

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING DO-C9	PAGE OF PAGES 1 25
2. CONTRACT NUMBER	3. SOLICITATION NUMBER N00173-07-R-CR01	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)		5. DATE ISSUED 10/30/06	6. REQUISITION/PURCHASE NUMBER
7. ISSUED BY Contracting Officer Naval Research Laboratory ATTN: Code 3220.CR Washington, DC 20375		CODE N00173	8. ADDRESS OFFER TO (If other than Item 7)		

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Sealed offers in original and 3 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in Building 222, Room 115 until 4:00 pm local time 11/30/06
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME Alan W Crupi	B. TELEPHONE (NO COLLECT CALLS)		C. E-MAIL ADDRESS Wayne.crupi@nrl.navy.mil
		AREA CODE 202	NUMBER 767-3595	EXT.

11. TABLE OF CONTENTS

(X)	SEC.	DESCRIPTION	PAGE(S)	(X)	SEC.	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
<input checked="" type="checkbox"/>	A	SOLICITATION/CONTRACT FORM	1	<input checked="" type="checkbox"/>	I	CONTRACT CLAUSES	12-16
<input checked="" type="checkbox"/>	B	SUPPLIES OR SERVICES AND PRICES/COSTS	2	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
<input checked="" type="checkbox"/>	C	DESCRIPTION/SPECS./WORK STATEMENT	2-3	<input checked="" type="checkbox"/>	J	LIST OF ATTACHMENTS	17
<input checked="" type="checkbox"/>	D	PACKAGING AND MARKING	3	PART IV - REPRESENTATIONS AND INSTRUCTIONS			
<input checked="" type="checkbox"/>	E	INSPECTION AND ACCEPTANCE	3	<input checked="" type="checkbox"/>	K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	17
<input checked="" type="checkbox"/>	F	DELIVERIES OR PERFORMANCE	3-4	<input checked="" type="checkbox"/>	L	INSTRS., CONDS., AND NOTICES TO OFFERORS	18-24
<input checked="" type="checkbox"/>	G	CONTRACT ADMINISTRATION DATA	4-8	<input checked="" type="checkbox"/>	M	EVALUATION FACTORS FOR AWARD	24-25
<input checked="" type="checkbox"/>	H	SPECIAL CONTRACT REQUIREMENTS	8-12				

OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)

<input type="checkbox"/>	10 CALENDAR DAYS (%)	<input type="checkbox"/>	20 CALENDAR DAYS (%)	<input type="checkbox"/>	30 CALENDAR DAYS (%)	<input type="checkbox"/>	CALENDAR DAYS (%)
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14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):

AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)

15B. TELEPHONE NUMBER	<input type="checkbox"/> 15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.	17. SIGNATURE	18. OFFER DATE
AREA CODE NUMBER EXT.			

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION
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22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)) <input type="checkbox"/> 41 U.S.C. 253(c) ()	23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM
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24. ADMINISTERED BY (If other than Item 7)	CODE	25. PAYMENT WILL BE MADE BY	CODE
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26. NAME OF CONTRACTING OFFICER (Type or print)	27. UNITED STATES OF AMERICA <i>(Signature of Contracting Officer)</i>	28. AWARD DATE
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IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

**PART I - THE SCHEDULE
SECTION B
SUPPLIES OR SERVICES AND PRICES/COSTS**

B-1 SUPPLIES/SERVICES AND COSTS

ITEM NUMBER	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	ESTIMATED COST PLUS FIXED FEE
0001	The Contractor shall provide the research and development in accordance with Section C-1.	\$	\$	\$
0002	Data in accordance with Exhibit A (DD 1423).	NSP *	NSP	NSP
TOTAL ESTIMATED COST PLUS FIXED FEE		\$	\$	\$

** Not Separately Priced*

NOTICE TO OFFERORS: In addition to inserting the estimated cost and fixed fee for the base year above, the estimated cost and fixed fee for each optional extension of the term of the contract are to be inserted in Section H.

**SECTION C
DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK**

C-1 STATEMENT OF WORK

The work and services to be performed hereunder shall be subject to the requirements and standards contained in Attachment (1), Statement of Work, with Exhibit A, Contract Data Requirements List, and all other Attachments cited in Section J, which are incorporated by reference into Section C.

C-2 REQUIREMENTS FOR ON-SITE CONTRACTORS

For those portions of the work under this contract performed at any NRL site, the contractor shall comply with the Requirements for On-Site Contractors dated 13 April 2006 which are hereby incorporated by reference. The full text is available at <http://heron.nrl.navy.mil/contracts/11onsite.htm>

C-3 SUBCONTRACTING PLAN

Subcontracting Plan _____ dated _____ is hereby incorporated by reference and made a material part of this contract.

*(*this provision will be included and completed at time of award, if applicable)*

SECTION D PACKAGING AND MARKING

D-1 PACKAGING AND MARKING

Preservation, packaging, packing and marking of all deliverable contract line items must conform to normal commercial packing standards to assure safe delivery at destination.

SECTION E INSPECTION AND ACCEPTANCE

E-1 INSPECTION AND ACCEPTANCE CLAUSES INCORPORATED BY REFERENCE

FAR CLAUSE TITLE

- 52.246-8 - Inspection Of Research And Development - Cost Reimbursement (MAY 2001)
- 52.246-9 - Inspection Of Research And Development (Short Form) (APR 1984)

DFARS CLAUSE TITLE

- 252.246-7000 - Material Inspection And Receiving Report (MAR 2003)

E-2 INSPECTION AND ACCEPTANCE

Inspection and acceptance of the final delivery will be accomplished by the Technical Manager (TM) or Contracting Officer Representative (COR) designated in Section G of this contract. Inspection and acceptance will be performed at the Naval Research Laboratory, Washington DC 20375-5320.

SECTION F DELIVERIES OR PERFORMANCE

F-1 DELIVERIES OR PERFORMANCE CLAUSES INCORPORATED BY REFERENCE:

FAR CLAUSE TITLE

- 52.242-15 - Stop-Work Order (AUG 1989) - Alternate I (APR 1984)
- 52.247-34 - F.O.B. Destination (NOV 1991)

F-2 PERIOD AND PLACE OF PERFORMANCE

(a) The term of this contract is from date of contract award through 12 months with four (4) options that will extend the period of performance for an additional 12 months each, if exercised.

(b) The principal place of performance of this contract shall be Mobile Bay, Alabama.

F-3 PLACE OF DELIVERY - FOB DESTINATION

The contractor shall deliver supplies, all transportation charges paid, to destination in accordance with the clause in Section F of the Schedule titled FAR 52.247-34 FOB Destination (NOV 1991).

Receiving Officer
Naval Research Laboratory
Contract Number
ATTN: *
CODE: *
LOCATION: *
Bldg. 49
4555 Overlook Avenue, SW
Washington DC 20375-5320

(* To be filled in at time of award.)

**SECTION G
CONTRACT ADMINISTRATION DATA**

G-1 PROCURING OFFICE REPRESENTATIVE

In order to expedite administration of the contract, the Administrative Contracting Officer (ACO) will direct inquiries to the appropriate office listed below. Please do not direct routine inquiries to the person listed in Item 20A on Standard Form 26.

Security Matters- Contracting Officer for Security, Code 1221, (202) 767-2240, DSN 297-2240, email security-group@nrl.navy.mil

Safety Matters- Head Safety Branch, Code 3540, (202) 767-2232, DSN 297-2232, email safety@nrl.navy.mil

Patent Matters-Associate Counsel (Intellectual Property), Code 1008.2, (202) 404-1552, DSN 297-1552, email patents@nrl.navy.mil

Release of Data-Public Affairs Officer, Code 1030 (202) 767-2541, DSN 297-2541, email publicaffairs@nrl.navy.mil

G-2 CONTRACTING OFFICER'S REPRESENTATIVE (COR) - FUNCTIONS AND LIMITATIONS

* is hereby designated the cognizant COR who will represent the Contracting Officer in the technical monitoring and administration of this contract. In accordance with Section E, the COR will accomplish inspection and acceptance of deliverables under this contract. The COR is not otherwise authorized to make any representations or commitments of any kind on behalf of the Contracting Officer or the Government. The COR does not have the authority to alter the Contractor's obligations or change the specifications in the contract. If, as a result of technical discussions, it is desirable to alter contract obligations or the statement of work, a modification must be issued in writing and signed by the Contracting Officer. Unless terminated sooner, this appointment is effective for the period of performance of this contract including any options, if exercised. COR authority may not be redelegated. No change in COR assignment shall be made without written notice by the Contracting Officer, who will modify the contract to reflect the change of COR assignment.

