




JUSTIFICATION REVIEW DOCUMENT

CONTROL NUMBER: HQC007-12-64
PURCHASE REQUEST: HQCAA-2163-2100




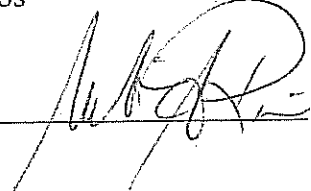
Description of Acquisition: This requirement is to purchase Brand Name, Oracle/Sun network hardware monitoring equipment and their maintenance support for DeCA's NetCool/CIC/Tivoli platform

Statutory Authority: 10 U.S.C. 2304(c)(1) as implemented by FAR 6.302-1(c). Application of brand name descriptions

Estimated Contract Amount:

Prepared by:	Jason Nuckols <u></u>	Contract Specialist Date: <u>08/20/2012</u>
Technical:	Harry Paek <u></u>	Program Manager Date: <u>8/21/2012</u>
BEIMG Rep:	Debbie Emory <u></u>	Lead IT Specialist Date: <u>8/21/2012</u>
PCO:	Rita W. Jackson <u><i>RWJ</i></u> Phone: (804) 734-8000 Ext: 48199	Contracting Officer Date: <u>Aug 21, 2012</u>

REVIEWS: We have reviewed this J&A and find the justification adequate to support other than full and open competition.

Program Manager:	Harry Paek	<u></u>	Date: <u>8/21/12</u>
Legal Counsel:	<u>Elliot L. Clark</u> (Printed Name)	<u></u>	Date: <u>21 Aug 2012</u>
Division Chief:	D. L. Wiggins	<u></u>	Date: <u>8/22/12</u>
Competition Advocate:	Melissa Rios	<u></u>	Date: <u>8/22/12</u>

DECA CONTROL NUMBER: HQC007-12-64

1. REQUIRING AGENCY AND CONTRACTING OFFICE:

Defense Commissary Agency (DeCA)
 1300 E Avenue
 Fort Lee, VA 23801-1800

Requiring Activity: Information Technology Directorate, Technology Enhancement Division, Telcom and Network Branch

Contracting Activity: Store Services Support Division, Information Technology Branch

2. NATURE/DESCRIPTION OF ACTION(S). This justification for other than a full and open competition will result in an award of a firm fixed price delivery order for brand name, Oracle/Sun network hardware monitoring equipment and their maintenance support in support of DeCA's NetCool/CIC/Tivoli platform.

3. DESCRIPTION OF SUPPLIES/SERVICES. This requirement is to purchase brand name Oracle/Sun network hardware monitoring equipment and their maintenance support in support of DeCA's NetCool/CIC/Tivoli platforms.

Base Period: September 28, 2012 through August 31, 2013

CLIN	Description	P/N	Qty	Type
0001	Oracle Sun Blade 6000 Modular System	12001028	1	New
0002	Oracle Sun Blade 6000 chassis with midplane, accessory kit with dongle and RJ45-DB9 adapter, 9 server module filler panels, 20 Express Module filler panels, and 2 Network Express Module filler panels (standard configuration)	A90-D	1	New
0003	Oracle Sun Blade 6000 GbE 10-port Pass-Thru Network Express Module, RoHS-5	X4250A-N	2	New
0004	Oracle pwr cord bundle, qty 4, AC input, 20A (AMER: L6-20P to IEC 320, 4m) for the Sun Blade 6000 or the Sun Blade 8000 P Modular System, RoHS-6	X5074A-Z-N	1	New
0005	Oracle SPARC T4-1B server: family	7100606	5	New
0006	Oracle SPARC T4-1B server: base with 1 SPARC T4 8-core processor 2.85GHz processor (for factory installation)	7100722	5	New
0007	Oracle Two 8 GB DDR3-1066 registered DIMMs (for factory installation)	7100653	20	New
0008	Oracle One 300 GB 10000 rpm 2.5-inch SAS-2 HDD with mounting bracket (for factory installation)	SE6Y3G12Z	10	New
0009	Oracle Sun Storage 6 Gb SAS REM HBA: 8 port (for factory installation)	SG-SAS6-REM-Z	5	New
0010	Oracle Sun Storage Tek Dual 8Gb FC Dual 1 GbE HBA in ExpressModule form factor, RoHS-6 compliant, Qlogic. factory configure	SG-PCIEFCGBE-Q8-N	5	New

