Supplie	rs Declarati	on of Confo	rmity for USG	v6 Produ	ıcts			USGv6-v1 SDOC-v1.10 Page 1					
1	The Docun	nent Requiri	ng Conformity	:				USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)					
2	Product Ide												
3	Supplier's Name, Address and SDOC Contact Details												
	sco Systems, Inc.												
	70 West Tasman Dr.												
San Jos	n Jose, CA 95134 USA												
4	Product as Tested/Declared: Product Identifier, version/revision information, details of configuration tested.												
	IOS XE 17.1												
5	Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). Check Product Family attestation below.												
	ESR 6300												
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.												
			USGve	6-v1-Rou	ıter: IPv6-E	Base+Addr-Arch+SLAAC	:+IGW+EG\	W+SNMP+M	cast+Link = Ethernet				
-													
		contained or Composite SDOC? (Must indicate one). By the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of umodified components that have their own under the use and/or integration of under the use a											
Yes		•	abilities of this prodi Its reported in this S	l l					ided by the use and/or integration of umodified components that have their own un entified in section 8 and attached. This product's page 2 will indicate which capab.				
	addressed by	orginar toot room	no reported iii uno e	<i>3B</i> 0 0.		are provided by specific referen			· · · · · · · · · · · · · · · · · · ·				
8	Additional	Declarations	s / Attachment	:s: (List s	supplier & p	oroduct-id/stack-id for refe		enced 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					hat is, no claimed capabilities are	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.					
	invalidated ifthis product is operated in a dual stack (6 and 4)network environment.							invalidated if this product is deproyed 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 n							All of the products listed in the product family in section 5 are implemented such that their USGvt					
	stacks/ports not covered are documented, and how their lpv6 capabilities differ from those reported are explained.							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.					
40							-						
10	Signature Ashles Pa			Pas	nburi	ana	Date	June 17th, 2020					
	Print Name / Title		Ashlee Panburana, IPv6 Team Lead										
0				.Saran	ia, ii v0	Todili Lodd							
See instru	ee instructions for fields 1-12 on Page 4.												

		Olere FORMON Furberist Com	les Desites		041-1		Results Summary		100 VE 47 4			
Product Id:		Cisco ESR6300 Embedded Series Router Stack Id:					IOS XE 17.1					
			Context /	Suppo	rted Capa	bilities		USGv6 Testing P				
Spec /			Configuration				Test Suite	Test Lab / Result ID, Note #, or		Test Lab / Result ID, Note #,		
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/31860	Basic_V1.*_I	UNH-IOL/31862		
		support of PMTU Discovery Protocol requirements	PMTU		Р		Basic_v1.*_C	UNH-IOL/31860	Basic_V1.*_I	UNH-IOL/31862		
		support of stateless address auto-configuration	SLAAC		P		SLAAC-V1.*_C	UNH-IOL/31860	SLAAC-V1.*_I	UNH-IOL/31862		
		support of Creation of Global Addresses	SLAAC - c(M)		P		SLAAC-V1.*_C	UNH-IOL/31860	SLAAC-V1.*_I	UNH-IOL/31862		
		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			
500 007	6.6	support of neighbor discovery security extensions	SEND				Self Test		Self Test			
500-267	6.6	Addressing Requirements										
		support of addressing architecture reqts	Addr-Arch		Р		Addr_Arch_v1.*_C	UNH-IOL/31861	Addr_Arch_v1.*_I	UNH-IOL/31863		
		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 ESP				IKEv2_v1.*_C ESPv3_v1.*_C		IKEv2_v2.*_I			
500 007	0.44	support for encapsulating security payloads in IP	ESP				ESPV3_V1.^_C		ESP_v1.*_I			
500-267	6.11	Application Requirements	DNIO OF				0.67		0 1/ T			
	 	support of DNS client/resolver functions	DNS-Client SOCK	-		ļ	Self Test Self Test		Self Test Self Test	ļ		
		support of Socket application program interfaces	URI				Self Test		Self Test			
		support of IPv6 uniform resource identifiers 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	Dilor-Server				Sell Test		DITCF_SetV_V1I			
300-207	0.2	support of the intra-domain (interior) routing protocols	IGW		Р		Self Test		OSPFv3 v1.* I	UNH-IOL/31859		
		support for inter-domain (interior) routing protocols	EGW		P		Self Test		BGP v1.* I	UNH-IOL/31858		
500-267	6.4	Transition Mechanism Requirements	LGW				Sell Test		BGF_V11	ON11-10E/31030		
54500-207	0.4	support of interoperation with IPv4-only systems	IPv4				Self Test		Self Test			
		support of funneling IPv6 over IPv4 MPLS services	6PE				Self Test		Self Test			
500-267	6.8	Network Management Requirements	0, 2				con root		Self Test			
01 000-201	0.0	support of network management services	SNMP		Р		Self Test	Self Declaration	Self Test	Self Declaration		
SP500-267	6.9	Multicast Requirements										
		support of basic multicast	Mcast		Р		Self Test	Self Declaration		Self Declaration		
		full support of multicast communications	SSM				Self Test		Self Test			
500-267	6.10											
		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										
		support of Differentiated Services capabilities	DS				Self Test		Self Test			
500-267	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					
500-267	6.5	Link Specific Technologies										
		support of robust packet compression services	ROHC				Self Test		Self Test			
		support of link technology [O:1]	Link=Ethernet		Р		Self Test	Self Declaration	Self Test	Self Declaration		
		(repeat as needed) support of link technology	Link=					<u> </u>	L	<u> </u>		
12		< Check HERE if this stack's DOC includes	additional infor	mation	about te	sted cap	pabilities and options	on an attached page 3 of notes	s.			
.evel	l evel a	f support for USGv6-v1 Requirements for capability.				Color	Indication of USGv6-v1 Recommended Level of Support for device type / stack role.					
		SDOC makes no declaration for this capability.		55101								
_					Indicates capability that is recommendend 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.							
P		required tests of USGv6-V1 requirements for these capab										
N		es page for details on the level of support of USGv6-v1 re	y.		Indicates capability that is left optional / ocnditional by the recommedations of the USGv6-v1 Profile.							
Х	USGv6	capability not supported in product.										

Suppliers Declaration of Conformity for USGv6 Products: Notes Page and Detailed Test Results Summary											6-v1 SDOC-v1.10 Page 3			
Field	Product 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														
Discussion	:		<u>, </u>											
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10														
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.