Suppliers Declaration of Conformity for USGv6 Products

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1	The Document Requiring Conformity:	USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)	
2	Product Identifier:	Unity	
3	Supplier's Name, Address and SDOC Contact Details		
	Supplier's Name: DellEMC		
	Address:		
	300 Innovation Way		
	Nashua NH 03063		
	SDOC Contact Details:		
	George Dilger II		
4	Product as Tested/Declared: *Product Identifier, version/revision information, details of configuration tested*		
	4.2.0.9313057		
5	Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). *Check Product Family attestation below.*		
	Unity 350, Unity 450, Unity 550, Unity 650		
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*		
	USGv6-v1-Host: IPv6-Base+Addr-Arch+SLAAC+DNS-Client+SOCK+URI+IPv4+SNMP+Mcast+APFW+Link = Ethernet		

7. Self Contained or Composite SDOC? (Must indicate one).

Yes	All of the declared USGv6 capabilities of this product are addressed by orginal test results reported in this SDOC.		Some or all of the USGv6 capabilities of this product are provided by the use and/or integration of unmodified 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 / Attachments: (List supplier & product-id/stack-id for referenced and attached test results in the case of composite products).

Component Supplier	Product ID:	Stack ID:	Notes:
[1]			
[2]			
[3]			
[4]			

9. Supplementary Attestations (Answer all).

Yes	This product is fully functional in dual stack environments. That is, no claimed capabilities are invalidated if this product is operated in a dual 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 not, the stacks/ports not covered are documented, and how their Ipv6 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 capabilitiesare identical and unmodified in this SDOC. The SDOC attests that these tested USGv6 capabilitiesare identical and unmodified for all the products cited above.

10.

Signature		Date	
[signature]		10-26-17	
Print Name / Title			
George H. Dilger II			