*(* To be completed at time of award)*

G-3 TECHNICAL DIRECTION MEMORANDUM (TDM)

- (a) For the purposes of this clause, technical direction includes the following:
- (1) Direction to the Contractor which shifts work emphasis between work areas or tasks, requires pursuit of certain lines of inquiry, fills in details or otherwise describes work which will accomplish the objectives described in the statement of work;
 - (2) Guidelines to the Contractor, which assist in interpretation of drawings, specifications or technical portions of, work description.
- (b) Technical instructions must be within the scope of work stated in the contract. Technical instructions may not be used to:
- (1) Assign additional work under the contract;
 - (2) Direct a change as defined in the contract clause entitled "Changes";
 - (3) Increase or decrease the estimated contract cost, the fixed fee, or the time required for contract performance; or
 - (4) Change any of the terms, conditions or specifications of the contract
- (c) The TDM shall be written by the Contracting Officer's Representative (COR), with the original given to the Contractor and a copy retained in the CORs file. Technical direction may be issued orally only in emergency situations. If technical direction is issued orally, a TDM must follow within two (2) working days from the date of the oral direction. Amendments, corrections, or changes to TDMs shall also be in written format and shall include all the information set forth in paragraph (e) below.
- (d) A TDM shall be considered issued when the Government deposits it in the mail, or if transmitted by other means, when it is physically delivered to the contractor.
- (e) TDMs shall include, but not be limited to, the following information:
- (1) Date of TDM,
 - (2) Contract Number,
 - (3) Reference to the relevant portion or item in the Statement of Work,
 - (4) The specific technical direction or clarification, and
 - (5) The signature of the COR.
- (f) CORs shall retain all files containing TDMs for a period of two (2) years after the final contract completion date.
- (g) The only individual authorized in any way to amend or modify any of the terms of this contract

shall be the Contracting Officer. When, in the opinion of the Contractor, any technical direction calls for effort outside the scope of the contract or inconsistent with this special provision, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after its receipt.

G-4 CONTRACTOR-ACQUIRED PROPERTY

(a) The contractor is authorized to acquire the following items of facilities, which are needed to accomplish this contract.

Items to be Acquired

Estimated Cost

*(*this provision will be included and completed at time of award, if applicable)*

(b) This authorization does not constitute any consent required pursuant to the contract clause entitled "Subcontracts" (FAR 52.244-2). Advance notification or requests for consent pursuant to that clause shall be directed to the administrative contracting officer (ACO).

(c) Pursuant to the contract clause entitled "Government Property (Cost-Reimbursement, Time-and-Material, or Labor-Hour Contracts)" (FAR 52.245-5), title to the property shall vest in the Government.

(d) Prior to acquisition of any item of Industrial Plant Equipment, the Contractor must comply with the requirements of Department of Defense Federal Acquisition Regulation Supplement (DFARS 245.302-1(b)(1)(A)). (See DFARS 245.301 for definition of "Industrial Plant Equipment.")

G-5 SUBCONTRACTORS/CONSULTANTS

(a) Advance notification or requests for consent pursuant to the contract clause entitled "Subcontracts" (FAR 52.244-2) shall be directed to the cognizant administrative contracting officer (ACO).

(b) The following subcontractors/consultants have been identified in the Contractor's proposal as necessary for performance of this contract:

Subcontractor/Consultant Name

Estimated Cost

(Paragraph (b) will be included and filled in at time of award if subcontractor/consultants are proposed by the successful offeror)

G-6 INCREMENTAL FUNDING

Pursuant to the Limitation of Funds clause (FAR 52.232-22), the total amount allotted to this contract is \$* and it is estimated that this amount is sufficient for contract performance through * .

*(*this provision will be included and completed at time of award, if applicable)*

G-7 INFORMATIONAL SUBLINE ITEMS

It is anticipated that the research and development services performed under this contract will be paid for from multiple sources of funds. Informational subline items will be established as necessary to identify each accounting citation classification.

G-8 PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS (COST-REIMBURSEMENT)

If there is more than one ACRN within a contract line item, the payment office will make payment using the ACRN(s) cited on the contractor's invoice.

G-9 PAYMENT AND VOUCHER INSTRUCTIONS

In accordance with the contract clause, *Electronic Submission of Payment Requests* (DFARS 252.232-7003), the contractor must submit requests for payment electronically.

If the contractor uses the Wide Area Workflow (WAWF), it may be accessed at its homepage <https://wawf.eb.mil/>. If the contractor has not registered with WAWF, instructions for doing so may be accessed at: <https://wawf.eb.mil/vreg.htm>

The following information is applicable to vouchers submitted under this contract using WAWF:

Under "Create New Document" select "Cost Voucher". When you enter the contract number, some of the other fields in the document may fill out automatically.

Use the appropriate Item Number stated in the contract (e.g., 0001, 0002 or 0001AA, 0001AB, etc).

If the contract contains multiple accounting classification reference numbers (ACRNs), the ACRN(s) from which payment is to be made must be cited on the voucher. If more than one ACRN is cited, the voucher must indicate the amounts to be paid from each. Information may be obtained from the COR to assist the contractor in determining the appropriate ACRNs from which payment is to be made.

Contract Number: [Use the contract number as listed on page one of the award document.]

Issue By DODAAC: N00173

Admin DODAAC: [Use the 6 character "ADMINISTERED BY" CODE as listed on page one of the award document]

Pay DODAAC: [Use the 6 character "PAYMENT WILL BE MADE BY" CODE as listed on page one of the award document]

DCAA Auditor DODAAC: Go to <http://www.dcaa.mil/> Select "Audit Office Locator" from Left Menu

Service Acceptor DODAAC: N00173 Extension 6100

Ship To Code DODAAC: N00173 Extension 6100

LPO DODAAC: N00173

Cage Code: [Use your company specific code.]

IMPORTANT: When submitting vouchers using WAWF, email notification is to be given to the COR

identified in Section G of the contract. Utilize the "Send More Email Notifications" function in WAWF. If the contractor uses a method other than WAWF to submit vouchers under this contract, a copy of the voucher is to be sent (preferably by email) to the COR identified in Section G of the contract.

Pursuant to DFARS 242.803(b)(i)(c), if the cognizant Government auditor has notified the contractor of its authorization to do so, the contractor may submit vouchers under this contract direct to the payment office. Such authorization does not extend to the first and final vouchers.

SECTION H SPECIAL CONTRACT REQUIREMENTS

H-1 TYPE OF CONTRACT

This is a *

*(*To be completed at time of award)*

H-2 ONR 5252.237-9705 - KEY PERSONNEL (DEC 88)

(a) The Contractor agrees to assign to the contract tasks those persons whose resumes were submitted with its proposal and who are necessary to fulfill the requirements of the contract as "key personnel". No substitutions may be made except in accordance with this clause.

(b) The Contractor understands that during the first ninety (90) days of the contract performance period, no personnel substitutions will be permitted unless these substitutions are unavoidable because of the incumbent's sudden illness, death or termination of employment. In any of these events, the Contractor shall promptly notify the Contracting Officer and provide the information described in paragraph (c) below. After the initial ninety (90) day period the Contractor must submit to the Contracting Officer all proposed substitutions, in writing, at least thirty (30) days in advance (sixty (60) days if security clearance must be obtained) of any proposed substitution and provide the information required by paragraph (c) below.

(c) Any request for substitution must include a detailed explanation of the circumstances necessitating the proposed substitution, a resume for the proposed substitute, and any other information requested by the Contracting Officer. Any proposed substitute must have qualifications equal to or superior to the qualifications of the incumbent. The Contracting Officer or his/her authorized representative will evaluate such requests and promptly notify the Contractor of his/her approval or disapproval thereof.

(d) In the event that any of the identified key personnel cease to perform under the contract and the substitute is disapproved, the contract may be immediately terminated in accordance with the Termination clause of the contract.

The following are identified as key personnel: *

(To be completed at time of award)*

Labor Category	First/M/Last Name
Supervisor/Administrator	*

H-3 ONR 5252.216-9706 - LEVEL OF EFFORT (DEC 88)

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in this contract. The total level of effort for performance of this contract shall be 11,970 hours for the base year and 11,970 for each option, if exercised, of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort. A breakdown of labor categories and hours is set forth in paragraph (k) below.

(b) The level of effort for this contract shall be expended at an average rate of 990 hours per month. It is understood and agreed that the rate of hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total hours of effort prior to the expiration of the term of the contract.

