


Suppliers Declaration of Conformity for USGv6 Products		USGv6-v1 SDOC-v1.10 Page 1
The Document Requiring Conformity:		USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)
2	Product Identifier:	macOS
3	Supplier's Name, Address and SDOC Contact Details	Apple Inc. 1 Infinite Loop, Cupertino, CA 95014 408-974-1010
4	Product as Tested/Declared:	Product Identifier, version/revision information, details of configuration tested. 10.13
5	Product Family (other products using same IPv6 stack(s) to which these results are declared to apply):	Check Product Family attestation below. N/A
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+Link = Ethernet	
7	Self Contained or Composite SDOC? (Must indicate one).	
YES	All of the declared USGv6 capabilities of this product are addressed by original test results reported in this SDOC.	NO 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).	
[1]	Component Supplier	Product ID: Stack ID: Notes:
[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 capabilities are identical and unmodified for all the products cited above.
10	Signature	Date
		10/30/2017
	Print Name / Title	
	PRABHAKAR LAKHERA / Senior Software Engg, Anternet Technologies, Apple Inc.	

Product Id:	macOS		Supported Capabilities		USGv6 Testing Program Results					
Spec / Reference	Section	USGv6-v1 Profile Requirements	Context / Configuration Option	Host	Router	NPD	Test Suite Conformance/NPD	Test Lab / Result ID, Note #, or Component Ref	Test Suite Interoperability	Test Lab / Result ID, Note #, or Component Ref
SP500-267	6.1	<b>IPV6 Basic Requirements</b> support of IPv6 base (IPv6:ICMPv6:PMTU,ND) support of PMTU Discovery Protocol requirements support of stateless address auto-configuration support of Creation of Global Addresses support of SLAAC privacy extensions support of stateful (DHCP) address auto-configuration support of automated router prefix delegation support of neighbor discovery security extensions	IPV6-Base PMTU SLAAC SLAAC - c(M) PrivAddr DHCP-Client DHCP-Prefix SEND	P			Basic v1.* C Basic v1.* C SLAAC-V1.* C SLAAC-V1.* C Self Test DHCP Client v1.* C Self Test Self Test	UNH-IOL/26227 UNH-IOL/26227 UNH-IOL/26228 UNH-IOL/26228 UNH-IOL/26228 Self Test UNH-IOL/26229 Self Test	Basic V1.* I Basic V1.* I SLAAC-V1.* I SLAAC-V1.* I Self Test DHCP Client v1.* I Self Test Self Test	UNH-IOL/26230 UNH-IOL/26230 UNH-IOL/26231 UNH-IOL/26231
SP500-267	6.6	<b>Addressing Requirements</b> support of addressing architecture reqts support of cryptographically generated addresses	Addr-Arch CGA	P			Addr Arch v1.* C Self Test	UNH-IOL/26229 Self Test	Addr Arch v1.* I Self Test	UNH-IOL/26232 Self Test
SP500-267	6.7	<b>IP Security Requirements</b> support of the IP security architecture support for automated key management support for encapsulating security payloads in IP	IPsecv3 IKEv2 ESP				IPsecv3 v1.* C IKEv2 v1.* C ESPv3 v1.* C		IPsecv3 v1.* I IKEv2 v2.* I ESP v1.* I	
SP500-267	6.11	<b>Application Requirements</b> support of DNS client/resolver functions support of Socket application program interfaces support of IPv6 uniform resource identifiers support of a DNS server application support of a DHCP server application	DNS-Client SOCK URI DNS-Server DHCP-Server				Self Test Self Test Self Test Self Test Self Test		Self Test Self Test Self Test Self Test DHCP Serv_v1.* I	
SP500-267	6.2	<b>Routing Protocol Requirements</b> support of the intra-domain (interior) routing protocols support for inter-domain (exterior) routing protocols	IGW EGW				Self Test Self Test		OSPFv3 v1.* I BGP v1.* I	
SP500-267	6.4	<b>Transition Mechanism Requirements</b> support of interoperation with IPv4-only systems support of tunneling IPv6 over IPv4 MPLS services	IPv4 6PE				Self Test Self Test		Self Test Self Test	
SP500-267	6.8	<b>Network Management Requirements</b> support of network management services	SNMP				Self Test		Self Test	
SP500-267	6.9	<b>Multicast Requirements</b> support of basic multicast full support of multicast communications	Mcast SSM				Self Test Self Test		Self Test	
SP500-267	6.10	<b>Mobility Requirements</b> support of mobile IP capability	MIP				Self Test		Self Test	
SP500-267	6.3	<b>Quality of Service Requirements</b> support of Differentiated Services capabilities	NEMO DS				Self Test Self Test		Self Test	
SP500-267	6.12	<b>Network Protection Device Requirements</b> support of basic firewall capabilities support of application firewall capabilities support of intrusion detection capabilities support of intrusion protection capabilities	NPD FW APFW IDS IPS				N1IN3IN4 v1.3 N1_FW v1.3 Self Test N3_IDS v1.3 N4_IPS v1.3		Self Test	
SP500-267	6.5	<b>Link Specific Technologies</b> support of robust packet compression services support of link technology [0:1] (repeat as needed) support of link technology	ROHC Link= Ethernet Link=	P			Self Test Self Test	Self Declaration Self Declaration	Self Test Self Test	Self Declaration Self Declaration

Level	Color	Indication of USGv6-v1 Recommended Level of Support for device type / stack role.
P		Indicates capability that is recommended as mandatory (unconditional MUST) in the USGv6-v1 Profile.
N		Indicates capability that is unusual for a given device type / stack role. Do not select without careful analysis.
X		Indicates capability that is left optional / ocnditional by the recommendations of the USGv6-v1 Profile.
<b>&lt; Check HERE if this stack's DOC includes additional information about tested capabilities and options on an attached page 3 of notes.</b>		
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<b>Test Suite - Specific USGv6 Test suite used for test. See: <a href="http://www.nttd.gov/usg6/test-specifications.html">http://www.nttd.gov/usg6/test-specifications.html</a></b>		
<b>Test Lab / Result ID - Abbreviation of accredited laboratory and its local identifier for this test result.</b>		
<b>Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.</b>		
<b>Note # - reference to a detailed note about this capability or result on attached page</b>		

Field 13	Product Id:		macOS		Stack Id:			High Sierra 10.13		
	Spec / Reference	Section	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	
1										
Discussion:										
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Vendor's General Notes / Discussion about this Product / Stack's capabilities: