional infor	mation a	about te	sted cap	pabilities and options	on an attached page 3 of note	s.				
Level	Level of	support for USGv6-v1 Requirements for capability.		Color	Indication of USGv6-v1 Recommended Level of Support for device type / stack role.								
-0461		ank - SDOC makes no declaration for this capability.											
Р							Indicates capability that is recommended as mandatory (unconditional MUST) in the USGv6-v1 Profile.						
							Indicates cabability that is unusal for a given device type / stack role. Do not select without careful analysis.						
N		es page for details on the level of support of USGv6-v1 re	1.		Indicates capability that is left optional / ocnditional by the recommedations of the USGv6-v1 Profile.								
Х	USGv6	capability not supported in product.											
		JSGv6 Test suite used for test. See: http://www.antd.nist			.html					pability or result on attached page			
	IA ID	Abbreviation of accredited laboratory and its local identif	ier for this test resul	t.			Component Re	Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.					

Suppliers Declaration of Conformity for USGv6 Products: Notes Page and Detailed Test Results Summary									USGv	6-v1 SDOC-v1.10 Page 3	
Field	Product Id:			Stack Id:							
13				Context /	Supported Capabilities				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
	recording	Occion	55575-777 Tonic Requirements	Option	11031	Router	INI D	Comormance/Ar B	rest Lub / Result Ib, Note	interoperability	rest Lab / Nesult ID, Note
1											
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Discussion:											
Vendor's General Notes / Discussion about this Product / Stack's capabilities:											

Signature Block: Wet ink signature of the responsible product manager, dated.

Printed name and position title on the line below.

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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 **Description and Instructions** The Document Requiring Conformity Identifies the profile version implemented. Summary of Results: The format of this table mirrors the USGv6-v1.0 capabilities 1 11 checklist (USGv6 Profile, Appendix A). The 12 categories of USGv6 capabilities are Not a user completable field. listed as subheadings, with subsidiary functions as line items. Configuration options related to conditional implementation of selected capabilities. Product Identifier: Supplier's concise name for the product declared. 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. Suppliers Name, Address and Contact Details: Company name and point of Host, Router and Network Protection (NPD) columns identify 'preferred' options: cells in green represent the NIST recommendations. Cells in grey denote atypical options, contact for SDOC questions, street address, phone and email. very unlikely to be implemented. The procuring Agency may additionally tailor these fields to indicate requirements for this acquisition. Product as Tested/Declared: Product Identifier and detailed version information. Test Suite Conformance and Interoperability columns identify capability sets for If this SDOC reports oringal test results (page 2), include information about the 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 specific product configuration(s) that was actually tested (e.g., hardware time, new versions will be added and older ones retired. There may be periods when configuration, operating system, etc). more than one major version is acceptable concurrently. Product Family: A list of other products that use the same, unmodified IPv6 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 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 Website). The buyer may opt to guery results with the test laboratory using the the results for specific products tested. Test labs optionally may affirm specified Result Id(s). The supplier may opt to provide particular explanation of some recognized product families. 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. USGv6 Capability Summary: The USGv6 stack implementation summary as Cells marked Self Test have no associated public test suite. If implemented by the identified by the '+' notation described in the USGv6 profile, Appendix A. For supplier, the required adjacent annotation is " Self Declaration". Note that vendors each IPv6 stack implementation in the product, a distinct Stack Id and reference declaring support for such a capability are declaring support for the associated to the attached Results Summary page (Page 2). specific requirements in the USGv6 Profile. Self Contained or Composite SDOC If this SDOC relies on the test results of Additional Options Tested Vendor checks if it is desired to record tested options not other disinct products, list the Supplier & Product ID/Stack IDs referenced and part of the 'Musts' in the profile. Explanations on the page following the results attach those original SDOCs to this one. summary. Headings and Special Notations as described. Additional Declarations / Attachements: List the supplier / product ID / Stack Options for Test Lab and Result Id: Currently 3 cases: (1) the test lab acronym and ID of any test results of composite components referenced by this SDOC. 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. 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 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 network administrators of potential configuration options relevant to USGv6 interoperability. Check all that apply.

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.

Further Description: http://www.antd.nist.gov/usgv6/testing.html, and NIST SP 500-267 USGv6 Testing Program Users Guide available at the website.