(c) The Contractor is required to notify the Contracting Officer when any of the following situations occur, or are anticipated to occur: If during any three consecutive months the monthly average is exceeded by 25% or, if at any time it is forecast that during the last three months of the contract less than 50% of the monthly average will be used during any given month; or, when 85% of the total level of effort has been expended.

(d) If, during the term of the contract, the Contractor finds it necessary to accelerate the expenditure of direct labor to such an extent that the total hours of effort specified would be used prior to the expiration of the term, the Contractor shall notify the Contracting Officer in writing, setting forth the acceleration required, the probable benefits which would result, and an offer to undertake the acceleration at no increase in the estimated cost or fixed fee together with an offer setting forth a proposed level of effort, cost breakdown, and proposed fixed fee for continuation of the work until expiration of the term hereof. The offer shall provide that the work proposed will be subject to the terms and conditions of this contract and any additions or changes required by then current law, regulations, or directives, and that the offer, with a written notice of acceptance by the Contracting Officer, shall constitute a binding contract. The Contractor shall not accelerate any effort until receipt of such written approval by the Contracting Officer. Any agreement to accelerate will be formalized by contract modification.

(e) The Contracting Officer may, by written order, direct the Contractor to accelerate the expenditure of direct labor such that the total hours of effort specified in paragraph (a) above would be used prior to the expiration of the term. This order shall specify the acceleration required and the resulting revised term. The Contractor shall acknowledge this order within five days of receipt.

(f) If the total level of effort specified in paragraph (a) above is not provided by the Contractor during the term of this contract, the Contracting Officer shall either (i) reduce the fixed fee of this contract as follows:

$$\text{Fee Reduction} = \text{Fixed Fee} \times (\text{Required LOE Hours} - \text{Expended LOE Hours})$$

H-4 ONR 5252.235-9714 - REPORT PREPARATION (JUL 2005)

Scientific or technical reports prepared by the Contractor and deliverable under the terms of this contract will be prepared in accordance with format requirements contained in ANSI/NISO Z39.18-2005, Scientific and Technical Reports: Elements, Organization, and Design.

[NOTE: All NISO American National Standards are available as free, downloadable pdf(s) at <http://www.niso.org/standards/index.html>. NISO standards can also be purchased in hardcopy form from NISO Press Fulfillment, P. O. Box 451, Annapolis Junction, MD 20701-0451 USA. Telephone U.S. and Canada: (877) 736-6476; Outside the U.S. and Canada: 301-362-6904, Fax: 301-206-9789.]

H-5 ELECTRONIC AND INFORMATION TECHNOLOGY (EIT)

In accordance with Section 508 of the Rehabilitation Act of 1973 (29 U.S.C. 794d), all EIT supplies and services provided under this contract must comply with the applicable accessibility standards issued by the Architectural and Transportation Barriers Compliance Board at 36 CFR part 1194 (see FAR Subpart 39.2). Electronic and information technology (EIT) is defined at FAR 2.101.

H-6 OPTION TO EXTEND THE TERM OF THE CONTRACT

This contract shall be renewable at the unilateral option of the Government by the Contracting Officer giving written notice of renewal to the Contractor within the existing term of the contract. The Government may exercise its option to renew the contract a total of four (4) times and each such renewal shall extend the term of the contract by twelve (12) months. The Contractor agrees that performance under each such renewal shall be accomplished in accordance with all of the terms and conditions of this contract and at the estimated cost and fixed fee set forth below:

First Option (If exercised)

Estimated Cost	\$
Fixed Fee	\$
Estimated Cost Plus Fixed Fee	\$

Second Option (If exercised)

Estimated Cost	\$
Fixed Fee	\$
Estimated Cost Plus Fixed Fee	\$

Third Option (If exercised)

Estimated Cost	\$
Fixed Fee	\$
Estimated Cost Plus Fixed Fee	\$

Fourth Option (If exercised)

Estimated Cost	\$
Fixed Fee	\$
Estimated Cost Plus Fixed Fee	\$

H-7 ON-SITE USE OF GOVERNMENT PROPERTY

It is anticipated that Government property will be used by the contractor's personnel in the performance of that portion of the contract performed on-site at the U.S. Naval Research Laboratory (NRL) including any of its field sites. Such use will be on a rent free basis and all such property shall be considered to remain in the possession and control of the NRL for property responsibility and accountability purposes.

**PART II - CONTRACT CLAUSES
SECTION I
CONTRACT CLAUSES**

I-1 FAR 52.252-2 - CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.acqnet.gov/far>
<http://heron.nrl.navy.mil/contracts/home.htm>

a. FEDERAL ACQUISITION REGULATION CLAUSES**FAR CLAUSE TITLE**

- | | | |
|-----------|---|---|
| 52.202-1 | - | Definitions (JUL 2004) |
| 52.203-3 | - | Gratuities (APR 1984) |
| 52.203-5 | - | Covenant Against Contingent Fees (APR 1984) |
| 52.203-6 | - | Restrictions On Subcontractor Sales To The Government (SEP 2006) |
| 52.203-7 | - | Anti-Kickback Procedures (JUL 1995) |
| 52-203-8 | - | Cancellation, Rescission, And Recovery Of Funds For Illegal Or Improper Activity (JAN 1997) |
| 52.203-10 | - | Price Or Fee Adjustment For Illegal Or Improper Activity (JAN 1997) |
| 52.203-12 | - | Limitation On Payments To Influence Certain Federal Transactions (SEP 2005) |
| 52.204-4 | - | Printed Or Copied Double-Sided On Recycled Paper (AUG 2000) |
| 52.204-7 | - | Central Contractor Registration (JUL 2006) |
| 52.204-9 | - | Personal Identity Verification Of Contractor Personnel (JAN 2006) |
| 52.209-6 | - | Protecting The Government's Interest When Subcontracting With Contractors Debarred, Suspended, Or Proposed For Debarment (SEP 2006) |
| 52.211-15 | - | Defense Priority And Allocation Requirements (SEP 1990) |
| 52.215-2 | - | Audit And Records-Negotiation (JUN 1999) |
| 52.215-8 | - | Order Of Precedence - Uniform Contract Format (OCT 1997) |
| 52.215-10 | - | Price Reduction For Defective Cost Or Pricing Data (OCT 1997) |
| 52.215-11 | - | Price Reduction For Defective Cost Or Pricing Data - Modifications (OCT 1997) |
| 52.215-12 | - | Subcontractor Cost Or Pricing Data (OCT 1997) |
| 52.215-13 | - | Subcontractor Cost Or Pricing Data Modifications (OCT 1997) |
| 52.215-14 | - | Integrity Of Unit Prices (OCT 1997) |
| 52.215-15 | - | Pension Adjustments And Asset Reversions (OCT 2004) |
| 52.215-17 | - | Waiver Of Facilities Capital Cost Of Money (OCT 1997)
<i>(will be included if the successful offeror does not propose facilities capital cost of</i> |

- 52.215-18 - *money* Reversion Or Adjustment Of Plans For Post-Retirement Benefits (PRB) Other Than Pensions (JUL 2005)
- 52.215-19 - Notification Of Ownership Changes (OCT 1997)
- 52.215-21 - Requirements For Cost Or Pricing Data Or Information Other Than Cost or Pricing Data -Modifications (OCT 1997)
- 52.216-7 - Allowable Cost And Payment (DEC 2002) (fill in 30th)
- 52.216-8 - Fixed-Fee (MAR 1997)
- 52.219-4 - Notice Of Price Evaluation Preference For HUBZone Small Business Concerns (JUL 2005) Offeror elects to waive the evaluation preference.
- 52.219-8 - Utilization Of Small Business Concerns (MAY 2004)
- 52.219-9 - Small Business Subcontracting Plan (SEP 2006) - Alternate II (OCT 2001)
- 52.219-16 - Liquidated Damages-Subcontracting Plan (JAN 1999)
- 52.219-25 - Small Disadvantaged Business Participation Program-Disadvantaged Status And Reporting (OCT 1999)
- 52.222-2 - Payment For Overtime Premiums (JUL 1990) -The Use Of Overtime Is Authorized Under This Contract If The Overtime Premium Does Not Exceed "0"
- 52.222-3 - Convict Labor (JUN 2003)
- 52.222-4 - Contract Work Hours And Safety Standards Act-Overtime Compensation (JUL 2005)
- 52.222-19 - Child Labor – Cooperation With Authorities And Remedies (JAN 2006)
- 52.222-21 - Prohibition Of Segregated Facilities (FEB 1999)
- 52.222-26 - Equal Opportunity (APR 2002)
- 52.222-35 - Equal Opportunity For Special Disabled Veterans, Veterans Of The Vietnam Era, And Other Eligible Veterans (SEP 2006)
- 52.222-36 - Affirmative Action For Workers With Disabilities (JUN 1998)
- 52.222-37 - Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, And Other Eligible Veterans (SEP 2006)
- 52.222-39 - Notification Of Employee Rights Concerning Payment Of Union Dues Or Fees (DEC 2004)
- 52.222-41 - Service Contract Act of 1965, as Amended (July 2005)
- 52.222-42 - Statement of Equivalent Rates for Federal Hires (May 1989)

