

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING DO-C9	PAGE OF 1 28 PAGES
2. CONTRACT NO.	3. SOLICITATION NO. N00173-05-R-SE01	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)		5. DATE ISSUED 15 DEC 2004	6. REQUISITION/PURCHASE NO. 81-2000-05
7. ISSUED BY Procuring Contracting Office Naval Research Laboratory (NRL-SSC) Code 3235 Department of the Navy Stennis Space Center, MS 39529-5004		CODE N68462	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 4 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 Bldg 1007, RM 46, Stennis Space Center until 1530 local time 31 JAN 2005
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section I, Provision No. 52.214-7 or 52.215-10. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME Eric J. Sogard	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) 228-688-5980 email esogard@nrlssc.navy.mil
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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)	10 CALENDAR DAYS	%	20 CALENDAR DAYS	%	30 CALENDAR DAYS	%	CALENDAR DAYS	%
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 NO. (Include area code)	15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.		17. SIGNATURE
			18. OFFER DATE

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION
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)	
24. ADMINISTERED BY (If other than Item 7)	CODE	25. PAYMENT WILL BE MADE BY
26. NAME OF CONTRACTING OFFICER (Type or print)		27. UNITED STATES OF AMERICA
		28. AWARD DATE
(Signature of Contracting Officer)		

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 necessary personnel and facilities to accomplish the work as described in Section C.	\$	\$	\$
0002	Data in accordance with Exhibit A (DD 1423) and Attachment (1)	* 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 30 July 2004, which are hereby incorporated by reference. The full text is available at <http://heron.nrl.navy.mil/contracts/home.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

52.246-9 - 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 the date of contract award through a period of twelve (12) months. The period of performance for each option, if exercised, shall be for a period of twelve (12) months.

(b) The principal place of performance of this contract shall be the Naval Research Laboratory, 4555 Overlook Ave. S.W., Washington D.C.

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 administration of technical details within the scope of this contract and inspection and acceptance. 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 statements of work, a modification must be issued in writing and signed by the Contracting Officer. The COR is responsible for reviewing the bills and charges submitted by the Contractor and informing the ACO of areas where exceptions are to be taken.

(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 PAYMENT OF FIXED FEE

The fixed fee set forth in Section B of this contract shall be payable on completion of the work and services required under each CLIN of this contract and their acceptance on behalf of the Government. However, the contractor may bill on each voucher the amount of the fixed fee bearing the same percentage to the amount of cost billed as the total fixed fee bears to the total estimated cost set forth in Section B, subject to the contract clause entitled "Fixed Fee" (FAR 52.216-8). If the fixed fee is reduced pursuant to any clause or requirement of this contract and the reduced fee is less than the sum of all fee payments made to the contractor under this contract, the contractor shall repay the difference to the Government. The total fee paid the contractor shall not exceed the fixed fee set forth in Section B.

G-7 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-8 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-9 SPECIAL PAYMENT INSTRUCTIONS- MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS (COST-REIMBURSEMENT)

Payments shall be made in accordance with the ACRN(s) cited on the contractor's invoice. The Contractor may contact the COR regarding which ACRN(s) to cite on an invoice.

G-10 PAYMENT AND INVOICE INSTRUCTIONS (COST REIMBURSEMENT)**Submission of Invoices**

The contractor shall submit invoices and any necessary supporting documentation to the contract auditor at the following address:

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

Following verification, the contract auditor will forward the invoice to the designated payment office for payment in the amount determined to be owing, in accordance with the applicable payment (and fee) clauses(s) of this contract.

The contractor shall provide an information copy of each invoice submitted to the COR identified in Section G.

A DD Form 250 "Material Inspection and Receiving Report" is required.

The contractor's final invoice shall be identified as such, and shall list all other invoices (if any) previously tendered under this 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 shown in Block 12 of SF 26 instead of to the address shown above. Such authorization does not extend to the first and final vouchers. The contractor shall continue to submit first vouchers to the cognizant auditor shown above. The final voucher shall be submitted to the Administrative Contracting Officer (SF 26, Block 6) with a copy to the cognizant auditor.

**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

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 23,040 total hours of direct labor for the base year and 23,040 total hours of direct labor for each of the option years, 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 1,920 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:

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

or (ii) subject to the provisions of the clause of this contract entitled "Limitation of Cost," require the Contractor to continue to perform the work until the total number of hours of direct labor specified in paragraph (a) shall have been expended, at no increase in the fixed fee of this contract.

