| CHANGE | U.S. DEPARTMENT OF TRANSPORTATION | JO 1370.117 |
| | FEDERAL AVIATION ADMINISTRATION | CHG 1 |

| | Effective Date: |
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| Air Traffic Organization Policy | 4/25/2016 |

**SUBJ:** National Airspace System (NAS) Internet Protocol (IP) Addressing Policy

**1.** **Purpose.** The purpose of this order is to formalize the management and assignment of National Airspace System (NAS) Internet Protocol (IP) Addresses for all device connections within the protected domain of the NAS.

**2.** **Who this change affects.** This change affects all NAS systems that use the Internet Protocol (IP) for communications and provides clarification concerning the application of the policy for the implementation of IP addressing.

**3.** **Disposition of Transmittal Paragraph.** After filing the revised section, this change transmittal should be retained.

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## 5. Policy.

### a. NAS Device Intra-Facility, Inter-facility Telecommunications and WAN IP Communications within the NAS Domain.

(1) Information System Owners (ISO) must use approved NAS IP addresses from the FAA pool as assigned by the CINP Group (includes public, private, and multicast IP addresses). This applies to all system devices that exist within the NAS Domain and communicate via IP over any NAS Infrastructure Local or Wide Area Network (LAN or WAN). Back end system components connected to NAS IP access devices must also comply with the order unless they are isolated via approved security control mechanisms. Isolation control mechanisms must be reviewed via the Enterprise Engineering Services (EES) Architecture Review Board (ARB) and approved by the Authorizing Official Designated Representative (AODR).

(2) ISOs for all existing NAS systems that contain devices that exist within the NAS Domain and currently use IP addresses that do not conform to this order, must migrate their system(s) to the approved IP addresses from the FAA pool as assigned by the CINP Group within one (1) year of the signature date on this order. NAS systems that do not comply with this order will have a Plan of Action and Milestones (POA&M) generated as part of their System Authorization package.

### b. NAS Device IP Connectivity to Non-NAS Networks and Non-NAS Systems.

(1) For NAS Domain devices with IP connections to non-NAS Networks or non-NAS systems, ISOs must utilize approved internal and external NAS IP addresses from the FAA pool as assigned by the CINP Group (includes public, private, and multicast IP addresses).

(2) For NAS Domain devices with IP connections to non-NAS Networks or non-NAS Systems that do not conform to 5.b.(1), ISOs must migrate their device(s) to approved internal and external NAS IP addresses from the FAA pool as assigned by the CINP Group within one (1) year of the signature date on this order. ISOs must document via a POA&M how they will migrate their system to comply with this order. Systems that are not able to comply with this order within one (1) year must have an AODR-approved migration plan within one year of the signature date on this order.

### c. NAS Systems with Devices Outside of the NAS Domain.

(1) ISOs for all NAS systems with devices that reside outside of the NAS Domain, such as the Mission Support Domain, must clearly identify those devices in the System Characterization Document (SCD) of the System Authorization/Annual Assessment Package. The SCD must include, at a minimum, the following information for each device:

(a) Device Locations(s);

(b) IP Address (if Static) or Subnet Dynamic Host Configuration Protocol at each location; and

(c) Statement indicating which FAA organization manages their IP addresses.