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

This Statement is for Information Only: It is not a Wage Determination

Employee Class	Monetary Wage—Fringe Benefits
23160 - Electrician, Maintenance	\$18.40 -- \$3.01/hr
23182 - Electronic Tech Maint II	\$21.64 -- \$3.01/hr
23470 - Laborer	\$10.20 -- \$3.01/hr
23810 - Plumber	\$16.33 -- \$3.01/hr
23960 - Welder	\$16.69 -- \$3.01/hr
30082 - Engineering Tech II	\$16.27 -- \$3.01/hr

- 52.222-43 - Fair Labor Standards Act and Service Contract Act—Price Adjustment (Multiple

- Year and Option Contracts) (May 1989)
- 52.222-50 - Combating Trafficking In Persons (APR 2006)
- 52.223-3 - Hazardous Material Identification And Material Safety Data (JAN 1997)
- 52.223-5 - Pollution Prevention And Right-To-Know Information (AUG 2003)
- 52.223-6 - Drug-Free Workplace (MAY 2001)
- 52.223-10 - Waste Reduction Program (AUG 2000)
- 52.223-14 - Toxic Chemical Release Reporting (AUG 2003)
- 52.225-13 - Restrictions On Certain Foreign Purchases (FEB 2006)
- 52.227-1 - Authorization And Consent (JUL 1995)- Alternate I (APR 1984)
- 52.227-2 - Notice And Assistance Regarding Patent And Copyright Infringement (AUG 1996)
- 52.227-11 - Patent Rights - Retention By The Contractor (Short Form) (JUN 1997)
(will be included if the successful offeror is a small business or a non-profit organization)
- 52.227-12 - Patent Rights - Retention By The Contractor (Long Form) (JAN 1997)
(will be included if the successful offeror is not a small business or a non-profit organization)
- 52.228-7 - Insurance - Liability To Third Persons (MAR 1996)
- 52.230-2 - Cost Accounting Standards (APR 1998)
- 52.230-3 - Disclosure And Consistency Of Cost Accounting Practices (APR 1998)
- 52.230-6 - Administration Of Cost Accounting Standards (APR 2005)
- 52.232-9 - Limitation On Withholding Of Payments (APR 1984)
- 52.232-17 - Interest (JUN 1996)
- 52.232-18 - Availability Of Funds (APR 1984)
- 52.232-20 - Limitation Of Cost (APR 1984) *(Applicable when the contract or task order is fully funded)*
- 52.232-22 - Limitation Of Funds (APR 1984) *(Applicable when the contract or task order is not fully funded)*
- 52.232-23 - Assignment Of Claims (JAN 1986) Alternate I (APR 1984)
- 52.232-25 - Prompt Payment (OCT 2003) Alternate I(FEB 2002)
- 52.232-33 - Payment By Electronic Funds Transfer-Central Contractor Registration (OCT 2003)
- 52.233-1 - Disputes (JUL 2002)
- 52.233-3 - Protest After Award (AUG 1996) - Alternate I (JUN 1985)
- 52.233-4 - Applicable Law For Breach Of Contract Claim (OCT 2004)
- 52.237-2 - Protection Of Government Buildings, Equipment And Vegetation (APR 1984)
- 52.242-1 - Notice Of Intent To Disallow Costs (APR 1984)
- 52.242-3 - Penalties For Unallowable Costs (MAY 2001)
- 52.242-4 - Certification of Final Indirect Costs (JAN 1997)
- 52.242-13 - Bankruptcy (JUL 1995)
- 52.243-2 - Changes - Cost-Reimbursement (AUG 1987) - Alternate V (APR 1984)
- 52.243-6 - Change Order Accounting (APR 1984)
- 52.243-7 - Notification Of Changes (APR 1984) fill in 30
- 52.244-2 - Subcontracts (AUG 1998) - Alternate I (MAR 2005)
- 52.244-5 - Competition In Subcontracting (DEC 1996)
- 52.244-6 - Subcontracts For Commercial Items (SEP 2006)
- 52.245-5 - Government Property (Cost-Reimbursement, Time-And-Material, Or Labor-Hour Contracts) (MAY 2004)
- 52.245-9 - Use And Charges (AUG 2005)
- 52.245-18 - Special Test Equipment (FEB 1993)

- 52.246-23 - Limitation Of Liability (FEB 1997)
- 52.246-25 - Limitation Of Liability - Services (FEB 1997)
- 52.247-1 - Commercial Bill Of Lading Notations (FEB 2006)
- 52.247-63 - Preference For U. S. Flag Air Carriers (JUN 2003)
- 52.249-6 - Termination (Cost-Reimbursement) (MAY 2004)
- 52.249-14 - Excusable Delays (APR 1984)
- 52.251-1 - Government Supply Sources (APR 1984)
- 52.252-6 - Authorized Deviations in Clauses (APR 1984)(fill in Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2))
- 52.253-1 - Computer Generated Forms (JAN 1991)

b. DEPARTMENT OF DEFENSE FEDERAL ACQUISITION REGULATION CLAUSES

DFARS CLAUSE TITLE

- 252.201-7000 - Contracting Officer's Representative (DEC 1991)
- 252.203-7001 - Prohibition On Persons Convicted Of Fraud Or Other Defense Contract Related Felonies (DEC 2004)
- 252.203-7002 - Display Of DoD Hotline Poster (DEC 1991)
- 252.204-7000 - Disclosure Of Information (DEC 1991)
- 252.204-7003 - Control Of Government Personnel Work Product (APR 1992)
- 252.204-7004 - Alternate A (NOV 2003)
- 252.205-7000 - Provision Of Information To Cooperative Agreement Holders (DEC 1991)
- 252.209-7004 - Subcontracting With Firms That Are Owned Or Controlled By The Government Of A Terrorist Country (MAR 1998)
- 252.211-7006 - Radio Frequency Identification (MAY 2006)
- 252.215-7000 - Pricing Adjustments (DEC 1991)
- 252.215-7002 - Cost Estimating System Requirements (OCT 1998)
- 252.219-7003 - Small Business And Small Disadvantaged Business Subcontracting Plan (DoD Contracts) (APR 1996)
- 252.219-7004 - Small, Small Disadvantaged And Women-Owned Small Business Subcontracting Plan (Test Program) (JUN 1997)
- 252.223-7001 - Hazard Warning Labels (DEC 1991)
- 252.223-7004 - Drug-Free Work Force (SEP 1988)
- 252.223-7006 - Prohibition On Storage And Disposal Of Toxic And Hazardous Materials (APR 1993)
- 252.225-7012 - Preference For Certain Domestic Commodities (JUN 2004)
- 252.225-7013 - Duty Free Entry (OCT 2006)
- 252.225-7031 - Secondary Arab Boycott Of Israel (JUN 2005)
- 252.225-7043 - Antiterrorism/Force Protection Policy For Defense Contractors Outside The United States (MAR 2006) (fill in : Naval Criminal Investigative Service (NCIS), Code 24, telephone, DSN 228-9113 or commercial (202)433-9113)
- 252.226-7001 - Utilization of Indian Organizations, Indian-Owned Economic Enterprises, And Native Hawaiian Small Business Concerns (OCT 2003)
- 252.227-7000 - Non Estoppel (OCT 1966)
- 252.227-7001 - Release Of Past Infringement (AUG 1984)

- 252.227-7013 - Rights In Technical Data -- Noncommercial Items (NOV 1995) - Alternate I (JUN

