



Federal Aviation Administration

Memorandum

Date: May 10, 2021

To: Kristen Baldwin, Chief Information Officer, Deputy Assistant Administrator for Information & Technology, AIT-1

From: Susan Lake, Director of Infrastructure and Operations, AIF-1

Subject: FAA Internet Protocol Version 6 (IPv6) and Internet Protocol Version 4 (IPv4) Policy and Strategy

Overview:

This memorandum provides an FAA policy and strategy update regarding transport protocols IPv6 and IPv4. Specifically, this memorandum will meet Step 2 of the directives identified in the Office of Management and Budget (OMB) Memorandum M-21-07, dated November 19, 2020, with the subject: "Completing the Transition to Internet Protocol Version 6 (IPv6)", which states:

2. Issue and make available on the agency's publicly accessible website, an agency-wide IPv6 policy, within 180 days of issuance of this memorandum. The agency-wide IPv6 policy must require that, no later than Fiscal Year (FY) 2023, all new networked Federal information systems are IPv6-enabled⁷ at the time of deployment, and state the agency's strategic intent to phase out the use of IPv4 for all systems;

IPv6:

All new networked systems owned or managed by the FAA must be IPv6 enabled at time of deployment. IPv6 enablement applies to all systems newly deployed as of September 30, 2023.

IPv4:

The FAA will phase out the use of IPv4, beginning with systems and environments that fully support IPv6 and are fully supported by IPv6 infrastructure across interdependent hardware and software. IPv4 in legacy systems and infrastructure will be identified for deactivation, replacement or retirement as determined by IPv6 activation planning, readiness and execution.

Public Notice:

The FAA will post the IPv6 enablement and IPv4 phase out policy on a public website by May 18, 2021.

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INITIALS/SIG Kevin Gerard O'Connor Digitally signed by Kevin Gerard O'Connor Date: 2021.05.11 09:42:45 -0500
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INITIALS/SIG AMY J. GUSKY Digitally signed by AMY J. GUSKY Date: 2021.05.14 07:12:40 -0400
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INITIALS/SIG MARK J DENICUOLO Digitally signed by MARK J DENICUOLO Date: 2021.05.14 11:05:01 -0400
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Concurrence:

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LAKE

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Susan Lake, Director of Infrastructure and Operations, AIF-1

Concurrence:

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Sean McIntyre
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Sean McIntyre, Director of Solutions Delivery, ADE-1

Concurrence:

✕ *Larry Grossman*

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LAURENCE H GROSSMAN
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Larry Grossman, Director of Information Security & Privacy, AIS-1

Concurrence:

✕ ADRIENNE M
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Michelle Coppedge, Director of Aeronautical Center, AMC-1

Concurrence:

✕ MARK J
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Mark Denicuolo, Vice President Program Management Organization, AJM-0

Concurrence:

✕ JEFFREY E
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Jeffrey Planty, Vice President Technical Operations, AJW-0

Approval:

✕ KRISTEN K.
BALDWIN

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KRISTEN K. BALDWIN
Date: 2021.05.14
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Kristen Baldwin, Chief Information Officer, Deputy Assistant Administrator for Information & Technology, AIT-1

Attachments:

OMB M-21-07.pdf





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Concurrence:

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LAKE

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SUSAN B LAKE
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Susan Lake, Director of Infrastructure and Operations, AIF-1

Concurrence:

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Sean McIntyre
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Sean McIntyre, Director of Solutions Delivery, ADE-1

Concurrence:

× Larry Grossman

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LAURENCE H GROSSMAN
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Larry Grossman, Director of Information Security & Privacy, AIS-1

Concurrence:

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Michelle Coppedge, Director of Aeronautical Center, AMC-1

Concurrence:

× MARK J
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Mark Denicuolo, Vice President Program Management Organization, AJM-0

Concurrence:

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JEFFREY E MC COY
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Jeffrey Planty, Vice President Technical Operations, AJW-0

Approval:

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BALDWIN

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KRISTEN K. BALDWIN
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Kristen Baldwin, Chief Information Officer, Deputy Assistant Administrator for Information & Technology, AIT-1

Attachments:

OMB M-21-07.pdf