Suppl	iers Declar	Suppliers Declaration of Conformity for USGv6 Products	Gv6 Products				HSGVS-V1 SDOO-V1 10 Box 1	
,  -	I III DOCU	The Document Requiring Conformity:	y:				USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)	
) N	Product Identifier:	dentifier:			SUSEL	SUSE Linux Enterpr		
3 3	Supplier	Supplier's Name, Address and SDOC Contact Details	C Contact Detail	S				
Maxfe	Idstrasse 5,	Maxfeldstrasse 5, 90409 Nümberg, Germany						
Phone	www.suse.com Phone: +49-(0)911-740-53-0	1-740-53-0						
Email:	Email: mark.damell@suse.com	l@suse.com						
4	Product a	Product as Tested/Declared: Product Identifier, version/revision information, details of configuration tested.	ct Identifier, versio	on/revision information, d	etails of confi	guration teste	d.	
				12 Servi	12 Service Pack 4			
5	Product F	amily (other products using	same IPv6 stack	(s) to which these results	an dodana			
					aic uccialion	ito apply). Ci	to decided to apply). Check Product Family attestation below.	
6	USGv6 Ca	pability summary. (For each	ach distinct IPv6 s	stack in the product provide	de a summan	y of its USGv6	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) is a example and idea to the control of the control	
	Callinary).	ISC.5. II The Base+Addr-Arch+IPsec-v3+IKEv2+SLAC+Link=Ethemet.	-1: USGV6-V1-HO	st: IPv6-Base+Addr-Arch	+IPsec-v3+IK	Ev2+SLAC+L		
			14-0AB/01	озбуб-у1-Host: IPv6-Base+Addr-Arch+SLAAC+ESP+Link = Ethernet	Arch+SLAAC	+ESP+Link =	Ethernet	
7	Self Conta	Self Contained or Composite SDOC? (Must indicate one).	(Must indicate or	ne).				
YES	All of the declar addressed by o	All of the declared USGv6 capabilities of this product are addressed by orginal test results reported in this SDOC.	are NO	Some or all of the USGv6 capabilities of this product are provided by USGv6 SDOCs. All of the relevant referenced SDOCs are identified are provided by specific referenced components (product-id/stack-id)	abilities of this proced about the second sec	duct are provided by DOCs are identified (product-id/stack-ic	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 / Attachmen	ts: (List supplier &	product-id/stack-id for re	ferenced and	d attached tes	Additional Declarations / Attachments: (List supplier & product-id/stack-id for referenced and attached test results in the case of composite products).	
	Component Supplier	t Supplier	Product ID:	D:	Stack ID:	Z	Notes:	
3 3						2	TOWO.	
3 2								
43								
9	Supplemer	Supplementary Attestations (Answer all).	all).					
		This product is fully functional in the	my.					
		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.	stack environments.Tha n a dual stack (6 and 4)n	at is, no claimed capabilities are etwork environment.	YES	This product is full invalidated if this p	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 lpv4.	
100	YES	This SDOC contains a capabilities test report for each unique IPv6 stack in the product. If not, the stacksports not covered are documented, and how their lpv6 capabilities differ from those reported are explained.	st report for each unique nted, and how their lpv6 o	IPv6 stack in the product. If not, th capabilities differ from those	YES	All of the products capabilities are ide conformance and it	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 COCO. The USGv6 capabilities of an identified member of	
3						capabilitiesare ider	capabilitiesare identical and unmodified for all the products cited above.	
10	Signature	,	W)		Date	2/8/9	703	
èee instruc	See instructions for fields 1-12 on Page 4.		wan ballell/ Sellor Product Manager	nager				
00000	acirci nordo 1-	iz wit age 4.						

apability or result on attached page. at provides this capability.	tailed note about this cly tested component th	Note # - reference to a detailed note about this capability or result on attached page Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.	Component Ref -		. <del></del>	fier for this test resu	Abbreviation of accredited laboratory and its local identified	Result ID -	lest Lab / R
		N.A. H		itm!	ecifications.	t.gov/usgv6/test-sp	Test Suite - Specific USGv6 Test suite used for test. See: http://www.antd.nist.gov/usgv6/test-specifications.html	Specific U	Test Suite
v1 Profile.	dations of the USGv6-	or of the USGv6-v1 Profile	and so baseling and to to				USGv6 capability not supported in product.	USGV6 C	>
it careful analysis.	Do not select without careful analysis	Indicates canability that is unusal for a given device type / stack role.	ndicates capability that is un		is capability	eequirements for th	See notes page for details on the level of support of USGv6-v1 reequirements for this capability	See note	z
v6-v1 Profile.	onal MUST) in the USG	Indicates capability that is recommendend as mandatory (unconditional MUST) in the USGv6-v1 Profile	ndicates capability that is re			hilities	Passed required tests of USGv6-V1 requirements for these capabilities	Passed r	P
Vpe / stack role	of Support for device	ation of USGv6-v1 Recommended Level of Support for device type / stack role	Indicatio	Color			Blank - SDOC makes no declaration for this canability.	Blank - S	Level
		bage of lines.							lovol
		an attached page 3 of notes		t tested capa	ation abou	dditional informa	< Check HERE if this stack's DOC includes additional information about tested capabilities and options		12
Seil Decidiation	0011000		Ш			.ink=	(repeat as needed) support of link technology Link=		
Self Declaration	Self Test	Self Declaration	Self Test		P	Link=Ethemet			
			Self Test			ROHC	t of robust packet compression services		
			N4 IPS v1.3			IPS	Link Specific Technologies	6.5	SP500-267
			N3_IDS_v1.3			IDS	support of intrusion detection capabilities		
			Soft Tost		+	APFW	support of application firewall capabilities		
			N1 N2 N3 N4_v1.3			NPD	support of common NPD reqts support of basic firewall capabilities		
	Sell lest						Network Protection Device Requirements	0.12	35-300-207
	0-67		Self Test			DS	support of Differentiated Services capabilities	643	SD500 06.
