



DEPARTMENT OF THE NAVY

REGIONAL CONTRACTING DEPARTMENT
 NAVSUP FLEET LOGISTICS CENTER PUGET SOUND
 467 W STREET
 BREMERTON, WASHINGTON 98314-5120

CONTROL NUMBER 2011-53

N00406-11-T-0794

**JUSTIFICATION AND APPROVAL
 FOR SOLE SOURCE PROCUREMENT
 Under Commercial Item Test Program FAR 13.5**

1. **Contracting Activity.**

NAVSUP Fleet Logistics Center Puget Sound (FLCPS)

2. **Description of Action Being Approved.**

Award of a firm, fixed price, commercial supply type contract on a sole source basis for various Juniper Network switches, modules, and Juniper Care Support in support of Commander Navy Region Northwest (CNRNW) from Juniper Networks, Inc.

3. **Description of Supplies/Services.**

This requirement is a network infrastructure upgrade that utilizes Juniper Network hardware. The switches and modules that are to be ordered are only manufactured by Juniper and are to be placed inside existing and new Juniper switches. The supplies listed below will be procured using O&MN funds with a 60 day required delivery date after receipt of the order.

ITEM	DESCRIPTION	QUANTITY
1	CTP150 Circuit to Packet Switch, AC Powered base system includes CTPOS, 2 Ethernet interfaces, 1 console interface	33
2	4G Compact Flash with CTPOS (for CTP150)	33
3	4-port T1/E1 module with 4 RJ48 interfaces and one clock input interface (for CTP150)	48
4	EX4200 Network Switch, Trade Agreement Act-compliant 24-port 100BASE-FX/1000BASE-X SFP + 320 W AC PSU. Includes 50cm Virtual Chassis cable.	6
5	EX4200 Network Switch, Trade Agreement Act-compliant 24-port 10/100/1000BASE-T (8 PoE ports) + 320 W AC PSU. Includes 50cm Virtual Chassis cable.	34
6	4-port GbE SFP Uplink Module (for EX4200)	38
7	Module, Small Form Pluggable, 1000BASE-LX; LC connector; 1310nm; 10km reach on single-mode fiber (for EX4200)	79

Source Selection Information - See FAR 2.101 and 3.104

8	Module, Small Form Pluggable, 1000BASE-SX; LC connector; 850nm; 550m reach on multimode fiber (for EX4200)	16
9	Module, Small Form Pluggable, 10/100/1000BASE-T copper; 100m reach on UTP (for EX4200)	13
10	Module, 2-port OC-3/STM-1 ATM2 IQ PIC, multimode (For Juniper M7i)	1
11	Module, 2-port OC-3/STM-1 ATM2 IQ PIC, single mode, intermediate reach (For Juniper M7i)	2
12	Module, 2-port OC-3/STM-1 PIC. Requires OC-3 SFP pluggable optics. (For Juniper M7i)	4
13	Module, 4-port DS3/E3 (For Juniper M7i)	2
14	Module, 4-port Gigabit Ethernet Enhanced IQ2 (IQ2E) PIC with SFP (For Juniper M7i)	1
15	Module, Small form-factor pluggable 1000BASE-LX Gigabit Ethernet Optic Module (For Juniper M7i)	1
16	Module, Small form-factor pluggable OC-3 Optic Module, Short Reach (For Juniper M7i)	10
17	Support, Juniper Care, Next Day, (For CTP150)	1 yr
18	Support, Juniper Care, Next Day, (For EX4200)	1 yr

The total estimate for these supplies is (b) (5)

4. Statutory Authority Permitting Sole Source.

Section 4202 of the Clinger-Cohen Act of 1996 - a sole source acquisition under the authority of the test program for certain commercial items, as implemented by FAR 13.501(a).

5. Rationale Justifying Use of Cited Statutory Authority.

The Navy's PacNorthwest Information Grid (PIG) network is running on equipment that's technology is fast becoming obsolete and the equipment currently in place is no longer in production and can no longer be purchased. As a result, CNRNW N6 sought out a replacement technology that would continue to meet the service requirements that they currently must meet for their customers and be modern enough to have a reasonable service life. The technology that best supports these requirements utilizes a communications technique known as Multiprotocol Label Switching (MPLS). MPLS allows a variety of communications protocols to be transported over Ethernet. Ethernet remains a solid means of transporting data and is the most widely used transfer method. MPLS provides a means of passing older transport methods, such as serial time-division multiplexing (TDM) and Asynchronous Transfer Mode (ATM), by means of encapsulating the legacy transport method within an Ethernet packet.

The PIG network uses ATM as the core transport method and supports CNRNW's many customers with serial TDM connections. There are several hundred circuits within the PIG structure, many of which use TDM to connect end-use customers. There are limited commercial solutions to sustain this capability and each solution uses a proprietary operating system (OS) that is not fully interoperable with the other solutions.

Contract No. N00406-10-P-B883 was awarded in 2010 to analyze CNRNW's current network design, advise on an appropriate replacement technology, and provide proof of concept in meeting the design requirements. CNIC determined that many network services were to be transported over PSNET and the PIG network would need to be interoperable with PSNET. In the Northwest region, CNRNW is aware that PSNET uses MPLS as the transport design core and Juniper Networks brand technology provides the MPLS capabilities.

The switches and modules that are to be ordered are to be placed inside existing and new Juniper switches and must work seamlessly with the existing network infrastructure including network management software. These connected systems will be critical components of CNRNW's Puget Sound information network and extension of Commander Naval Installation Command's (CNIC) Public Safety Network (PSNET).