- (g) In the event the government fails to fully fund the contract in a timely manner, the term of the contract may be extended accordingly with no change to cost or fee. If the government fails to fully fund the contract, the fee will be adjusted in direct proportion to that effort which was performed.
- (h) Notwithstanding any of the provisions in the above paragraphs, the Contractor may furnish hours up to five percent in excess of the total hours specified in paragraph (a) above, provided that the additional effort is furnished within the term hereof, and provided further that no increase in the estimated cost or fixed fee is required, and no adjustment in the fixed fee shall be made provided that the Contractor has delivered at least 95% of the level of effort required in paragraph (a) above.
- (i) It is understood that the mix of labor categories provided by the Contractor under the contract, as well as the distribution of effort among those categories, may vary considerably from the initial mix and distribution of effort which was estimated by the government or proposed by the Contractor.
- (j) Nothing herein shall be construed to alter or waive any of the rights or obligations of either party pursuant to the Clause entitled "Limitation of Costs" or "Limitation of Funds," either of which clauses as incorporated herein applies to this contract.
- (k) The anticipated breakdown by labor category of the total level of effort is as follows:

<u>Labor Category</u>	<u>Hours</u>
Project Manager	1,920
Project Engineer	1,920
Senior Engineer	1,920
Lead ELINT Researcher	1,920
ELINT Analyst	1,920
Test Engineer/Operator	1,920
Senior Electrical Technician	1,920
Electrical Technician	3,840
Project Software Engineer	1,920
Software Programmer	3,840
Total	23,040

H-4 ONR 5252.235-9714 - REPORT PREPARATION (FEB 02)

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 Z39.18-1995, 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 ax: 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

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

Second Option

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

Third Option

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

Fourth Option

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.

H-8 REPRESENTATIONS AND CERTIFICATIONS

The Contractor's completed Representations, Certifications, and Other Statements of Offerors or Respondents is incorporated herein by reference in any resultant award.

H-9 SUBCONTRACTING PLAN

The contractor's Comprehensive Small Business Subcontracting Plan is incorporated into this contract in accordance with DFARS SUBPART 219.7 *Test Program for Negotiation of Comprehensive Small Business Subcontracting Plans*.

**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.arnet.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 (JUL 1995)
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 (JUN 2003)
52.204-2	- Security Requirements (AUG 1996)
52.204-4	- Printed Or Copied Double-Sided On Recycled Paper (AUG 2000)
52.209-6	- Protecting The Government's Interest When Subcontracting With Contractors Debarred, Suspended, Or Proposed For Debarment (JUL 1995)
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 money</i>)
52.215-18	- Reversion Or Adjustment Of Plans For Post-Retirement Benefits (PRB) Other Than Pensions (OCT 1997)
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 <u>30th</u>)
52.216-8	- Fixed-Fee (MAR 1997)

- 52.219-4 - Notice Of Price Evaluation Preference For HUBZone Small Business Concerns (OCT 2004) Offeror elects to waive the evaluation preference.
- 52.219-6 - Notice Of Total Small-Business Set-Aside (JUN 2003) - Alternate I (OCT 1995)
- 52.219-8 - Utilization Of Small Business Concerns (MAY 2004)
- 52.219-9 - Small Business Subcontracting Plan (JAN 2002) - Alternate II (OCT 2001)
- 52.219-16 - Liquidated Damages-Subcontracting Plan (JAN 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)
- 52.222-20 - Walsh-Healey Public Contracts Act (DEC 1996)
- 52.222-21 - Prohibition Of Segregated Facilities (FEB 1999)
- 52.222-26 - Equal Opportunity (APR 2002)
- 52.222-29 - Notification Of Visa Denial (JUN 2003)
- 52.222-35 - Equal Opportunity For Special Disabled Veterans, Veterans Of The Vietnam Era, And Other Eligible Veterans (DEC 2001)
- 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 (DEC 2001)
- 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)
- 52.225-5 - Trade Agreements (OCT 2004)
- 52.225-13 - Restrictions On Certain Foreign Purchases (JAN 2004)
- 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)
- 52.227-10 - Filing Of Patent Application- Classified Subject Matter (APR 1984)
- 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)
- 52.230-5 - Cost Accounting Standards - Educational Institutions (APR 1998)
- 52.230-6 - Administration Of Cost Accounting Standards (NOV 1999)
- 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)
- 52.237-3 - Continuity Of Services (JAN 1991)
- 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 (AUG 1998)
- 52.244-5 - Competition In Subcontracting (DEC 1996)
- 52.244-6 - Subcontracts For Commercial Items (JUL 2004)
- 52.245-5 - Government Property (Cost-Reimbursement, Time-And-Material, Or Labor-Hour Contracts) (JUN 2003) (DEVIATION)
- 52.245-18 - Special Test Equipment (FEB 1993)
- 52.245-19 - Government Property Furnished "As-Is" (APR 1984)
- 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 (APR 1984)
- 52.247-63 - Preference For U. S. Flag 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 (MAR 1999)
- 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)
- 252.204-7005 - Oral Attestation Of Security Responsibilities (NOV 2001)
- 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)
- 252.215-7000 - 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)
- 252.223-7004 - Drug-Free Work Force (SEP 1988)
- 252.223-7006 - Prohibition On Storage And Disposal Of Toxic And Hazardous Materials (APR 1993)
- 252.225-7001 - Buy American Act And Balance Of Payments Program (APR 2003)
- 252.225-7002 - Qualifying Country Sources As Subcontractors (APR 2003)
- 252.225-7012 - Preference For Certain Domestic Commodities (JUN 2004)
- 252.225-7013 - Duty Free Entry (JAN 2004)
- 252.225-7031 - Secondary Arab Boycott Of Israel (APR 2003)
- 252.225-7043 - Antiterrorism/Force Protection Policy For Defense Contractors Outside The United States (JUN 1998) (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 (JAN 2004)
- 252.235-7010 - Acknowledgment Of Support And Disclaimer (MAY 1995)
- 252.235-7011 - Final Scientific Or Technical Report (NOV 2004)
- 252.242-7000 - Post Award Conference (DEC 1991)
- 252.242-7004 - Material Management And Accounting System (DEC 2000)
- 252.243-7002 - Requests For Equitable Adjustment (MAR 1998)
- 252.244-7000 - Subcontracts For Commercial Items And Commercial Components (DOD Contracts) (MAR 2000)
- 252.245-7001 - Reports Of Government Property (MAY 1994)
- 252.246-7001 - Warranty Of Data (DEC 1991)
- 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 (OCT 2002)

