əuppi			DITORNITY FOR USGVO	Products	Ancel officers		USGv6-v1 SDOC-v1.10 Page 1				
1	The Doc	ument Req	uiring Conformity:		USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)						
2	Product Identifier: Dell EMC VxRail										
3	Supplier	s Name, A	dress and SDOC Co	ontact Details	warning Total						
Contac Andrea	cts: a Doherty a	ndrea,dohe	rty@emc.com 508-24 rgfederal.dell.com 60								
4	Product	as Tested/l	Declared: Product Ide	ntifier, version/revision information	, details of c	onfiguration	n tested.				
				4	.5						
5	Product	Family (oth	er products using sam	e IPv6 stack(s) to which these res	ults are deci	ared to app	ly). Check Product Family attestation below.				
			VxRa	il family of appliances: P Series, V	Series, S S	eries, E Ser	ries and G Series				
6	USGv6 C summary	apability s e.g. exan	ummary. (For each d	istinct IPv6 stack in the product product product product product product is IPv6-Base+Addr-A	ovide a sum A <i>rch+lPsec</i> -ı	mary of its to v3+IKEv2+S	USGv6 capabilities below and include a detailed test result SLAC+Link=Ethernet.				
7	Self Conf	ained or C	omposite SDOC? (M	USGv6-v1-Host: IPv6-Base+Add	Ir-Arch+SLA	AAC+Link =	= Ethernet				
YES			capabilities of this product	Attained by the Contract of th	canabilities of t	his product on	p provided by the use and/or integration of umodified components that have				
IEG	are addressed by orginal test results reported in this their own unique USGv6				SDOCs. All of the relevant referenced SDOCs are identified in section 8 and attached. This product's capabilities are provided by specific referenced components (product-id/stack-id).						
8	Additional Declarations / Attachments: (List supplier & product-id/stack-i				for reference	ed and attac	ched test results in the case of composite products).				
	Component Supplie			Product ID:	Stack ID:		Notes:				
[1]											
[2]											
[3] [4]				-							
9	Supplem	entary Atte	stations (Answer all).		unillani Tuuros						
	This product is fully functional in dual stack environments. That is, capabilities are invalidated ifthis product is operated in a dual stack 4) network environment.				No	This product is fully functional in IPv6 only environments. That is, no are invalidated if this product is deployed in a network environment the support lpv4.					
	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 lpv6 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		anguea &	Doherty / Consu	Date	7/0	7/24/2018				
	Print Nam	e / Title	Andrea E	. Doherty / Consu	Qtant	Produ	ct Manager, Security / Dell EMC				
See instr	uctions for fie	lds 1-12 on Pa		0			0				