- 1995)
- 252.227-7014 - Rights In Noncommercial Computer Software And Noncommercial Computer Software Documentation (JUN 1995) - Alternate I (JUN 1995)
 - 252.227-7016 - Rights In Bid Or Proposal Information (JUN 1995)
 - 252.227-7019 - Validation Of Asserted Restrictions--Computer Software (JUN 1995)
 - 252.227-7025 - Limitations On The Use Or Disclosure Of Government-Furnished Information Marked With Restrictive Legends (JUN 1995)
 - 252.227-7026 - Deferred Delivery Of Technical Data Or Computer Software (APR 1988)
 - 252.227-7027 - Deferred Ordering Of Technical Data Or Computer Software (APR 1988)
 - 252.227-7030 - Technical Data--Withholding Of Payment (MAR 2000)
 - 252.227-7034 - Patents--Subcontracts (APR 1984)
 - 252.227-7037 - Validation Of Restrictive Markings On Technical Data (SEP 1999)
 - 252.227-7039 - Patents--Reporting Of Subject Inventions (APR 1990)
 - 252.231-7000 - Supplemental Cost Principles (DEC 1991)
 - 252.232-7003 - Electronic Submission Of Payment Requests (MAY 2006)
 - 252.232-7010 - Levies On Contract Payments (SEP 2005)
 - 252.235-7010 - Acknowledgment Of Support And Disclaimer (MAY 1995)
 - 252.235-7011 - Final Scientific Or Technical Report (NOV 2004)
 - 252.242-7004 - Material Management And Accounting System (NOV 2005)
 - 252.243-7002 - Requests For Equitable Adjustment (MAR 1998)
 - 252.244-7000 - Subcontracts For Commercial Items And Commercial Components (DOD Contracts) (NOV 2005)
 - 252.245-7001 - Reports Of Government Property (MAY 1994)
 - 252.247-7023 - Transportation Of Supplies By Sea (MAY 2002)
 - 252.247-7024 - Notification Of Transportation Of Supplies By Sea (MAR 2000)
(will be included if the successful offeror made a negative response to the inquiry at DFARS 252.247-7022)
 - 252.251-7000 - Ordering From Government Supply Sources (NOV 2004)

I-2 FAR 52.223-11 - OZONE-DEPLETING SUBSTANCES (MAY 2001)

(a) *Definitions.* "Ozone-depleting substance", as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as –

- (1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or
- (2) Class II, including, but not limited to, hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

WARNING

Contains (or manufactured with, if applicable) *_____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

*The Contractor shall insert the name of the substance(s).

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
SECTION J
LIST OF ATTACHMENTS

- J-1** Attachment (1) - Statement Of Work - 6 Pages, With Exhibit A - DD Form 1423, Contract Data Requirements List - 2 Pages.
- J-2** Attachment (2) – Personnel Qualifications - 3 Pages.
- J-3** Attachment (3) – Accounting and Appropriation Data - 1 page. *
- (* To be included at time of award)*

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION - K
REPRESENTATIONS, CERTIFICATIONS
AND OTHER STATEMENTS OF OFFERORS OR RESPONDENTS

K-1 REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS OR RESPONDENTS

In accordance with FAR 4.1201, prospective contractors must complete electronic annual federal representations and certifications via the Online Representations and Certifications Application (ORCA) at <http://orca.bpn.gov> in conjunction with required registration in the Central Contractor Registration (CCR) <http://www.ccr.gov> database. The representations and certification must be updated as necessary, but at least annually, to ensure they are kept current, accurate and complete.

In addition, each offeror must submit completed DFARS and contract specific Representations, Certifications, and Other Statements Of Offerors or Respondents with its proposal which is available electronically in full text at <http://heron.nrl.navy.mil/contracts/rep sandcerts.htm> .

Use Contract Representations and Certifications: **A**

K-2 FILL IN FOR FAR 52.219-1 - SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 2004)

The fill in information is as follows:

- (a) (1) The NAICS code for this acquisition is 541710.
(2) The small business size standard is 500 employees.

**SECTION L
INSTRUCTIONS CONDITIONS AND NOTICES
TO OFFERORS OR RESPONDENTS**

L-1 FAR 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.acqnet.gov/far>
<http://heron.nrl.navy.mil/contracts/home.htm>

FAR CLAUSE TITLE

52.204-6	-	Data Universal Numbering System (DUNS) Number (OCT 2003)
52.214-34	-	Submission Of Offers In The English Language (APR 1991)
52.214-35	-	Submission Of Offers In U.S. Currency (APR 1991)
52.215-1	-	Instructions To Offerors- Competitive Acquisition (JAN 2004)
52.215-16	-	Facilities Capital Cost Of Money (JUN 2003)
52.219-24	-	Small Disadvantaged Business Participation Program - Targets (OCT 2000)
52.237-10	-	Identification Of Uncompensated Overtime (OCT 1997)

DFAR CLAUSE TITLE

252.209-7001-	Disclosure Of Ownership Or Control By The Government Of A Terrorist Country (SEP 2004)
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L-2 INSTRUCTIONS FOR SUBMISSION OF PROPOSALS/OFFERS

All proposals shall be submitted in accordance with FAR 52.215-1- *Instructions to Offerors- Competitive Acquisition*. Proposals/offers submitted in paper media through the United States Postal Service (USPS) or delivery services shall be addressed:

Contracting Officer, ATTN: Code 3220.CR

RFP No. N00173-07-R-CR01

Closing Date:

Time: 4PM Local Time

November 30, 2006

Naval Research Laboratory

4555 Overlook Avenue, S.W.

Washington, D.C. 20375

Proposals may be hand delivered to the Contracting Office, NRL, 4555 Overlook Avenue, S.W., Washington, D.C. 20375, Building 222, Room 115 between the hours of 8AM until 4PM, local time, excluding weekends and federal holidays. NRL is a controlled-access facility. Photo identification will

be required. Report first to Building 72, Visitor Control for access to NRL. After receiving a Visitor Pass, proceed directly to Building 222, Room 115, Contracting Office Receptionist to deliver the proposal. All offerors shall allow sufficient time for delivery of their proposal to the Contracting Office prior to the closing date and time announced in the solicitation. Directions and additional information about NRL is available at <http://www.nrl.navy.mil/aboutdc.htm>

If facsimile proposals are authorized, contracting officers may request offeror(s) to provide the complete; original signed proposal at a later date.

L-3 FAR 52.211-14 - NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be a DX rated order; DO rated order certified for national use under the Defense Priorities and Allocations system (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation.

L-4 FAR 52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997) ALTERNATE IV (OCT 1997)

- (a) Submission of cost or pricing data is not required.
- (b) Provide information described below and see Section L Volume II -- Business Proposal.

L-5 FAR 52.216-1 - TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a Cost Plus Fixed Fee Term contract resulting from this solicitation.

L-6 FAR 52.233-2 - SERVICE OF PROTEST (SEP 2006)

(a) Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the Government Accountability Office(GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from the Control Desk, Code 3200, Bldg. 222, Rm. 115, Naval Research Laboratory, 4555 Overlook Ave., S.W., Washington DC 20375-5326.

- (b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L-7 DFARS 252.227-7017 - IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS (JUN 1995)

- (a) The terms used in this provision are defined in following clause or clauses contained in this solicitation—
 - (1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

- (2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.
- (b) The identification and assertion requirements in this provision apply only to technical data, including computer software documents, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovative Research Program, the notification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.
- (c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.
- (d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror:

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished With Restrictions*	Basis for Assertion **	Asserted Rights Category ***	Name of Person Asserting Restrictions****
(List)*****	(List)	(List)	(List)

- * For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such items, component, or process. For computer software or computer software documentation identify the software or documentation.
- ** Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.
- *** Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or

government purpose rights under this or a prior contract, or specially negotiated licenses).

**** Corporation, individual, or other person, as appropriate.

***** Enter "none" when all data or software will be submitted without restrictions.

Date _____

Printed Name and Title _____

Signature _____

(End of identification and assertion)

- (e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.
- (f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

L-8 DFARS 252.227-7028 - TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT (JUN 1995)

The Offeror shall attach to its offer an identification of all documents or other media incorporating technical data or computer software it intends to deliver under this contract with other than unlimited rights that are identical or substantially similar to documents or other media that the Offeror has produced for, delivered to, or is obligated to deliver to the Government under any contract or subcontract. The attachment shall identify - -

- (a) The contract number under which the data or software were produced;
- (b) The contract number under which, and the name and address of the organization to whom, the data or software were most recently delivered or will be delivered; and
- (c) Any limitations on the Government's rights to use or disclose the data or software, including, when applicable, identification of the earliest date the limitations expire.

L-9 GOVERNMENT-FURNISHED PROPERTY

No material, labor, or facilities will be furnished by the Government unless provided for in the solicitation.

L-10 INQUIRIES CONCERNING THE RFP

Any questions concerning the RFP must be submitted in writing to the Contracting Officer representative at the contact location noted in blocks 7 and 10 of the Standard Form 33, *Solicitation, Offer and Award*. Offerors are cautioned against directing any questions concerning this RFP to technical personnel at the Naval Research Laboratory.

