



MEMORANDUM

FROM: Dorothy Aronson, CIO
DATE: May 12, 2021

SUBJECT: National Science Foundation 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 National Science Foundation (NSF) information systems must be IPv6-enabled at the time of deployment. It is also the strategic intent of NSF to phase out the use of IPv4 for all current agency 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 NSF networks operating in IPv6-only environments by the end of FY 2025.

This memorandum designates Ed Lubniewski as the lead of NSF'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, NSF 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, Ed Lubniewski, the IPv6 lead will:

- Provide the IPT with strategies, processes, status, and milestones for inclusion in the NSF's overall IPv6 transition plan.
- Identify opportunities for IPv6 pilots on operational systems and nominate them to the IPT.
- Oversee implementation of the NSF's IPv6 transition plan, as developed.
- Coordinate with the Division of Acquisition and Cooperative Support (DACCS) as needed to ensure all new acquisitions will be capable of operating in an IPv6-only environment by the milestones established in the NSF's transition plan.

For questions regarding this memorandum, please contact Dorothy Aronson at daronson@nsf.gov.

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