roduct l	d:	Dell EMC VxRail			Stack !	ld:			4.5				
	I												
Spec /			Configuration	rted Capi	aomides	Total Civilian	USGv6 Testing I						
Reference	Section	USGv6-v1 Profile Requirements	Option	Host	Router	NPD	Test Suite	Test Lab / Result ID, Note #, or	Test Suite	Test Lab / Result ID, Note #,			
P500-267		IPv6 Basic Requirements	Сунан	HUSC	Router	NPU	Conformance/NPD	Component Ref	Interoperability	Component Ref			
	0.1	support of IPv6 base (IPv6 ICMPv6 PMTU ND)	IPv6-Base	-			Deale and A. O.	100000000000000000000000000000000000000	CONTRACTOR SERVICE SER				
7		support of PMTU Discovery Protocol requirements	PMTU				Basic_v1.* C	UNH-IOL/28457	Basic V1.* I	UNH-IOL/28460			
		support of stateless address auto-configuration	SLAAC	Р			Basic_v1.*_C	UNH-IOL/28457	Basic_V1.*_I	UNH-IOL/28460			
		support of stateless address auto-configuration support of Creation of Global Addresses	SLAAC - c(M)	P			SLAAC-V1.*_C	UNH-IOL/28457	SLAAC-V1.*_I	UNH-IOL/28460			
		support of SLAAC privacy extensions.		-			SLAAC-V1.* C	UNH-IOL/28457	SLAAC-V1.*_I	UNH-IOL/28460			
		support of stateful (DHCP) address auto-	PrivAddr DHCP-Client	-			Self Test		Self Test				
	_	support of state of (DNCP) address auto- support of automated router prefix delegation			_		DHCP_Client_v1.* C		DHCP_Client_v1.*_I				
190				-			Self Test		Self Test				
P500-267	6.6	support of neighbor discovery security extensions Addressing Requirements	SEND	_			Self Test		Self Test				
P300-207	9.0						THE RESIDENCE MAKE THE PARTY OF			haste artifaction of the second of the secon			
		support of addressing architecture reqts	Addr-Arch					UNH-10L/28459	Addr_Arch_v1.*_i	UNH-IOL/28462			
D200 007		support of cryptographically generated addresses	CGA				Self Test	The state of the s	Self Test				
P500-267	6.7	IP Security Requirements								betterpolytics and a second			
		support of the IP security architecture	IPsecv3				IPsecv3_v1.*_C	and the state of t	iPsecv3_v1.*_i				
		support for automated key management	IKEv2				IKEv2_v1.*_C		IKEv2_v2.*_I				
		support for encapsulating security payloads in IP	ESP	Sanger St.	10.0	9	ESPv3_v1.*_C	the second secon	ESP_v1.*_I				
P500-267	6.11	Application Requirements			I here					Really III and the second			
		support of DNS client/resolver functions	DNS-Client			2000	Self Test	(-, 34 3 1	Self Test				
	27.0	support of Socket application program interfaces	SOCK	- 10			Self Test		Self Test				
- 19		support of IPv6 uniform resource identifiers	URI				Self Test	71-	Self Test				
- 3	0-00	support of a DNS server application	DNS-Server	The same of			Self Test		Self Test				
19.5		support of a DHCP server application	DHCP-Server			6	Self Test		DHCP_Serv_v1.*_I				
P500-267	6.2	Routing Protocol Requirements	Control of the last		-	Name and Address of the Owner, where	Marian Control of the		Dillor Outv VI. I				
77	1	support of the intra-domain (interior) routing	IGW				Self Test		OSPFv3_v1.*_I	The second second			
	V	support for inter-domain (exterior) routing protocols	EGW				Self Test		BGP_v1.*_I				
P500-287	6.4	Transition Mechanism Requirements	Control of the Contro		Total Control		Gen 765i		BGP_VII				
		support of interoperation with IPv4-only systems	IPv4	2000			Self Test	The second secon	Self Test	A DESCRIPTION OF THE PARTY OF T			
	All .	support of tunneling IPv6 over IPv4 MPLS services	6PE				Self Test						
P500-267	6.8	Network Menagement Requirements			-		Sen rest		Self Test				
300-201	0.0	support of network management services	SNMP	San Company of the	-	Name of Street	Daw Tool		Self Test				
P500-267	6.9	Multicast Requirements	CHAIAIL				Self Test		Self Test				
300-E01	0.4	support of basic multicast	Mcast			Proposition	Daw Tarak		the second second				
		full support of multicast communications	SSM				Self Test						
P500-267	6:40	Mobility Requirements	SOM			11000	Self Test		Self Test				
107-501	0.10	support of mobile IP capability.	MIP				The second second	And the state of t		ATT - 100-100-100-100-100-100-100-100-100-1			
							Self Test		Self Test				
0000 007	100 0 mm	support of mobile network capabilities	NEMO				Self Test		Self Test				
P500-267	6.3	Quality of Service Requirements				-				The same of the same of the same of			
		support of Differentiated Services capabilities	DS				Self Test		Self Test				
P500-267	6.12	Network Protection Device Requirements											
	30000	support of common NPD regts	NPD				N1 N2 N3 N4_v1.3						
- 10		support of basic firewall capabilities	FW	5000000	(\$1000)	1	N1_FW_v1.3	e 10		Nagara - San			
		support of application firewall capabilities	APFW	100			Self Test						
		support of intrusion detection capabilities	IDS		4	2	N3_IDS_v1.3						
0.2	1000	support of intrusion protection capabilities	IPS	(managed)	1	5	N4_IPS_v1.3						
P500-267	6.5	Link Specific Technologies					- Contribution to			Market Company			
		support of robust packet compression services	ROHC			80 - 1	Self Test		Self Test				
		support of link technology [O:1] [I	.ink=Ethernet	P			Self Test	Self Declaration	Self Test	Self Declaration			
- 8	.71				8 1 576								
		(repeat as needed) support of link technology I	.ink=										
40	100						4 1.99741		All and the second second				
12		< Check HERE if this stack's DOC include	s additional it	nomai	OUR HOL	ut teste	a capabilities and o	puons on an attached page 3	of notes.				
Level	Level of	support for USGv6-v1 Requirements for capabilit	у			Color	for Indication of USGv6-v1 Recommended Level of Support for device type / stack role.						
mark 8	Blank - SDOC makes no declaration for this capability.					Indicates capability that is recommendend as mandatory (unconditional MUST) in the USGv6-v1 Profile.							
		required tests of USGv6-V1 requirements for these ca			20 = 1	Indicates cabability that is unusal for a given device type / stack role. Do not select without careful analysis.							
		es page for details on the level of support of USGv6-v	or this so-	abilibe		Indicates capability that is unusal for a given device type / stack role. Do not select without careful analysis. Indicates capability that is left optional / ocnditional by the recommedations of the USGv6-v1 Profile.							
		capability not supported in product.	reequirements K	n unis ca	жошку.		norcales capability that is	ien optional / ocnditional by the reco	mmedations of the USGv6	3-V1 Profile.			
	C'*	NCC 6 Test mile and factor is Company	-1-1										
st Suite	Suite - Specific USGv6 Test suite used for test. See: http://www.antd.nist.gov/usgv6/test-specifications.html t Lab / Result ID - Abbreviation of accredited laboratory and its local identifier for this test result.				ni .								
							Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.						

Barrier Street, Street			mily for USGVO Products: Notes Pa	FIOR USGVO PRODUCTS: NOTES Page and Detailed Testikesults/Summary							
	Product Id:										
13				Context /	Supported Ca		abilities		Notes about USC	3v6-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
1											
Discussio	n·			700-			A 01 D				
2											
Discussio	n:				T			-			
3		144			l						
Discussio	n:									<u> </u>	
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Discussio	n:										
10							_				
Discussio	n:							' · ·			
		/ Discussion	about this Product / Stack's capabilities:							22270	

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.

Fleid	Description and Instructions	Fleld	Description and Instructions
1	The Document Requiring Conformity: Identifies the profile version implemented. Not a user completable field.	11	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.
2	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.
3	Suppliers Name, Address and Contact Details: Company name and point of contact for SDOC questions, street address, phone and email.	i	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.
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).		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.
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.		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.
6	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).		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 USGv8 Profile.
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.	12	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.
8	Additional Declarations / Attachements: List the supplier / product ID / Stack ID of any test results of composite components referenced by this SDOC.		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.
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.	13	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.
10	Signature Block: Wet ink signature of the responsible product manager, dated. Printed name and position title on the line below.		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 discussed to the house.

disclosed to the buyer.