0011	Oracle Solaris 11, Oracle VM Server for SPARC, and Oracle Electronic Prognostics preinstall (for factory installation)	7101664	5	New
0012	Oracle Standard System Installation Service, Site Audit: Servers - Group III (note: this is a one-time fee)	B61307	1	New
0013	Oracle Sun Blade 6000 Modular System	12001028	1	New
0014	Oracle Sun Blade 6000 chassis with midplane, accessory kit with dongle and RJ45-DB9 adapter, 9 server module filler panels, 20 Express Module filler panels, and 2 Network Express Module filler panels (standard configuration)	A90-D	1	New
0015	Oracle Sun Blade 6000 GbE 10-port Pass-Thru Network Express Module, RoHS-5	X4250A-N	2	New
0016	Oracle pwr cord bundle, qty 4, AC input, 20A (AMER: L6-20P to IEC 320, 4m) for the Sun Blade 6000 or the Sun Blade 8000 P Modular System, RoHS-6	X5074A-Z-N	1	New
0017	Oracle SPARC T4-1B server: family	7100606	3	New
0018	Oracle SPARC T4-1B server: base with 1 SPARC T4 8-core processor 2.85GHz processor (for factory installation)	7100722	3	New
0019	Oracle Two 8 GB DDR3-1066 registered DIMMs (for factory installation)	7100653	12	New
0020	Oracle One 300 GB 10000 rpm 2.5-inch SAS-2 HDD with mounting bracket (for factory installation)	SE6Y3G12Z	6	New
0021	Oracle Sun Storage 6 Gb SAS REM HBA: 8 port (for factory installation)	SG-SAS6-REM-Z	3	New
0022	Oracle Sun Storage Tek Dual 8Gb FC Dual 1 GbE HBA in ExpressModule form factor, RoHS-6 compliant, Qlogic. factory configure	SG-PCIEFCGBE-Q8-N	3	New
0023	Oracle Solaris 11, Oracle VM Server for SPARC, and Oracle Electronic Prognostics preinstall (for factory installation)	7101664	3	New
0024	Oracle Sun Blade X6270 M3: model family	7100597	2	New
0025	Oracle Sun Blade X6270 M3 server module: base blade assembly (for factory installation)	7100824	2	New
0026	Oracle 1 Intel® Xeon® E5-2640 6-core 2.5 GHz processor (for factory installation)	7100602	4	New
0027	Oracle Heatsink (for factory installation)	7101758	4	New
0028	Oracle 8 GB DDR3-1600 DIMM (for factory installation)	7100730	16	New
0029	Oracle Memory filler panel (for factory installation)	5879A-N	32	New
0030	Oracle One 300 GB 10000 rpm 2.5-inch SAS-2 HDD with bracket (for factory installation)	RB-SS2CF-300G10K2	4	New
0031	Oracle VM preinstall (for factory installation)	7100735	2	New
0032	Oracle 2.5-inch HDD filler panel (for factory installation)	6331A-N	4	New
0033	Oracle Sun Storage 6 Gb SAS REM HBA: 8 port (for factory installation)	SG-SAS6-REM-Z	2	New
0034	Oracle 1 RAID expansion module storage cable (for factory installation)	7100737	2	New
0035	Oracle Sun Storage Tek Dual 8Gb FC Dual 1 GbE HBA in ExpressModule form factor, RoHS-6 compliant, Qlogic.	SG-PCIEFCGBE-	2	New

	factory configure	Q8-N		
0036	Oracle Dongle Cable II with RJ45 serial, video connector and RJ45-to-DB9 adaptor (for factory installation)	4623A	2	New
0037	Oracle Systems Assistant 4 GB USB stick (for factory installation)	7100736	2	New
0038	Oracle Standard System Installation Service, Site Audit: Servers - Group III (note: this is a one-time fee)	B61307	1	New
0039	Oracle Sun Rack II 1042/1042E	SUN-RACK-2B	2	New
0040	Oracle Rack, 42-1000-600mm wide, empty shipping only	SR-1042-N	2	New
0041	Oracle Standard System Installation Service, Racks - Basic (note: this is a one-time fee)	B61995	2	New
0042	Oracle Premier System (and OS) Support (base year + four 1-year options)	Q-PREM-SPRT-SYS	1	New

Option Period One: September 1, 2013 thru August 31, 2014

CLIN	Description	P/N	Qty	Type
1042	Oracle Premier System (and OS) Support	Q-PREM-SPRT-SYS	1	New

Option Year Two: September 1, 2014 thru August 31, 2015

CLIN	Description	P/N	Qty	Type
2042	Oracle Premier System (and OS) Support	Q-PREM-SPRT-SYS	1	New

