



IPv6 Implementation at the US Naval War College

TO: *NAVWARCOL*
FROM: **Joseph F. Pangborn, CISSP; CIO**

SUBJECT: *NAVWARCOL* Complete Transition to Internet Protocol version 6 (IPv6)

In accordance with Office of Management and Budget (OMB) Memorandum 21-07 (M-21-07), dated November 19, 2020, by Fiscal Year (FY) 2023, all new NAVWARCOL IRD information systems must be IPv6-enabled at the time of deployment. It is also the strategic intent of NAVWARCOL IRD to phase out the use of IPv4 for all current NAVWARCOL IRD systems as soon as practical by meeting the milestones laid out by M-21-07, to include at least 80% of IP-enabled assets on NAVWARCOL IRD networks operating in IPv6-only environments by the end of FY 2025.

This memorandum designates the Networking Division Branch Head as the lead of NAVWARCOL IRD's IPv6 Integrated Project Team (IPT) to coordinate these actions. The IPT is responsible for developing and overseeing the overall IPv6 transition plan which shall be inclusive of strategies, acquisitions, processes, status, and milestones. Additionally, system owners shall ensure system documentation details plans for transitioning to IPv6 and that these plans align with the Agency's overall IPv6 Implementation Plan.

In support of this mandate, designated key stakeholders identified within the IPT must:

- Provide strategies, processes, status, and milestones for inclusion in the Agency's overall IPv6 implementation plan;
- Collaborate with agency NAVWARCOL IRD to identify opportunities for IPv6 pilots on operational systems and nominate them to the IPT;
- Oversee implementation of the Agency's IPv6 implementation plan;
- Work with NAVWARCOL EAO to ensure that processes for approving new systems for operation, or upgrading existing systems, include a review of the system's IPv6 readiness to ensure consistency with the Agency's overall IPv6 Implementation Plan;
- Work with NAVWARCOL IRD Business Operations Division to ensure processes are in place requiring all new agency acquisitions are capable of operating in an IPv6-only environment by the milestones established in the Agency's implementation plan.

For questions regarding this memorandum, please contact Mr. Whitney Younie, at whitney.younie@usnwc.edu.

References: [OMB Memorandum M-21-07](#)



INSTRUCTIONS FOR AGENCIES (Delete this page before finalizing Policy):

This template is intended to guide agencies in the development of IPv6-specific policy in accordance with [OMB Memorandum M-21-07: Completing the Transition to Internet Protocol Version 6 \(IPv6\)](#).

Instructions for Agencies:

1. Replace all italicized text with your relevant information
2. Change all text to normal text (no italics)
3. For bullet #2, please insert the appropriate choice of bureau, component, or organization that fits your agency's nomenclature
4. For bullets #4 and #5, please insert the assigned lead office name
5. For the "agency/department-specific actions section" – some agencies have chosen to add additional department or agency-specific actions for staff. It is recommended, but not required by the policy, to add agency-specific action items in your agency's policy. To get you started, some sample ideas are included below. Please customize or reuse as needed:
 - *Designate a Component representative(s) to serve on the Department's IPT*
 - *Provide the IPT with Component strategies, processes, status, and milestones for inclusion in the Department's overall IPv6 transition plan.*
 - *Identify opportunities for IPv6 pilots on operational systems and nominate them to the IPT.*
 - *Oversee implementation of the Department's IPv6 transition plan, as developed, at their Component.*
 - *Ensure all new acquisitions will be capable of operating in an IPv6-only environment by the milestones established in the Department's transition plan.*
6. If not using the optional language section, please delete all bullet placeholders from the policy