L-11 PROPOSAL ORGANIZATION

(1) Information for the technical/management proposal shall be placed in Volume I and be completely separate from the business proposal (Volume II).

(2) Proposal Format and Length - No attempt is made to restrict the proposal format and style. However, the proposal should be written and organized so as to be compatible with the RFP, the Statement of Work, company's organization and accounting structure, and proposed cost estimate. Offerors are encouraged to use recycled paper and maximize the use of double sided copying when preparing responses to solicitations.

L-12 VOLUME I - TECHNICAL/MANAGEMENT PROPOSAL

REQUIRED COPIES: 1 ORIGINAL AND 3 COPIES.

(a) Personnel Qualifications

Identify the proposed personnel and indicate the labor categories for which they are to be utilized. Describe the qualifications and experience of proposed personnel particularly as they relate to the Statement of Work (Attachment 1) and the Personnel Qualifications stated in Attachment (2). Resume(s) must be provided for all proposed key personnel.

(b) Corporate Experience/Management Plan

Provide a management plan demonstrating the (1) ability to manage and administratively support the effort under the contract, (2) the ability to recruit and retain qualified personnel, and (3) the ability to respond to program changes that may occur. Discuss corporate experience, in particular, similar efforts performed at a government or other client's site.

(c) Past Performance Information

(a) Offerors shall submit the following information as part of their proposal. (*Offerors are encouraged to submit the information prior to other parts of the proposal to assist the government in reducing the length of the evaluation period.*) List the last three (3) contracts or subcontracts completed by the offeror or predecessor companies during the past three (3) years for services similar in nature to this requirement. Include in the three (3) any current contracts or subcontracts for similar services that were awarded at least one year prior to the date of this solicitation. Offerors that have no similar previous or current contracts should provide the requested information for proposed subcontractors that will perform major or critical aspects of the requirement or for the proposed project manager or key personnel responsible for major or critical aspects of the requirement.

1. Name of contracting organization.
2. Contract number
3. Contract type
4. Total contract value
5. Description of the contract work
6. Contracting officer and telephone number
7. Contracting officer's representative, program manager, or similar official and telephone number

(b) Offerors shall contact the contracting organizations identified pursuant to paragraph (a) as soon as possible and request them to send past performance information on the identified contracts to the address in Block 7 of the face page of this solicitation. The past performance report which is available electronically in full text at <http://heron.nrl.navy.mil/contracts/home.htm> is to be provided to the contracting organization for this purpose. If the contracting organization has already collected past performance information on the contract pursuant to FAR Subpart 42.15, the format used to collect the information may be used instead of the past performance report.

(c) Offerors may include in their proposals specific information relating to problems encountered in performing the identified contracts and any corrective actions by the offeror. Offerors should not provide general information on their performance on the identified contracts as this will be obtained from the contracting organizations.

L-13 VOLUME II - BUSINESS PROPOSAL

REQUIRED COPIES: 1 ORIGINAL AND 3 COPIES

(1) COST PROPOSAL

The offeror shall submit a business proposal that includes a cost proposal with supporting information for each cost element consistent with offeror's cost accounting system. The supporting breakdown should include such elements as materials, direct labor, indirect cost, and other costs such as travel. The offeror shall provide exhibits as necessary to substantiate each cost element. Should rates be used in the proposal which are not DCAA approved, the offeror shall provide complete documentation and the rationale for their use at time of proposal submission. However, offerors are advised to use actual labor rates of proposed personnel as the basis for estimating labor costs when practicable.

(2) SMALL BUSINESS PARTICIPATION

(a) In addition to complying with the clause at FAR 52.219-9, Small Business Subcontracting Plan (JAN 2002) with its Alternate II (OCT 2001), proposals must include information to permit evaluation of the extent of participation of small businesses and historical black colleges or universities and minority institutions in performance of the contract. Participation to be identified may be in the form of a joint venture, teaming arrangement, or subcontract. Small business concerns that are not required by FAR 52.219-9 to submit a subcontracting plan must indicate the extent to which proposed joint ventures, teaming arrangements, or subcontracts are with historically black colleges or universities and minority institutions. Information provided should include the extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

(b) Proposals must also include information to permit evaluation of the extent of participation of small disadvantaged business concerns in performance of the contract. See the provision at FAR 52.219-24, Small Disadvantaged Business Participation Program--Targets (OCT 2000), and the clause at 52.219-25, Small Disadvantaged Business Participation Program--Disadvantaged Status and

Reporting (OCT 1999). Any targets will be incorporated into and become part of any resulting contract. Information provided should include the extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

L-14 TRAVEL AND MATERIAL ESTIMATES (FOR EVALUATION PURPOSES ONLY)

The travel and material estimates set forth must be included in each offerors cost proposal for evaluation purposes only. During the term of the contract, the contractor will be reimbursed actual and allowable travel and material expenses.

The Government estimates travel costs for this effort to be \$10,000 for the base award and \$10,000 for each option period, if exercised.

The Government estimates material costs for this effort to be \$250,000 for the base award and \$250,000 for each option period, if exercised.

SECTION M EVALUATION FACTORS FOR AWARD

M-1 EVALUATION

Award will be made to that offeror whose proposal is determined to be the best value to the Government, proposed cost and other factors considered. The Government reserves the right to make award to other than the low offeror. The technical considerations are more important than the cost factor. The closer the technical scores of the various proposals are to one another, the more important the cost considerations become. The Technical and Cost factors are each more important than the Small Business Participation factor.

M-2 EVALUATION FACTORS FOR AWARD

Proposals will be evaluated in accordance with the following criteria. The technical factor is more important than the price factor. Technical subfactors (1) and (2) are of equal importance and each is of greater importance than subfactor (3). The Small Business Participation subfactor is of less importance than the Cost factor.

(1) PERSONNEL QUALIFICATIONS

Proposed personnel will be evaluated on the degree to which they meet or exceed the desired experience, certifications, educational background stated in the Personnel Qualifications (Attachment 2) and ability to perform the tasks in the Statement of Work (Attachment 1).

(2) CORPORATE EXPERIENCE/MANAGEMENT PLAN

Corporate experience and the Management Plan will be evaluated on the knowledge and understanding of the technical tasks in the Statement of Work.

(3) PAST PERFORMANCE

Past performance will be evaluated on the extent of corporate experience in performing, accomplishing and managing projects related to the tasks in the Statement of Work.

The evaluation will be based on the information provided pursuant to Section L and other sources if available. The evaluation will take into account past performance information regarding predecessor companies, subcontractors that will perform major or critical aspects of the requirement, or the proposed project manager or key personnel responsible for major or critical aspects of the requirement. Offerors that have no relevant performance history or for which past performance information is not available will not be evaluated favorably or unfavorably on past performance. The government may begin proposal evaluation prior to receipt of past performance information. If, after completion of proposal evaluation except evaluation of past performance, the contracting officer determines that evaluation of past performance will not affect the outcome of competitive selection, the contracting officer may waive its evaluation in accordance with FAR 15.304(c)(3)(iv).

M-2-2 COST TO THE GOVERNMENT

Proposed estimated cost to the Government. The Government may adjust the proposed cost for purposes of evaluation based upon an evaluation of cost realism. Cost Realism means that the costs in an offeror's proposal are realistic for the work to be performed; reflect a clear understanding of the requirements; and are consistent with the various elements of the offeror's technical proposal. The cost realism evaluation includes an analysis of the adequacy of the hours, labor mix, and other direct costs to perform the work as proposed in the technical proposal as well as the proposed labor and indirect rates. It also includes evaluation of the likelihood that the risks inherent in the offeror's technical approach will result in higher actual costs than anticipated.

M-2-3 SMALL BUSINESS PARTICIPATION

(a) The extent of participation of small businesses and historically black colleges or universities and minority institutions in performance of the contract will be evaluated on the basis of the proposed extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

(b) The extent of participation of small disadvantaged business concerns in performance of the contract will be evaluated on the basis of the proposed extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

M-3 FAR 52.217-5 - EVALUATION OF OPTIONS (JUL 1990)

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

SHADWELL SUPPORT

BACKGROUND

The Naval Research Laboratory (NRL) conducts basic and applied R&D programs aimed at the solution of current and future Navy problems in the fields of combustion, fire extinguishment, fire research, damage control and atmospheric hazards. This research is performed by the Navy Technology Center for Safety and Survivability (NTCSS). The NTCSS has two (2) Fire Research facilities: one is located in Chesapeake Beach, Maryland and the other is located in Mobile, Alabama. The facility in Mobile is Code 6186 and is known as the Shipboard Scaling section. Code 6186 has an office on shore to support the Advanced Fire Research Laboratory - ex-USS Shadwell (LSD-15). The ex-Shadwell is moored at Little Sand Island and is accessible by small boat only. The shipboard facility investigates new concepts, agents, equipment and techniques for fire protection on surface ships, submarines, aircraft and shore facilities. This includes new approaches to developing fire extinguishing agents and means for applying them, developing means to mitigate smoke, development of new materials and construction techniques to facilitate Passive Fire Safety and developing computer based systems for fire fighting and damage control applications. Ex-Shadwell is also involved in developing doctrine and tactics with final proof of concept being accomplished with Fleet personnel.