Option Year Three: September 1, 2015 thru August 31, 2016

CLIN	Description	P/N	Qty	Type
3042	Oracle Premier System (and OS) Support	Q-PREM-SPRT-SYS	1	New

Option Year Four: September 1, 2016 thru August 31, 2017

CLIN	Description	P/N	Qty	Type
4042	Oracle Premier System (and OS) Support	Q-PREM-SPRT-SYS	1	New

Base Period: September 28, 2012 - August 31, 2013

Option Period One: September 1, 2013 - August 31, 2014;

Option Period Two: September 1, 2014 - August 31, 2015;

Option Period Three: September 1, 2015 - August 31, 2016;

Option Period Four: September 1, 2016 - August 31, 2017;

4. IDENTIFICATION OF STATUTORY AUTHORITY. 10 U.S.C. 2304(c)(1) as implemented by FAR 6.302-1(c). Application of Brand Name descriptions

5. IDENTIFICATION OF JUSTIFICATION RATIONALE. The Defense Commissary Agency (DeCA) manages commissary operations worldwide for the Department of Defense (DoD). This includes the Headquarters, data centers, and approximately 250 commissaries worldwide. The Network Monitory System (NMS) has been operating at near total capacity, this due in large part to having been configured to monitor additional hosts and hosted services. The NMS cannot be expanded upon and as a result, is unable to effectively monitor additional hosts and services. NMS maintenance costs would be an impractical expense better saved and expended for a retrofit purchase. The NMS refresh hardware, recommended below, is part of a five-year road map initiative; this information was briefed and provided by the agency's principal hardware consultant.

The current NMS is comprised of Oracle/Sun hardware and has been in service since 2004. Other alternatives that are available and DeCA has evaluated are a combination of VMware (VM), RedHat Enterprise Licenses (RHEL), and Hewlett Packard (HP)/Intel hardware (VM-RHEL-HP-Intel). The following observations with respect to the above platforms were found during a test on the IBM NetCool/CIC/Tivoli monitoring application component. This test was conducted for well over a year.

1. Less core density per Intel central processing unit (CPU) when compared to Oracle/Sun SPARC processors.
2. Instability of the Linux operating system when compared to the operating system Oracle/Sun Solaris. Noted multiple kernel crashes, not only with the IBM NetCool/CIC/Tivoli monitoring instance, but also with other pilot projects, such as Central Facilities Management Tool (CFMT), due to limited resource allocation.
3. VMware resource sharing is not clean for database-intensive operations and multiple sequel (SQL) reads and writes.
4. Constant kernel and patch updates to the Linux operating system, to meet information assurance and vulnerability alert requirements, compromised application functionality. There is no forward compatibility of the Linux operating system, as opposed to the traditional UNIX operating system, which creates issues during upgrades.
5. Multiple tickets have been opened with IBM over the past year; however, as listed on IBM's support policy page, they request the reproduction of the problem in a stand-alone environment. To work in the VM supported environment, IBM requires the purchase of additional support service agreements.

Operational Costs: The operational costs for VM license, RedHat operating system license, RedHat update license, Intel hardware license, and support hours for an unstable platform, are more than the operational costs on the Oracle/Sun Solaris platform which includes a hardware license, operating system, virtualization, updates and a platform with forward code compatibility.

Code Forwarding: The code forward compatibility allows flexibility in terms of application vendor code. Linux kernel is locked down to a particular version of GNU C Library and other library dependencies, the UNIX / Solaris platform allows execution of code compiled for older kernel /operating systems. This provides the ability to run an IBM NetCool/CIC/Tivoli

application produced for a Oracle/Sun Solaris 8 operating system on a Solaris 11 operating system without any additional modification.

The migration of all IBM NetCool/CIC/Tivoli application components from their current environments to the new platform will take approximately 160 man hours; the application will move from a system currently using a Oracle/Sun Solaris Operating System (OS), running on a SPARC CPU to a new system using a Oracle/Sun Solaris OS with a new Sparc CPU, and software will not be installed in a different OS or require a recompile on the new system. Moving to a completely different, non-Oracle/Sun, non-Solaris system will cost approximately 960 man hours. A service contract modification would be required to negotiate with the current IBM support contractor for additional application support if the platform change takes place; however, this is unnecessary if DeCA continues to utilize the Oracle/Sun environment. The IBM NetCool/CIC/Tivoli application components will be loaded in the new environment, and application functionality and data will be transferred from the existing systems in an orderly and transparent manner. The Oracle/Sun hardware will allow DeCA to accomplish the following additional updates:

The Cisco Works 3.2 application, currently running on the V240, will be moved to a zone/container on a blade on the new platform. This is a transparent copy made on the existing machine and unbundled on the new machine.

