



## INFORMATION SECURITY & INFRASTRUCTURE PEER GROUP MEETING

### IPv4 to IPv6 Transition

October 2010

The goal of this meeting was to examine the impact on member companies of the imminent transition from IPv4 to IPv6. Jim Leinweber, IS Computer Services Specialist for the Wisconsin Laboratory of Hygiene, UW-Madison, gave a very thorough presentation about IPv6 basics, tunnels, platform specifics, pain points, and transition.

[Full meeting resources \(member companies only\)](#)

*Key Takeaways are culled from attendees' comments communicated during discussion periods and on paper.*

#### Attendees' Key Takeaways

- √ **"This transition will be expensive and challenging, but waiting will only make it harder."** The supply of familiar IPv4 will be exhausted in 2012, and there are already parts of the Internet that use the successor version IPv6 addresses only. The transition is inevitable; those who begin now will have the advantage.
- √ **"Internet facing hosts will have to support both IPv4 and IPv6 by 2012 to be available to all users."** As a result, your ISP should be working on IPv6 support now. We recommend communicating with them now to ask when they will be ready.
- √ **"It's time to start educating the executives."** Communicating the necessity and immanency of this transition to top leadership is a must in order to act quickly and thoroughly. Helpful materials are available from the American Registry of Internet Numbers (ARIN).
- √ **"Your network infrastructure team needs to learn about and plan for IPv6."** Request an IPv6 address allocation, plan your IPv6 addressing scheme, set up a test bed laboratory, and update your technology roadmap to include IPv6 support in 2011.