May 20, 2009

MEMORANDUM FOR AGENCY CHIEF INFORMATION OFFICERS AND CHIEF
ARCHITECTS

FROM: Kshemendra Paul
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SUBJECT: Release of the Planning Guide/Roadmap toward IPv6 Adoption within
                  the US Government

On behalf of the Federal CIO Council, OMB is pleased to announce the release of the "Planning
Guide/Roadmap toward IPv6 Adoption within the US Government". This document defines the
Federal Government's Internet Protocol version (IPv6) direction, building upon requirements set
forth in OMB Memorandum 05-22. It was developed by the CIO Council's IPv6 Working
Group, in partnership with the American Council on Technology / Industry Advisory Committee,
in consultation with and review by the Federal CIO community.

The IPv6 direction described in the document, and specified in the Federal Enterprise
Architecture Assessment Framework version 3.0, involves the deployment of secure, end-to-end,
IPv6-enabled network services which support Federal Agency core missions and applications.

The benefits offered by IPv6 include:
- Integrated interoperability and mobility
- Improved security features
- Unconstrained address abundance
- Opportunities for innovation, collaboration, and transparency

Therefore, it is recommended that Agencies:
- Use their enterprise architecture and capital planning activities to plan for the deployment
  of IPv6-enabled network services; show how they intend to use these services to power
  IPv6-enabled applications; commit to specific measureable improvements in agency
  performance; and reflect the same in their investment proposals.
- Leverage the guidance and common milestones provided in this document to develop an
  effective Transition Plan.
- Set up test laboratories and/or prototype networks to acquire IPv6 experience and
  expertise.
- Deploy secure IPv6-enabled network services, as appropriate, during regular technology
  upgrade cycles.

If you have additional questions regarding, please contact us by sending an e-mail to
fea@omb.eop.gov or call (202) 395-0379.

Attachment