The Cisco Works 4.1 application currently running on a blade in the 6048 chassis will be moved to a zone/container on a blade in the new platform. This is a transparent copy made on the old machine and unbundled on the new machine.

The V890 currently provides a mount point for all other DeCA Solaris systems to apply IAVA patches and upgrade packages. It also serves as a Jumpstart server to build new systems and add operating system packages, as needed. This will be the first blade setup. The operating system will be loaded and configured as the control point for the installation of the rest of the operating systems, packages, applications, and patches. The V890 hosts a test Oracle database for use in new release/patch testing and upgrades. The V890 has several clean zones for testing application issues that arise from a variety of debatable external issues to isolate the root cause of trouble.

6. DETERMINATION OF FAIR AND REASONABLE COST. In accordance with FAR 8.404, 12.209, 13.106-1 (2), and 14.408-2, I hereby determine that the anticipated cost or price to the Government for this contract action will be fair and reasonable. The Price Reasonableness Memorandum detailing the Fair and Reasonable Price Determination will be included in the contract file documentation.

7. MARKET RESEARCH. The Defense Federal Acquisition Regulation Supplement SubPart 208-74 - Enterprise Software Agreements requires that Department of Defense Agencies use the Enterprise Software Initiative (ESI) when available through Army CHESS (CHESS). A search of the CHESS ESI was conducted. Currently, the ITES2h CHESS award for hardware is only open for Army requirements during the solicitation/re-compete phases.

Additional Market Research was conducted on the NASA SEWP IV (SEWP) contract vehicle and it was determined that eleven (11) vendors may be capable of providing the brand name, Oracle/Sun network monitoring equipment hardware and its maintenance support. Based on the above information, award of a new delivery order against an existing SEWP contract for the procurement of hardware and maintenance support for this requirement is believed to be in the best interest of DeCA.

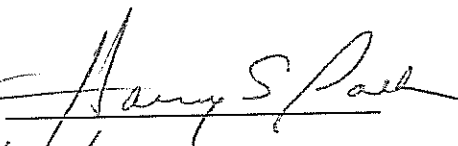
8. ANY OTHER SUPPORTING FACTS. N/A

9. LISTING OF INTERESTED SOURCES: DeCA has identified eleven (11) vendors on the SEWP IV contract vehicle that have the capability to provide the products and support for this requirement; however, under the fair opportunity rule, all 38 vendors identified in their respective group(s) will be provided the opportunity to quote for this requirement.

10. ACTIONS TAKEN TO REMOVE BARRIERS TO COMPETITION. DeCA continues to perform market research for products that are available and designed to run on open platforms through virtualization in lieu of the old legacy closed platforms. DeCA continually communicates and works with other DoD agencies, its business partners and attends trade and industry shows, in an effort to stay abreast of this evolving technology. As legislation and regulatory changes mandated by DoD change and influence the DoD department's information technology requirements, the commercial market place's ability to stay abreast of those changes and provide viable solutions will also change.

11. TECHNICAL/REQUIREMENT CERTIFICATION: "I certify that the supporting data under my cognizance which are included in the J&A are accurate and complete to the best of my knowledge and belief."

NAME: Harry Paek

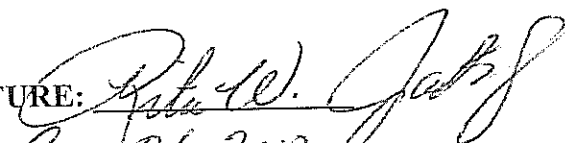
SIGNATURE: 

TITLE: Program Manager

DATE: 8/21/12

CONTRACTING OFFICER CERTIFICATION: "I have reviewed this justification and find it to be accurate and complete to the best of my knowledge and belief. Since this justification does not exceed \$650,000 and pursuant to the authority of 10 U.S.C. 2304(c)(1) provided that funds are available or will be made available and provided that the services and/or supplies herein described have otherwise been authorized for acquisition, this review serves as approval."

NAME: Rita W. Jackson

SIGNATURE: 

TITLE: Chief, IT Procurement Branch
Contracting Officer

DATE: Aug. 21, 2012

ALL QUESTIONS REGARDING THIS JUSTIFICATION AND APPROVAL ARE TO BE REFERRED TO THE CONTRACTING OFFICER Ms. RITA W. JACKSON 804-734-8000 X48199