DOE IPv6 Implementation Taskforce

Meeting Notes

January 25, 2011

**Next Steps**

1. Provide additional comments on OMB draft data call spreadsheet, “Transition Manager” tab (*Taskforce Members*)
2. Review CIO Council Roadmap for background information (*Taskforce Members*)
3. Develop a draft DOE IPv6 transition scope statement for the FY12 milestone (*IPv6* *Transition Lead*)
4. Develop a draft break out of activities supporting the high level milestones for review by the taskforce (*IPv6 Transition Lead*)

**Agenda & Comments**

1. Scope clarification for FY12 OMB requirement
   1. “Public Facing Servers/Services” should be clarified to exclude collaborative space and/or publically available services not intended for the general public
      1. For example, super computing environments are considered out of scope
   2. Secondary service providers, such as those solely utilized for COOP/Disaster Recovery/Fault Tolerance, should be addressed in the overall transition scope; however, they should not necessarily be required for the 2012 deadline
   3. One potential approach to defining scope is via classes of services (e.g. web services, mail services, DNS services), protocols (e.g. SMTP, DNS, HTTP, FTP, NTP), and/or via port (e.g. 80 & 443 for web traffic, 21 & 23 for FTP, etc).
2. Review of scope and schedule for high level milestones
   1. Review NIST tool and determine whether DOE should leverage to track implementation progress
   2. Recognize that the labs will use a different approach to acquiring IPv6 addresses
   3. Add cyber security monitoring and forensics
   4. A draft break out of activities supporting the high level milestones is being developed and will be provided for discussion at the working session on 2/8
3. Comments on Draft OMB Data Call:
   1. Rename “Primary Services” to “Public Facing Services”
   2. Suggest providing information on classes of services instead of enumerating each one, an evaluation tool such as the NIST tool can be used to enumerate details if needed
   3. For the “Internal Client Apps” tab, suggest focusing on FY12 and including a row stating FY14 is not yet defined but part of the planning activity
4. IMC IPv6 Presentation Suggestions
   1. Provide a high level understanding of implementing IPv6 in parallel with maintaining IPv4
   2. Cyber security
   3. Best practices and lessons learned
5. Other discussion items and/or questions
   1. World IPv6 Day - Several popular Web sites have agreed to participate in the first global-scale trial of IPv6. The trial, dubbed "World IPv6 Day", requires participants to support native IPv6 traffic on their main Web sites on June 8, 2011. Leading content delivery networks Akamai and Limelight Networks also committed to the IPv6 trial, which is being sponsored by the Internet Society.

<http://www.networkworld.com/news/2011/011211-world-ipv6-day.html>

* 1. If issues arise with Vendor support, those Vendors should be specifically identified to the Federal task force.
  2. Regarding DNSSec, will delegated domains be considered in scope?
  3. Will a testing environment be provided or facilitated by OMB, DOE, or is each organization responsible for their own?