In summary, the fire research conducted aboard ex-USS Shadwell requires contractor support, which is highly technical, diverse and responsive.

KEY TERMS

- Naval Research Laboratory (NRL) refers to the entity in the main campus in Washington DC.
- Navy Technology Center for Safety and Survivability (NTCSS) refers to a specific Center within NRL.
- NTCSS/Mobile refers to NTCSS in Mobile that has one office on the US Coast Guard Sector Mobile and the ex-USS Shadwell in Mobile Bay, Alabama.
- NTCSS/Mobile, Navy Tech Center and the Center are used interchangeably.
- Ex-Shadwell is known as the Advanced Fire Research Laboratory.
- Director, Navy Technology Center for Safety and Survivability is the Branch Head, NRL Code 6180.
- Associate Technical Director, ex-Shadwell, is the Section Head, NRL Code 6186.

1.0 ENGINEERING/TECHNICIAN MANPOWER SUPPORT

1.1 BACKGROUND

The NTCSS/Mobile has limited, full-time personnel onboard ex-Shadwell. The Associate Technical Director (ATD), a full-time Federal employee, operates and

oversees the daily activity of the facility. The onboard Research Engineer, a full-time Federal employee, performs research, plans and coordinates test schedules. A uniformed, active duty Navy Warrant Officer maintains the facility and responds to military related issues. Other Federal employees assigned to the facility include an electronics technician and interim science/engineering students from local Universities. The tasking for Shadwell requires support from a wide range of specialties.

1.2 SCOPE OF WORK

The contractor shall perform the tasks in accordance with the Statement of Work (SOW). Additionally, technical direction memorandums (TDM) may be prepared by the government, Contracting Officer Representative (COR), during the period of performance within the scope of SOW. The contractor shall provide support to perform independent assignments or be a part of the ship's work force.

1.3 TASK DESCRIPTION

- (a) The contractor shall support the development, preparation and execution of large-scale fire fighting and damage control research programs which involve feed-back control systems for application with installed shipboard systems to include, but not be limited to ventilation, fluid pipping, closure-settings, equipment operational status and ship ballasting condition.
- (b) The contractor shall keep the Associate Technical Director, ex USS SHADWELL or his designated representative and the COR informed and documented in writing instrumentation, equipment and system status requirements to fulfill scheduled test programs.
- (c) The contractor shall use design, construction and installation data to produce technical reports in support of NRL's mission to solve actual or potential problems within the fleet.
- (d) The contractor shall provide all engineering, technician and administrative personnel required to support and facilitate tasking.
- (e) The contractor shall keep the Associate Technical Director, ex-Shadwell, or his designated representative and the COR informed of all issues of development and manpower supports.

2.0 ADMINISTRATIVE/LOGISTICAL SUPPORT

2.1 BACKGROUND

The Mobile, Alabama section of the Navy Technology Center for Safety and Survivability must be capable of functioning separately of the Washington, D.C. location of the Naval Research Laboratory. To accomplish this tasking the NTCSS must have the ability to ship materials and equipment, receive shipments of materials and equipment, and procure materials, equipment and services in support of its research programs.

2.2 SCOPE OF WORK

The contractor shall perform the tasks in accordance with the Statement of Work (SOW). Additionally, technical direction memorandums (TDM) may be prepared by the government, Contracting Officer Representative (COR), during the period of performance within the scope of SOW. The contractor shall provide support to perform independent assignments or be a part of the ship's work force.

2.3 TASK DESCRIPTION

- (a) The contractor shall perform at both the shore side office and aboard ship.
- (b) The contractor shall develop and maintain all business and office records in accordance with Federal guidelines.
- (c) The contractor shall perform acquisition of material with federal guidelines, including such items as material data sheets accompanying chemicals.
- (d) The contractor shall receive (or pick up) any ordered material, and exchange or return when required.
- (e) The contractor shall deliver material from a delivered truck to the boat, if required.
- (f) The contractor may have to temporarily store chemical material while waiting for transport to the ship.
- (g) The contractor must tract shipping with carriers such as Federal Express, UPS and Post Office.

- (h) The contractor shall provide support for a receptionist on the behalf of the Center to receive/answer calls or refer calls to the ship and outside organizations.
- (i) The contractor shall keep all records of orders and ready for auditing at any time.

3.0 CONSTRUCTION ENGINEERING/SPECIAL PROJECT SUPPORT

3.1 BACKGROUND.

The Navy Technology Center for Safety and Survivability performs basic and applied R&D on fire related programs. In support of the fire fighting and damage control tasking, the Navy Technology Center operates the WWII vintage amphibious support ship ex-Shadwell. During its 19 years of operation, ex-Shadwell has been the site for a wide range of large-scale test programs. These efforts have supported a diverse range of both RDT&E and LFT&E programs to include support of future ship construction (CVN-78, DD(X), LHA(R), T-AKE), current ship construction (LPD-17, DDG, SSN), evaluations of currently installed systems and utilized equipment (Collective Protection System, Smoke Ejection System, P-250 replacement,) and techniques to make current and future ships safer, cost effective and more efficient (DC-ARM, Passive Fire Protection, intumescent coatings, fire barrier insulation, MADMAT flight deck covering, flight deck telerobotic fire fighting nozzles). In addition, special projects such as Automatic Ventilation of Shipboard Control and Fans Remote Control have been added.

3.2 SCOPE OF WORK

The contractor shall perform the tasks in accordance with the Statement of Work (SOW). Additionally, technical direction memorandums (TDM) may be prepared by the government, Contracting Officer Representative (COR), during the period of performance within the scope of SOW. The contractor shall provide support to perform independent assignments or be a part of the ship's work force.

3.3 TASK DESCRIPTION

- (a) The contractor shall provide support to define and execute program specific design, construction or modification tasking.

- (b) The contractor shall provide support to fulfill design and/or modification tasking aboard ex-Shadwell to meet programmatic requirements for funded research programs.
- (c) The contractor shall provide support to execute required construction evolutions, in an efficient and cost effective manner, to prepare ex-Shadwell for planned research programs. Typical skill sets include: rendering engineering drawings and schematics in AUTOCAD, welding, machinist, marine electrician, ship fitter, pipe fitter, and sheet metal craftsman. The contractor must provide support to perform plumbing, HVAC, AC/DC electrical distribution, hydraulics and marine architecture.
- (d) The contractor shall provide administrative support structure at the Mobile Alabama facility.
- (e) The contractor shall provide support to write or verbally present task proposals.
- (f) The contractor shall comply with all Federal, State, Local and NRL regulations and procedures. This includes, but not be limited to; ensuring training is received in CPR and First Aid, ensure all contract employees are certified for wearing respirators and hearing protection, ensure selected employees receive training in operation of the Center crane and fork lifts, ensure all contract employees are familiar with and adhere to all related components of the ex-USS SHADWELL Standard Operating Procedure.
- (g) The contractor shall ensure compliance with Federal Regulation regarding hazardous materials and safety. These requirements include, but are not limited to; lead, asbestos, confined space, fall protection, slip and trip, lock-out/tag-out and hearing protection IAW OPNAVINST 5510.23, NRLINST 5510.22, 29CFR1910.143.

4.0 REPORTS

The contractor shall provide reports in accordance with the DD1423 - Contract Data Requirements List (Exhibit A).

5.0 CONTRACTOR SAFETY REQUIREMENTS

The contractor shall comply with all Federal, State, Local and NRL regulations regarding personnel qualification and training for participation in Occupational Safety and Health

(OSH) Programs. This includes, but not limited to, ensuring training is received in CPR and First Aid, ensure all contract employees are medically qualified and certified to wear respirators and hearing protection, ensure selected employees are medically qualified, trained, and receive certification to operate the Center hydraulic crane and fork lifts, and ensure all contract employees are familiar with and adhere to all components of the ex-USS Shadwell Standard Operating Procedure (SOP).