	Self Test		Self Test			INCINIO	Quality of Service Requirements	7 6.3	SP500-267
	Self Test		Self Test			MIP	support of mobile network canabilities		
	Self Test		Oct. 1630				Mobility Requirements	6.10	SP300-26/
			Self Test			MSS	rt of		5050000
	Oct 1000					Moaet	support of basic multicast	Н	
	Self Test		Self Test			SNMP	Support of network management services  Multicast Requirements	7 6.9	SP500-267
	Self Test		Sell lest				Network Management Requirements	7 6.8	SP500-267
	Self Test		Self Test	_		6PE	support of tunneling IPv6 over IPv4 MPLS services	Н	
	VOI.					IPvA	support of interoperation with IPv4-only systems	Н	
	OSPFv3 v1.* I		Self Test			EGW	Transition Mechanism Requirements	7 6.4	SP500-267
			Self Test			IGW	support of the intra-domain (interior) routing protocols		
	DHCP Serv v1.* I	4	Self Test			DUCK-Server	Routing Protocol Requirements	7 6.2	SP500-267
	Self Test		Self Test			DNS-Server	support of a DHCP server application	+	
	Self Test		Self Test			URI	support of IPv6 uniform resource identifiers	$\dagger$	
	Self Test		Self Test			SOCK	support of Socket application program interfaces	t	
			CONTON			DNS-Client	support of DNS client/resolver functions	Н	
UNH-IOL/32003	ESP v1.* I	UNH-IOL/32000	ESPv3_v1.*_C		P	ESP	Application Requirements	6.11	SP500-267
UNH-IOL/32001, Note 1	IPSecv3 v1.* I	UNH-IOL/32000 Note 2	ľ		z	IKEv2	support for automated key management	+	
		INITIO (SSOOO	2		z	IPsecv3	support of the IP security architecture		
ONT-10L/3 1999	Self Test		Self Test			CGA	IP Security Requirements	6.7	SP500-267
LINE IOL STOOP	Addr Arch v4 * 1	UNH-IOL/31998	Addr_Arch_v1.* C		P	Addr-Arch	support of addressing architecture reqts	$\dagger$	
	Self Test		Cell Test				Addressing Requirements	6.6	SP500-267
	Self Test		Self Test		1	SEND	support of neighbor discovery security extensions	t	
UNH-IOL/32005	DHCP_Client_v1.* I	UNH-IOL/32004 Notes 3-8			z	DHCP-Client DHCP-Prefix	support of automated router prefix delegation		
UNH-IOL/31997	Self Test		Self Test			PrivAddr	support of Stateful (DHCB) address outs	+	
UNH-IOL/31997	SLAAC-V1.* I	UNH-IOL/31996	SLAAC-V1.* C		Ъ	SLAAC - c(M)	support of Creation of Global Addresses	+	
UNH-IOL/31997	Basic V1.* I	UNH-IOL/31996	90	+	ד ס	SLAAC	support of stateless address auto-configuration		
UNH-IOI /31907	Basic V1.* I	UNH-IOL/31996	v1.* C		9 9	IPv6-Base	support of IPv6 base (IPv6;ICMPv6;PMTU;ND) support of PMTU Discovery Protocol requirements	+	
	Test Suite Interoperability	Component Ref	Comomanceme				IPv6 B	_	3-000-Z
Test Lab / Result ID, Note #, or	ogiaiii Results	te #, or	Test Suite	Router NPD	Host	Configuration		e Section	Reference
	ogram Results	USGv6 Testing Pr		Supported Capabilities	Supporte	Context /		T	2000
	12 Service Pack 4			Stack Id:	S	erver	SUSE Linux Enterprise Server		
USGv6-v1 SDOC-v1.10 Page 2			Results Summary	ies and lest	Capabilli	ducts. Decidied	CITIES IN COORD FOUNCIS. Deciding Capabilities and lest Results Summary	<del>-</del>	Product Id:
					Capabilli	ducts: Declarat	liers Declaration of Conformity for USGv6 Pro	Supp	11

							about this Product / Stack's capabilities:	Discussion	General Notes /	Vendor's G
					,				#	Discussion
				,	-					9
					репу	handled prop	UseMulticast, NoBinding, and UnspecFail status codes are not handled properly	UseMulticas	2	Discussion
	JNH-IOL/32004 Note 8	DHCP Client v1.2 C UNH-IOL/32004 Note 8		A)	Client c(M)	DHCP Client	Dynamic Host Config Protocol (DHCPv6)		RFC3315	00
			cess	eply as success	onsiders any i	but rather it c	Status codes in a reply to release messages are not checked, but rather it considers any reply as	Status code	1:	Discussion
