

**IPv6 Readiness Tracking Template**

**v1.2**

**1/14/2011**

Note: This is a read-only version of the .xlsx file. The original, editable version of the .xlsx file is available [http://www.ntia.doc.gov/advisory/IPv6/IPv6\\_Readiness\\_Template\\_v1\\_2.xlsx](http://www.ntia.doc.gov/advisory/IPv6/IPv6_Readiness_Template_v1_2.xlsx)

Company Name: [Internet, Inc.]  
Process Owner: [Bob Smith]  
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Business Area Covered By Template: [Internal (office) IT]  
[Factory Floor/Industrial IT]  
[External-facing Network Connections]  
[Internet-dependent Business Activities]  
[Services]  
[other]

**NOTE:**

*Depending on the business area that is undergoing a readiness assessment, irrelevant line items on subsequent sheets can be deleted or marked N/A, and new line items can be added. Please see the accompanying supporting document for additional information on the role of this template in assisting the management of an enterprise to understand the state of an enterprise's IPv6 readiness.*

**Assessing the Company's State of Readiness**

<b>Status</b>	
Not yet started or behind schedule	
In Process	
Completed or expected to be completed on/ahead of schedule	

CATEGORY	STATUS	OWNER	ORIGINAL EXPECTED COMPLETION DATE	CURRENT EXPECTED COMPLETION DATE	PHASE	COMMENTS
<p>Technical staff should survey and catalogue all aspects of systems that may be impacted by IPv6 deployment</p> <ul style="list-style-type: none"> <li>Internal/external IPv6 address space</li> <li>Corporate network support for IPv6</li> <li>Development or updating of policies for the use of IPv6 on corporate networks</li> <li>Internal/external IPv6 addressing schemes/plans</li> <li>Internal/external DNS servers (including DHCP servers)</li> <li>Authentication systems (such as Radius servers)</li> <li>Use of peering, transit, relays, or tunnels for external connectivity</li> <li>Management tools for network devices (routers, switches, etc.)</li> <li>Physical hardware of network devices (routers, switches, etc.)</li> <li>Service load balancers</li> <li>Corporate firewalls and VPN concentrators/clients</li> <li>Corporate storage systems</li> <li>Corporate video conferencing systems</li> <li>Corporate VoIP systems</li> <li>Corporate UPS systems</li> <li>Client OS deployments</li> <li>Server OS deployments</li> <li>Corporate applications</li> <li>CALEA Support (for carriers)</li> <li>Security policies and support in network devices &amp; servers</li> <li>Operations readiness including management systems, troubleshooting &amp; monitoring tools, testing tools</li> <li>Outsourced (SaaS) applications, including, but not limited to, CRM, HR/talent management, financials, etc.</li> <li>Associated broadband CPE, such as cable modems, DSL modems, and router/wireless access points</li> <li>General staff readiness (level of knowledge/expertise)</li> </ul> <p>Identify stakeholders within organization that need to participate in readiness assessment</p> <p><i>Purchasing</i></p> <ul style="list-style-type: none"> <li>Ensuring that all new network service providers the company contracts with provide documented support for IPv6</li> <li>Ensuring that all new network hardware vendors provide documented support for IPv6</li> <li>Ensuring that all new application platform vendors provide documented support for IPv6</li> <li>Ensuring that all new software/SaaS/application vendors provide documented support for IPv6</li> <li>Ensuring the all new vendors/providers be able to provide QA results for IPv6 support, as required/necessary</li> </ul> <p><i>Internal application developers</i></p> <ul style="list-style-type: none"> <li>Identify embedded/hard-coded reliance on IPv4 connectivity and IPv4 addresses</li> <li>Identify latency-sensitive or port-intensive applications that would be impacted by NAT implementation outside the company's control</li> <li>Ensure appropriate handling of IPv6 addresses within logging, access control, and other relevant subsystems</li> </ul> <p><i>Corporate Services</i></p> <ul style="list-style-type: none"> <li>Identification of IP-connected embedded devices or systems (microcontrollers, HVAC, etc.) not under the control or management of the technical staff/IT team</li> </ul> <p><i>Web Site/Content Managers</i></p> <ul style="list-style-type: none"> <li>Documented support for IPv6 by Web hosting provider, if relevant</li> <li>IPv6 support within underlying Web Server OS</li> <li>IPv6 support within Web Server software</li> <li>Can log analysis software handle IPv6 addresses?</li> <li>Can 3rd party analytics vendor(s) handle IPv6 addresses?</li> <li>Identify any content on the site (3rd party advertising, store locators, custom offers, weather, etc.) that relies on geolocation of IPv4 addresses</li> <li>Identify any reliance on IPv4-based whitelists/blacklists</li> <li>Identify any content that has hard-coded IPv4 addresses</li> <li>Documented support for IPv6 by CDN provider, if relevant</li> </ul> <p><i>Sales</i></p> <ul style="list-style-type: none"> <li>Identification, documentation, and escalation of IPv6 requirements from customers, as relevant</li> </ul> <p><i>Product Management</i></p> <ul style="list-style-type: none"> <li>Development of internal and externally-facing plans and timelines for the support of IPv6 within relevant products and services</li> <li>Ensure that all software/hardware (as relevant) supports IPv6 at parity with IPv4, or is ready to</li> <li>Document relevant performance metrics</li> </ul> <p><i>Customer Service/Care</i></p> <ul style="list-style-type: none"> <li>Identify requirements for documentation, troubleshooting processes &amp; tools, escalation paths, etc. related to IPv6 support</li> </ul>						

