

Supplier's Declaration of Conformity for USGv6-v1.0 Products			Page 1	
1	Test Laboratory's Product Id			
2	Supplier's name, address and contact details			
3	Product Description: Product Name, S/W, H/W, H/W-S/W combination, Revision Level, Product Family.			
4	Product implementation summary, e.g. USGv6-v1-Capable+IPv4+DHCP-Client+DNS-Client+URI+Link=Ethernet			
5	The Document Requiring Conformity			
USGv6 Profile version 1.0, July 2008.				
Check One	Attestation			
	The results of conformance and interoperability testing the USGv6 capabilities of this product are listed in this original SDOC. <b>-OR-</b>			
	The USGv6 capabilities of this product are provided by bundling in a single USGv6 stack, identified above. The results of conformance and interoperability testing are referenced by attaching the original SDOC. <b>-OR-</b>			
	The USGv6 capabilities of this product are provided by the integration of two or more components identified above. The results of conformance testing the independent components are referenced by attaching their SDOCs. The interoperability testing results are unique, referenced in this original SDOC and attested here.			
	Signature		Date	
	Title			

**Test Laboratory's Product Id** <supplier to add>

This document summarizes specific details of a USGv6-v1.0 product or series. It is developed by the product supplier. Its consumer is the product buyer. Guidance for both parties is given below.

**Guidance for Suppliers**

The left half of the template (page 3) duplicates the configuration checklist, including all the mandatory functions for Host, Router and NPD. The right half of the template identifies the test selections for conformance and interoperability, with their current versions. Where a test label is given, these tests must be passed. In the cells where "Self Test" is written, there are no tests in existence today, and suppliers must test in-house. The columns to the right of the conformance and interoperability test labels respectively require supplier completion to identify the test laboratory where tested.

Further detailed guidance on how the SDOC instance can be created is given in NIST SP 500-281 "USGv6 Testing Program User's Guide". The guidance includes provision for how to test and/or represent composite products, that combine test results from different component parts. Recognizing that many vendors choose to market product lines and product families, note that claims should focus on compliance of the unique stack, and not the product label. Hence a single IPv6 stack may be installed in a variety of products differentially labelled, It is only required to test the unique stack once.

**Test Laboratory and Accreditor Identifiers**

Lab Abbreviation	Lab Details	Lab Contact	Accreditor
ICSA	ICSA Labs, <a href="http://www.icsalabs.com">http://www.icsalabs.com</a>	<a href="mailto:Guy.Snyder@icsalabs.com">Guy.Snyder@icsalabs.com</a>	<tba>
IOL	University of New Hampshire InterOperability Laboratory, <a href="http://www.iol.unh.edu">http://www.iol.unh.edu</a>	<a href="mailto:Erica.Johnson@iol.unh.edu">Erica.Johnson@iol.unh.edu</a>	<tba>
Self Test	Supplier's internal testing operation	<supplier adds here>	n/a

**Guidance for USG Agencies and Other Buyers**

This document identifies a USGv6 v1.0 networking product from the supplier given above. The declarations of conformity on Page 3 constitute the specification of the product and list USGv6-v1.0 capabilities implemented and tested. Only in the case where all functions listed as unconditional 'M' in the profile are implemented and tested, can the product be labelled "USGv6-v1.0-compliant". Networking stacks are complex and the many capabilities are tested separately, for conformance, and in combination, for interoperability. Buyers may want to verify information given in this document. The accredited laboratory where tested, and the laboratory's product test identifier are given for this purpose.

The test version numbers given in this template are listed with a major and a minor version number. Agencies and buyers are urged to compare product results against the currently in force major number, without regard to the minor number. Hence, 'v1.\*' implies that v1.1, v1.2, v1.3 and so on are all valid results.

Test Laboratory's Product Id										
Spec / Reference	Section	Additional Information IPv6 Requirements	Configuration Option	Configuration			Test Suite Conformance/NPD	Test Lab & Lister ID	Test Suite Interop	Test Lab & Lister ID
				Host	Router	NPD				
SP500-267	6.1	<b>IPv6 Basic Requirements</b>		M	M		<b>Basic_v1.*_C</b>		<b>Basic_V1.*_I</b>	
		support of stateless address auto-configuration	SLAAC				SLAAC-V1.*_C		SLAAC-V1.0_I	
		support of stateless address auto-configuration with SLAAC privacy extensions	PrivAddr				Self Test		Self Test	
		support of stateful (DHCP) address auto-configuration	DHCP-Client				Self Test		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	
SP500-267	6.6	<b>Addressing Requirements</b>		M	M		<b>Addr_Arch_v1.*_C</b>		<b>Addr_Arch_v1.*_I</b>	
		support of cryptographically generated addresses	CGA				Self Test		Self Test	
SP500-267	6.7	<b>IP Security Requirements</b>		M	M					
		support of the IP security architecture	IPsec-V3	M	M		IPsecv3_v1.*_C		IPsecv3_v1.*_I	
		support for automated key management	IKEv2	M	M		IKEv2v1.*_C		IKEv2v1.0_I	
		support for encapsulating security payloads in IP	ESP	M	M		ESP_v1.*_C		ESP_v1.*_I	
SP500-267	6.11	<b>Application Requirements</b>								
		support of DNS client/resolver functions	DNS-Client				Self Test		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-Sever				Self Test		Self Test	
		support of a DHCP server application	DHCP-Server				Self Test		DHCP_Serv_v1.*_I	
SP500-267	6.2	<b>Routing Protocol Requirements</b>								
		support of the intra-domain (interior) routing protocols	IGW				Self Test		OSPFv3_v1.*_I	
		support for inter-domain (exterior) routing protocols	EGW				Self Test		BGP_v1.*_I	
SP500-267	6.4	<b>Transition Mechanism Requirements</b>								
		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	
SP500-267	6.8	<b>Network Management Requirements</b>			M					
		support of network management services	SNMP		M		Self Test		Self Test	
SP500-267	6.9	<b>Multicast Requirements</b>		M	M					
		full support of multicast communications	SSM				Self Test		Self Test	
SP500-267	6.10	<b>Mobility Requirements</b>								
		support of mobile IP capability	MIP				Self Test		Self Test	
		support of mobile network capabilities	NEMO				Self Test		Self Test	
SP500-267	6.3	<b>Quality of Service Requirements</b>								
		support of Differentiated Services capabilities	DS				Self Test		Self Test	
SP500-267	6.12	<b>Network Protection Device Requirements</b>				M				
		support of basic firewall capabilities	FW				N1_FW			
		support of application firewall capabilities	APFW				N2_App_FW			
		support of intrusion detection capabilities	IDS				N3_IDS			
		support of intrusion protection capabilities	IPS				N4_IPS			
SP500-267	6.5	<b>Link Specific Technologies</b>		M	M		<b>Self Test</b>		<b>Self Test</b>	
		support of robust packet compression services	ROHC							
		support of link technology	Link=	M	M		Self Test		Self Test	
		(repeat as needed) support of link technology	Link=							