National Aeronautics and
Space Administration
Washington, DC 20546

Procurement Notice

PN 16-10
May 11, 2016

**Revision of NFS 1811.002 and 1811.101-70
ENSURING INTERNET PROTOCOL VERSION 6 (IPv6) COMPLIANCE IN
ACQUIRING INFORMATION TECHNOLOGY
(NFS Case 2015-N007)**

PURPOSE: To revise NASA Federal Acquisition Regulation (FAR) Supplement (NFS) to issue Agency policy and prescribe procedures pertaining to the Internet Protocol Version 6 (IPv6) implementation requirements contained in FAR11.002. In addition, this PN revises NFS 1811.002 concerning the Implementation of the Metric Conversion Act of 1975.

BACKGROUND: On December 10, 2009, the FAR was updated to require that all new information technology (IT) acquisitions using Internet Protocol must be IPv6 compliant. IPv6 is the most recent version of the Internet Protocol that provides an identification and location system for computers on networks and routes traffic across the Internet. Federal agencies now are required to ensure IPv6 compliance when procuring networked IT products. On September 28, 2010, the Office of Management and Budget (OMB) issued a memorandum detailing the Federal government's commitment to the operational deployment and use of IPv6, and providing guidance to ensure agency procurements comply with FAR requirements. On March 21, 2016, the NASA CIO and the Assistant Administrator for Procurement issued a policy memorandum titled *Policies to Ensure IPv6 Compliance for Information Technology (IT) Purchases*, with information on the procedures used at NASA to comply with the IPv6 requirement.

The NASA Office of the Chief Engineer cancelled NASA Policy Directive (NPD) 8010.2, Use of the Metric System of Measurements in NASA Programs, and incorporated these requirements into NPD 7120.4, NASA Engineering and Program/Project Management Policy. NFS 1811.002 was revised to reflect this change.

ACQUISITIONS AFFECTED BY CHANGES: This revised policy is applicable to all new acquisitions to acquire information technology using Internet Protocol.

ACTION REQUIRED BY CONTRACTING OFFICERS: Contracting officers shall include the IPv6 requirements statement in all solicitations that use Internet Protocol as

indicated in the NASA Form (NF) 1707, Special Approvals and Affirmations for Requisitions. A sample IPv6 requirements statement has been added to CMM/PRISM and its associated templates:

Requirements Statement in CMM/PRISM Section C:
The Contractor shall ensure that products and services that use the Internet Protocol provide full feature functionality in both dual stack (IPv4 and IPv6) and IPv6-only environments in compliance with NIST USGv6 Testing Program, see Special Publication 500-267, A Profile for IPv6 in the U.S. Government – Version 1.0 The Contractor must notify the Contracting Officer of all contract specifications that do not comply with providing full feature functionality for IPv6 and act in accordance with the instructions of the Contracting Officer.

CLAUSE CHANGES: None.

PART AFFECTED: Part 1811

TYPE OF RULE AND PUBLICATION DATE: This change is effective on date of publication and is not based on a newly enacted statute or is it creating a new provision or clause. This PN adds non-regulatory text to the NFS that it is consistent with the FAR and OMB guidance. Accordingly, these changes do not have a significant effect beyond the internal operating procedures of NASA and do not have a significant cost or administrative impact on contractors or offerors, and therefore do not require codification in the Code of Federal Regulations (CFR) or publication for public comment.

ADDITIONAL INFORMATION: For more information on IPv6 on these procurement processes please see the NASA internal IPv6 website: http://inside.nasa.gov/ocio/content/nasa-ipv6. Specifically, there is a NASA IPv6 Compliance Users Guide that will provide information to help explain and expedite these processes.

HEADQUARTERS CONTACTS: For procurement issues: Diane Thompson, Analysis Division, (202) 358-0514, e-mail: diane.thompson@nasa.gov. For technical issues: Kevin Jones, NASA IPv6 Transition Manager (650) 604-2006, e-mail: kevin.l.jones@nasa.gov.

/s/
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Enclosure

PART 1811
DESCRIBING AGENCY NEEDS

1811.002 Policy.

   (b) Implementation of the Metric Conversion Act of 1975, as amended, must be in accordance with NPD ~~8010.2~~**[7120.4],** ~~Use of the Metric System of Measurements in NASA Programs~~ **[NASA Engineering and Program/Project Management Policy]**.

   [(g)(1) When acquiring information technology items capable of using Internet Protocol to communicate, the requirement for Internet Protocol Version Six (IPv6) compliance shall be documented by the requiring activity on NASA Form (NF) 1707, Special Approvals and Affirmations for Requisitions. If the requiring activity plans to purchase a networked IT product, the following three attachments shall accompany the NF 1707:
   (i) Specification of IPv6 requirements for the item to be purchased.
   (ii) Suppliers Declaration of Conformity (SDoC), a legal document that specifies and certifies the product's IPv6 capabilities.
   (iii) Analysis between the requirements and the IPv6 requirements and the product's capabilities as captured on an SDoC.
   (2) Requestors shall provide the IPv6 Compliance Procurement Waiver (NF 1835) for any items that have no IPv6 capabilities. For purchases that are less than $100K, signature approval authority for NF 1835 has been delegated to Center CIOs. Purchases of $100K or greater for items that have no IPv6 capabilities will require Agency CIO approval.]

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Subpart 1811.1—Selecting and Developing Requirements Documents

1811.101 Order of precedence for requirements documents.

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[1811.101-70 Procedures.

   (a) Contracting officers may rely on the requiring activity's declaration on the NF 1707 to determine the applicability of IPv6 requirements to its acquisition. When the NF 1707 and the requirements documents provided by the requiring activity establish the applicability of IPv6 in accordance with [FAR 11.002](), the contracting officer shall—
   (1) Include a contract requirements statement in solicitations that specifically states that products and services that use the Internet Protocol provide full feature functionality in both dual stack (IPv4 and IPv6) and IPv6-only environments in compliance with the NIST USGv6 Testing Program. See [Special Publication 500-267, A Profile for IPv6 in the U.S. Government – Version 1.0](). The IPv6 requirements statement shall be substantially the same as the statement provided in NASA's contracting writing system Section C templates; and

(2) **Include instructions in solicitations that require offerors to notify the contracting officer of any contract specifications that do not comply with providing full feature functionality for IPv6.]**

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