Product Id: **Stack Id:** 4.2.0.9313057

Spec / Reference	Section	USGv6-v1 Profile Requirements (Unity)	Context / Configuration Option	Host	Router	NPD	Conformance/NPD Test Suite	Test Lab / Result ID, Note # or Component Ref	Interop Test Suite	Test Lab / Result ID, Note # or Component Ref
SP500-267	6.1	**IPv6 Basic Requirements**								
		support of IPv6 base (IPv6:ICMPv6:PMTU:ND)	IPv6-Base	P (green)			Basic_v1.*_C	Basic_V1.*_C / UNH-IOL27110	Basic_V1.*_I	UNH-IOL27112
		support of PMTU Discovery Protocol requirements	PMTU	P (green)			Basic_v1.*_C	UNH-IOL27110	Basic_V1.*_I	UNH-IOL27112
		support of stateless address auto-configuration	SLAAC	P			SLAAC-V1.*_C	SLAAC-V1.*_C / UNH-IOL27111	SLAAC-V1.*_I	UNH-IOL27113
		support of Creation of Global Addresses	SLAAC - c(M)	P			SLAAC-V1.*_C	SLAAC-V1.*_C / UNH-IOL27111	SLAAC-V1.*_I	UNH-IOL27113
		support of SLAAC privacy extensions	PrivAddr				Self Test	Self Test	Self Test	
		support of stateful (DHCP) address auto-	DHCP-Client				DHCP_Client_v1.*_C	DHCP_Client_v1.*_C	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	**Addressing Requirements**								
		support of addressing architecture reqts	Addr-Arch	P (green)			Addr_Arch_v1.*_C	Addr_Arch_v1.*_C / UNH-IOL27114	Addr_Arch_v1.*_I	UNH-IOL27115
		support of cryptographically generated addresses	CGA				Self Test		Self Test	
SP500-267	6.7	**IP Security Requirements**								
		support of the IP security architecture	IPsec3	P (green)			IPsec3_v1.*_C	IPsec3_v1.*_C	IPsec3_v1.*_I	
		support for automated key management	IKEv2	P (green)			IKEv2_v1.*_C	IKEv2_v1.*_C	IKEv2_v2.*_I	
		support for encapsulating security payloads in IP	ESP	P (green)			ESPv3_v1.*_C	ESPv3_v1.*_C	ESP_v1.*_I	
SP500-267	6.11	**Application Requirements**								
		support of a DNS server application	DNS-Server				Self Test	Self Test	Self Test	Self Declaration
		support of a DHCP server application	DHCP-Server				Self Test	DHCP_Serv_v1.*_I	Self Test	Self Declaration
		support of DNS client/resolver functions	DNS-Client	P			Self Test	Self Test	Self Test	Self Declaration
		support of Socket application program interfaces	SOCK	P			Self Test	Self Test	Self Test	Self Declaration
		support of IPv6 uniform resource identifiers	URI	P			Self Test	Self Test	Self Test	Self Declaration
SP500-267	6.2	**Routing Protocol Requirements**								
		support of the intra-domain (interior) routing	IGW				Self Test	Self Test	OSPFv3_v1.*_I	Self Declaration
		support for inter-domain (exterior) routing protocols	EGW				Self Test	Self Test	BGP_v1.*_I	Self Declaration
SP500-267	6.4	**Transition Mechanism Requirements**								
		support of interoperation with IPv4-only systems	IPv4	P			Self Test	Self Test	Self Test	Self Declaration
		support of tunneling IPv6 over IPv4 MPLS services	6PE				Self Test	Self Test	Self Test	Self Declaration
SP500-267	6.8	**Network Management Requirements**								
		support of network management services	SNMP		P (green)		Self Test	Self Test	Self Test	Self Declaration
SP500-267	6.9	**Multicast Requirements**								
		support of basic multicast	Mcast		P (green)		Self Test	Self Test	Self Test	Self Declaration
		full support of multicast communications	SSM				Self Test	Self Test	Self Test	Self Declaration
SP500-267	6.10	**Mobility Requirements**								
		support of mobile IP capability.	MIP				Self Test	Self Test	Self Test	Self Declaration
		support of mobile network capabilities	NEMO				Self Test	Self Test	Self Test	Self Declaration
SP500-267	6.3	**Quality of Service Requirements**								
		support of Differentiated Services capabilities	DS			P (green)	Self Test	Self Test	Self Test	Self Declaration
SP500-267	6.12	**Network Protection Device Requirements**								
		support of common NPD reqts	NPD				N1|N2|N3|N4 v1.3	Self Test	Self Test	
		support of basic firewall capabilities	FW				N1_FW_v1.3	Self Test	Self Test	Self Declaration
		support of application firewall capabilities	APFW			P		Self Test	Self Test	Self Declaration
		support of intrusion detection capabilities	IDS				N3_IDS_v1.3	Self Test	Self Test	Self Declaration
		support of intrusion protection capabilities	IPS				N4_IPS_v1.3	Self Test	Self Test	Self Declaration
SP500-267	6.5	**Link Specific Technologies**								
		support of robust packet compression services	ROHC				Self Test	Self Test	Self Test	Self Declaration
		support of link technology [O:1] Link=	Link=Ethernet		P (green)		Self Test	Self Test	Self Test	Self Declaration
		(repeat as needed) support of link technology Link=								

< Check HERE if this stack's DOC includes additional information about tested capabilities and options on an attached page 3 of notes.

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Suppliers Declaration of Conformity for USGv6 Products: Notes Page and Detailed Test Results Summary

Field	Product Id:				Stack Id:					Notes about USGv6-v1 Capabilities.	
13	**Spec / Reference**	**USGv6-v1 Profile Requirements**	**Context / Configuration Option**	**Supported Capabilities**			**Test Suite Conformance/NPD**	**Test Lab / Result ID, Note**		**Test Suite Interoperability**	**Test Lab / Result ID, Note**
	Section			**Host**	**Router**	**NPD**					
1											
Discussion:											
2											
Discussion:											
3											
Discussion:											
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Discussion:											
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Discussion:											
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Discussion:											
10											
Discussion:											

Discussion:
Vendor's General Notes / Discussion about this Product / Stack's capabilities:

Suppliers Declaration of Conformity for USGv6 Description and Instructions

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	Description and Instructions	Field	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.		
3	**Suppliers Name, Address and Contact Details**: Company name and point of contact for SDOC questions, street address, phone and email.		**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.
4	**Product as Tested/Declared**: Product Identifier and detailed version information. If this SDOC reports original test results (page 2), include information about the specific product configuration(s) that was actually tested (e.g., hardware configuration, operating system, etc).		**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.
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.		**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.
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).		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.
7	**Self Contained or Composite SDOC**: If this SDOC relies on the test results of other distinct products, list the Supplier & Product ID/Stack IDs referenced and attach those original SDOCs to this one.		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 USGv6 Profile.
8	**Additional Declarations / Attachements**: List the supplier / product ID / Stack ID of any test results of composite components referenced by this SDOC.	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.
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.
			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.
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 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.