**Costs to Address IPv6-related Issues**

Status	
	Not yet started or behind schedule
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	Completed or expected to be completed on/ahead of schedule

CATEGORY	STATUS	OWNER	ORIGINAL EXPECTED COMPLETION DATE	CURRENT EXPECTED COMPLETION DATE	PHASE	COMMENTS
Time & Effort/Resource requirements for Comprehensive Survey Development Roadmap & Timeline Development Process & Policy Development Development effort for product/application/service, as relevant Testing Training Ongoing Measurement & Monitoring [other]						
Personnel FTE costs associated with Hardware Testing Software Testing Upgrades Monitoring Vendor Negotiations Application Development/Re-Development Leadership of Readiness Efforts						
Hard [currency] costs associated with Equipment Testing Service Testing Development Required Upgrades & Enhancements Training & Education Salaries						

**Remaining Exposure Costs for IPv4 Runout**

CATEGORY	STATUS	OWNER	ORIGINAL EXPECTED COMPLETION DATE	CURRENT EXPECTED COMPLETION DATE	PHASE	COMMENTS
Identify date of impact of IPv4 exhaustion When will company exhaust last IPv4 address space that they were allocated?						
Quantify costs to obtain additional needed IPv4 address space after exhaustion Quantify how many additional IPv4 addresses will be needed Ascertain availability of needed address space Identify supplier of needed address space Identify per-address cost (or range)						

**Risks of Company's IPv6-Related Issues**

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CATEGORY	STATUS	OWNER	ORIGINAL EXPECTED COMPLETION DATE	CURRENT EXPECTED COMPLETION DATE	PHASE	COMMENTS
Identify vendor/suppliers with a material relationship, and determine if their lack of timely IPv6 support impacts your company's Business Results of Operation Financial Condition (NOTE: the USGv6 Test Program template ( <a href="http://w3.antd.nist.gov/usgv6/sdoc.html">http://w3.antd.nist.gov/usgv6/sdoc.html</a> ) can provide a model for ensuring that suppliers/vendors conform to IPv6 support requirements.)						
Identify material/significant customers for whom insufficient IPv6 support by the company could cause material loss of business for the company.						
Identify potential third party liability that may arise from insufficient IPv6 support within the company's systems.						
Identify which IPv6-related risks may be of sufficient importance to investors that they need to be exposed within the company's SEC filings.						

**IPv6 Contingency Plans**

Status	
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CATEGORY	STATUS	OWNER	ORIGINAL EXPECTED COMPLETION DATE	CURRENT EXPECTED COMPLETION DATE	PHASE	COMMENTS
Identify & Document Most Reasonably Likely Conflict Scenarios						
Identify Costs Associated With Conflict Scenarios						

**IPv6 Readiness Exposure**

CATEGORY	STATUS	OWNER	ORIGINAL EXPECTED COMPLETION DATE	CURRENT EXPECTED COMPLETION DATE	PHASE	COMMENTS
Identify Business Exposure Related to Lack of IPv6 or NAT Plans						
Answer question of "What will the company do if it is not ready..." ...to deal with IPv4 exhaustion ...to support IPv6?						