	UNH-IOL/32004 Note 7	DHCP Client v1.2 C U		<u>s</u> )	Client c(M)	DHCP Client	Dynamic Host Config Protocol (DHCPv6)		RFC3315	7
					bind message	ending the re	Rebind reply messages with no IA are discarded instead of resending the rebind message	Rebind repl	2	Discussion
	JNH-IOL/32004 Note 6	DHCP_Client_v1.2_C UNH-IOL/32004 Note 6	× 1	<u>S</u>	Client c(M)	DHCP Client	Dynamic Host Config Protocol (DHCPv6)		RFC3315	6
					removed.	s have been	Release messages are sent to the server before the addresses have been removed	Release me	2:	Discussion
	UNH-IOL/32004 Note 5	DHCP Client v1.2 C L	٧	<u>×</u>	Client c(M)	DHCP Client	Dynamic Host Config Protocol (DHCPv6)		RFC3315	O1
		immediately.	ther than imm	T is over, rat	current the R	deferred until	After receiving an advertise message, the request message is deferred until current the RT is over, rather than	After receiv	n:	Discussion
	UNH-IOL/32004 Note 4	DHCP Client v1.2 C		<u>s</u>	Client c(M)	DHCP Client	Dynamic Host Config Protocol (DHCPv6)		RFC3315	4
					.0.1s.	D factor of +/-	The retransmit-time calculation does not include previous RAND factor of +/- 0.1s.	The retrans	n:	Discussio
	UNH-IOL/32004 Notes 3	DHCP_Client_v1.2_C		c(M)		DHCP Client	Dynamic Host Config Protocol (DHCPv6)	7	RFC3315	w
TN1 that specified TCP	ceiving an IKE_AUTH packet from	packet from TN1 after rec	cho Request	encrypted Ec	sponse to an e	packet in res	The device under test transmitted an unencrypted Echo Reply packet in response to an encrypted Echo Request packet from TN1 after receiving an IKE_AUTH packet from TN1 that specified TCP selectors.	The device selectors.	n.	Discussio
	UNH-IOL/32002, Note 2	IKEv2_v1.* C		_	v2 M	IKEv2	Internet Key Exchange (IKEv2) Protocol		RFC4306	2
the packet could be sposor recover if this event on sible.	between the two tunnel endpoints event that this occurs. To mitigate intenance update as soon as fea	ally be sent by a router b t be compromised in the of ue the fix in a kernel mai	e would nom ta should not ue and will iss	ille this frame ack. User da x for this issu	sec tunnel. Whe of service attaintegrate the fi	ffic on an IPs d as a denial ode base to in	This defect allows an ICMP Packet-too-big frame to stop all traffic on an IPsec tunnel. While this frame would normally be sent by a router between the two tunnel endpoints, the packet could be sponsor of the tunnel endpoint details. This defect is therefore classified as a denial of service attack. User data should not be compromised in the event that this occurs. To mitigate or recover if this event of establish the tunnel. SUSE is working in the upstream Linux code base to integrate the fix for this issue and will issue the fix in a kernel maintenance update as soon as feasible.	This defect of the tunn establish th	ā.	Discussio
IPsecv3_v1.*_I				<b>X</b>		IPsec-v3	Encapsulating Security Payload (ESP)		RFC4303	-
IPsecv3 v1.* I				8	_	IPsec-v3	Security Architecture for the IP		RFC4301	_
Test Suite Interoperability	Test Lab / Result ID, Note	Test Suite Conformance/NPD	er NPD	Host Router	Option H	Config	USGv6-v1 Profile Requirements	Section	Reference	Note #
Notes about USGv6-v1 Capabilities.	Notes about USG		apabilities	Supported Capabilities	_	Con			Spec /	5
12 Service Pack 4			k ld:	Stack Id:		Server	SUSE Linux Enterprise Server		Product id:	Field
USGN			Ŋ	ts Summa	Test Result	d Detailed	Suppliers Declaration of Conformity for USGv6 Products: Notes Page and Detailed Test Results Summary	n of Confo	s Declaration	Supplier

as the only protocol in the traffic
ofed by anyone with knowledge ccurs, simply bring down and re-
UNH-IOL/32001, Note 1
UNH-IOL/32001, Note 1
Test Lab / Result ID, Note
6-v1 SDOC-v1.10 Page 3