The Juniper support, software patches, and replacement parts are proprietary and are only available from Juniper. No other vendor can provide these. To support interoperability, CNRNW must purchase equipment compatible with that deployed by PSNET. The requested Juniper Networks equipment happens to be the only devices that will ensure backward compatibility for CNRNW (remaining components using ATM technology) and forward compatibility with PSNET (Ethernet technology).

"Juniper Care" is Juniper's support and maintenance service they offer for all their products. Juniper Care support is only available from Juniper.

Juniper Care Support provides CNRNW access to the Juniper Technical Assistance Center (JTAC) seven days a week, 24 hours a day. This support provides CNRNW access to Juniper Networks technical support engineers, software updates, online access to their knowledge base, online tools, and hardware replacement options. Most critical or important to CNRNW is access to new Software Releases and the Next Business Day Advanced replacement parts shipment. CNRNW is required by SECNAVIST 5230.15

"INFORMATION MANAGEMENT/INFORMATION TECHNOLOGY POLICY FOR

Source Selection Information - See FAR 2.101 and 3.104

FIELDING OF COMMERCIAL OFF THE SHELF SOFTWARE" to maintain their network software with the most current software. The firmware that these switches operate are considered COTS and CNRNW is required to patch as necessary as vulnerabilities are identified. These software/firmware updates are only available from the Juniper JTAC and only to registered users.

In addition, CNRNW's network accreditation requires them to follow DISA Security Technical Implementations Guides (STIGs). The backbone policy checklist requires "supported" devices. If these devices do not have current support from the Vendor (i.e. Juniper Care), then this becomes a CAT1 finding. This would then jeopardize CNRNW's entire accreditation. CAT1 findings are not allowed and cannot be mitigated.

The standard warranty for the requested items is 1 year. This includes hardware failure only and does not address any software updates beyond 90 days. Hardware replacement under standard warranty is within 20 days. This is not sufficient for their mission critical systems.

The Juniper "Next-Day Ship" provides CNRNW with the next business day advanced replacement support; as CNRNW is not able to purchase any hot-standby spares. If they have a component failure, then they will need the ability to have a replacement part in their hands the next day.

6. Description of Efforts Made to Solicit Offers from as Many Offerors as Practicable.

No additional market research was conducted because it is not practicable, for the reasons discussed in paragraph 5 above, for any company other than Juniper Networks to provide the required supplies and services.

7. Determination of Fair and Reasonable Cost.

The contracting officer has determined the anticipated cost to the Government of the supplies/services covered by this J&A will be fair and reasonable.

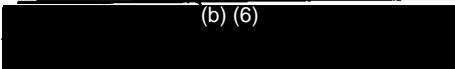
8. Actions to Remove Barriers to Future Competition.

For the reasons set forth in Paragraph 5, FLCPS has no plans at this time to compete future contracts for the types of supplies/services covered by this document. If another

potential source emerges, FLCPS will assess whether competition for future requirements is feasible.

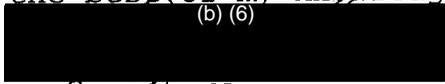
CERTIFICATIONS AND APPROVALS

CONTRACT SPECIALIST/NEGOTIATOR (NAVSUPINST 4200.83G)

	<u>Bret Ward</u>	<u>360-476-9068</u>	<u>11 July 2011</u>
Signature	Name (Printed)	Phone No.	Date

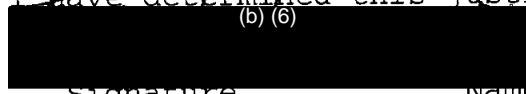
CONTRACTING OFFICER CERTIFICATION (FAR 6.303-2(a)(12) & 6.304(a)(1))

I certify that this justification is accurate and complete to the best of my knowledge and belief.

	<u>Danny Lewis</u>	<u>360-476-5373</u>	<u>7/11/11</u>
Signature	Name (Printed)	Phone No.	Date

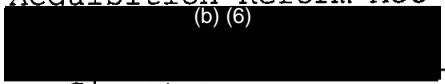
LEGAL SUFFICIENCY REVIEW (NMCARS 5206.303-90, NAVSUPINST 4200.83G & 5801.1)

I have determined this justification is legally sufficient.

			<u>8/2/11</u>
Signature	Name (Printed)	Phone No.	Date

APPROVAL REQUIRED BY FAR 13.501(a)(2)(i) thru (iv)

Upon the basis of the above justification, I hereby approve, the solicitation of the proposed procurement(s) described herein using other than full and open competition under the authority of the test program for commercial items (section 4202 of the Clinger-Cohen Act of 1996) or the authority of the Services Acquisition Reform Act of 2003 (41 U.S.C. 428a).

	<u>V.A. DASHIELL</u>	<u>360-476-7175</u>	<u>8/4/11</u>
Signature	Name (Printed)	Phone No.	Date

- FLCPS Contracting Officer (</>=\$650K)
- FLCPS Competition Advocate (>\$650K, </>=\$6.5M)

TECHNICAL / REQUIREMENTS CERTIFICATION (FAR 6.303-2(b))

I certify that the facts and representations under my cognizance which are included in this justification and its supporting acquisition planning documents, except as noted herein, are complete and accurate to the best of my knowledge and belief and do not contain classified information.

TECHNICAL COGNIZANCE

(b) (6)	<u>LARRY P BECKER</u>	<u>360-627-6232</u>	<u>8/3/11</u>
Signature	Name (Printed)	Phone No.	Date

REQUIREMENTS COGNIZANCE

(b) (6)	<u>Robert C Buchanan</u>	<u>360 627-6230</u>	<u>8/3/11</u>
Signature	Name (Printed)	Phone No.	Date

(Note that this page includes certification that the acquisition planning documents are complete and accurate.)

(If a single individual has cognizance over both technical and requirements information included in the J&A, the individual may sign both signature blocks.)