The contractor shall ensure Hazardous Material Control and Management (HMC&M) program and OSH programs are in compliance with Federal, State, Local and NRL Regulations. These requirements include, but not limited to, HMC&M programs for lead asbestos, solvents, fuels, lubricants, coatings, and OSH programs for confined space, electrical systems, fall protection, slip and trip hazards, lock-out/tag-out, respiratory protection, eye protection, head protection, hand protection, foot protection, and hearing protection. The contractor is responsible for ensuring that personnel are equipped with and trained in the proper use of all task appropriate personal protective equipment (PPE). Use of Navy/NRL PPE is prohibited.

Compliance includes but not limited to OPNAVINST 5510.23, NRLINST 5510.22 and 29CFR1910.143. The contractor shall submit HMC&M and OSH report to the COR for review and approval. The contractor shall maintain a copy of the COR approved HMC&M and OSH programs report aboard the ex-USS Shadwell. The report shall be made available for periodic review by the ex-USS Shadwell Safety Officer within 24-hours of his written request. The contractor shall review the HMC&M and OSH program/reports and update any appropriate documentation at least annually.

CONTRACT DATA REQUIREMENTS LIST
(2 Data Items)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 0002	B. EXHIBIT A	C. CATEGORY: TDP _____ TM _____ OTHER <u>X</u>
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D. SYSTEM/ITEM 0001	E. CONTRACT/PR NO. 61-0342-06	F. CONTRACTOR
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1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM Quarterly Technical Report	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.) N/A	5. CONTRACT REFERENCE Entire SOW Para 4.0	6. REQUIRING OFFICE NRL Code 6180
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED N/A	10. FREQUENCY QRTLY	12. DATE OF FIRST SUBMISSION 90DAC	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION*	a. ADDRESSEE	b. COPIES	
					Draft	Final
						Reg
						Repro

16. REMARKS This report shall provide a brief summary of the current technology of the overall project, including pertinent observations, nature of technical problems, positive as well as negative results and design criteria established to this point. Where feasible, material should be prepared in such manner as to permit ready incorporation without changes into final report. The report shall include additions or alterations to the Shadwell and will be text and AUTOCAD, as appropriate. Provide COR paper and electronic version of report. * Every quarter thereafter - due last day of month.	15. TOTAL → 0 1 0
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A003	2. TITLE OF DATA ITEM Annual and Final Technical Reports	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.) N/A	5. CONTRACT REFERENCE Entire SOW Para 4.0	6. REQUIRING OFFICE NRL Code 6180
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7. DD 250 REQ DD	9. DIST STATEMENT REQUIRED N/A	10. FREQUENCY ITIME	12. DATE OF FIRST SUBMISSION *	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE *	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES	
					Draft	Final
						Reg
						Repro

16. REMARKS The report will identify technical work accomplished and information gained in performance of the contract, pertinent observations, nature of problems, positive as well as negative results, procedures and processes developed. The details of all technical work included shall be sufficient to permit full understanding of the techniques and procedures used in evolving technology or processes developed. The report shall include additions or alterations to the Shadwell and will be text and AUTOCAD, as appropriate. Provide paper and electronic version of reports. * Annual report provided to COR at the end of each contract year. Final report provided to COR and DTIC at the end contract performance.	15. TOTAL → 0 2 0
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY NRL Code 6180	H. DATE 9/28/06	I. APPROVED BY	J. DATE
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MINIMUM PERSONNEL QUALIFICATIONS

1. PROJECT MANAGER (PT)

Education: Must possess a Bachelor of Arts (BA) degree or a Bachelor of Science (BS) degree from an accredited college or university in Professional Engineering (PE)

and

Individual must have a minimum of five (5) years of experience in the following:

Managing programs to ensure that implementation and prescribed activities are carried out in accordance with specified objectives. Plans and develops methods and procedures for implementing program, directs and coordinates program activities, and exercises control over personnel responsible for specific functions or phases of program. Selects personnel according to knowledge and experience in area with which program is concerned. Confers with staff to explain program and individual responsibilities for functions and phases of program. Directs and coordinates personally, or through subordinate managerial personnel, activities concerned with implementation and carrying out objectives of program. Reviews reports and records of activities to ensure progress is being accomplished toward specified program objective and modifies or changes methodology as required to redirect activities and attain objectives. Prepares program reports. Controls expenditures in accordance with budget allocations. Must be able to manage government programs. Must have and/or be able to manage projects with a value of at least \$500K.

2. SUPERVISOR/ADMINISTRATOR (FT) -- (Key Personnel)

Education:

Must possess a Bachelor's degree from an accredited college or university with at least one (1) year of supervisory experience.

or

Must possess an Associates degree (Associate in Arts or Associate of Science) with at least two (2) years of acquisition, management, and supervisory experience.

In addition to one of the above:

Must be able to supervise and coordinate activities of workers. Studies schedules and estimates time, cost, and labor estimates for products, services, and/or completion of job assignments. Develops and implements methods and procedures for monitoring work activities, such as preparation of records of expenditures, progress reports, etc., in order to inform management of current status or work activities. Is required to be adept in activities of employees supervised.

and

Must have at least three (3) years of combined experience in all of the following:

Acquisition of material, equipment and rentals.

Fluent in the use of MS Word, MS Excel, internet and email.

Must be fluent in the English language.

Must possess good communication skills, written and oral, and interpersonal skills.

Must have experience in commercial shipping organizations and federal/state guidelines in regards to shipping material/equipment.

Must have forklift license in order to operate a shore forklift.

Must have a valid driver's license.

Must have experience involving general administrative functions and procedures within a unit or activity. Skill in development and dissemination of administrative directives, consolidation of reports, management of correspondence, records, and mail, and the preparation of personnel actions.

3. ENGINEER (PT)

Must possess a Bachelor's degree from an accredited college or university appropriate to U.S. Navy fire research, safety and survivability. Masters or higher highly desirable.

and

Must have knowledge and experience in computer networks, feed-back control systems, information/data transfer protocols (Lonworks and MODBUS) to design and make recommendations in developing future U.S. Navy shipboard information system applications, such as fire fighting and damage control taskings. Must have experience in the engineering disciplines of mechanical, electrical, computers and mathematics and physics.

4. ELECTRICIAN (PT)

Must have a minimum of ten (10) years of experience in marine electrical work. Must have experience in low and high voltage A/C and D/C electrical circuits, diesel generators, A/C and D/C electric motors and A/C and D/C lighting systems. Must have knowledge of applicable codes, safety regulations, and industry shipboard electrical work practices.

5. ELECTRONIC TECHNICIAN (FT)

Must have graduated from a Technical School in an electrician field of discipline. Must have a minimum of three (3) years experience in low voltage DC instrumentation, 110VAC instrumentation, dissimilar metal instrumentation, optical/infrared video, audio and computer networking.

6. STUDENT (FT)

Serves as a trainee acquiring a familiarity with the laboratory and/or field environment. The incumbent performs routine tasks and applies knowledge gained through work experience of possible alternatives which will aid in gaining desired results. Skill, knowledge, and judgment are required in arranging work sequences, adjusting and operating equipment, and recognizing significant deviations in results obtained.

7. STUDENT (PT)

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8. LABORER (PT)

Must have at least a high school diploma. Ability to follow appropriate work practices. Ability to interpret instructions, specifications, etc., (other than blueprints). Ability to operate with dexterity and safety. Ability to use and maintain tools and equipment.

9. PLUMBER (PT)

Must have the ability to do the work of the position without more than normal supervision and in conjunction with the Statement of Work. Ability to use and maintain tools and equipment. Must have knowledge of materials with the type of work associated with this requirement. Ability to interpret instructions, specifications, etc. Must have dexterity and perform free of work related accidents.

10. SHIP FITTER (PT)

Must have a minimum of three (3) years experience. Must have the ability to position the structural pieces of a ship for riveting and welding. Must be able to perform sheet-metal work and plumbing on board a ship.

11. WELDER (PT)

Must have a minimum of three (3) years experience performing all types of welding, construction and repair tasks. Must have the knowledge to safely and correctly perform all types of welding techniques. Must possess a high degree of manual skill and be able to focus on the task to meet difficult requirements for extended periods of time. Must have experience in controlling the metals and welding techniques to prevent distortion or burning of the metals to meet weld dimensions, tolerance strength and penetration requirements. Must have the capability of reading and understanding blueprints, safety and operating manuals sufficient to accomplish welding tasks. Must be familiar with all tools, equipment and materials used by welders. Must be able to do the work of the position without more than normal supervision.