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 - 4 Pages, With Exhibit A - DD Form 1423, Contract Data Requirements List, 4 Pages.
- J-2** Attachment (2) – Personnel Qualifications, 4 Pages.
- J-3** Attachment (3) - DD Form 254, Contract Security Classification Specification, Ser *, Dated * w/Attachments 2 Pages.
- J-4** Attachment (4) – 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

Each Offeror must submit a completed 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 Representations and Certifications: A

K-2 FILL IN FOR FAR 52.219-1 - SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002)

The fill in information is as follows:

The NAICS code for this acquisition is 541330

The small business size standard is \$4M.

**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.arnet.gov/far>

<http://heron.nrl.navy.mil/contracts/home.htm>

FAR CLAUSE TITLE

52.204-6	-	Data Universal Numbering System (DUNS) Number (OCT 2003)
52.204-7	-	Central Contractor Registration (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)
52.237-10	-	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)

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 to:

Contracting Officer, ATTN: Code 3235
Naval Research Laboratory – SSC (NRL-SSC)
Department of the Navy
Stennis Space Center, MS 39529-5004

Solicitation/RFP No.: N00173-05-R-SE01

Closing Date: 31 JAN 2005 Time 1530

Proposals may be hand delivered to the Contracting Office, NRL, Stennis Space Center, MS 39529-5004, Building 1007, Room 46 between the hours of 8AM until 3:30PM, local time, excluding weekends and federal holidays. NRL is a controlled-access facility. Photo identification will be required. Report first to South Gate, Visitor Control for access to NRL. After receiving a Visitor Pass, proceed directly to Building 1007, Room 46, 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.

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:

See Section L-13
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 (AUG 1996)

(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 General Accounting 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 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 at the location noted in blocks 7 and 9 of the Standard Form 33, "Solicitation, Offer and Award," or to e-mail address esogard@nrlssc.navy.mil, no less than fifteen (15) days before closing. The Government will not consider questions received after this date. 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 4 COPIES.

(1) Include a matrix indicating proposed labor hours by skill category in accordance with the level of effort breakdown identified in Section H-3. This matrix shall not contain labor rates or any other indication of price.

(2) The following information is required for evaluation of your technical/management :

PERSONNEL QUALIFICATIONS – The offeror shall provide evidence that it has, or has the ability to obtain, personnel with relevant experience in the scientific and technical areas described in the Statement of Work, Attachment (1) and Personnel Qualifications, Attachment (2). These areas are highly specialized fields and personnel without actual experience in these areas are not acceptable. The offeror should clearly show how each person offered meets the personnel qualifications as detailed in the solicitation. The offeror should detail each person's qualifications and experience in each area as appropriate for the position proposed. It is essential for the offeror to demonstrate that personnel possess or will be capable of possessing the required security clearances in accordance with Attachment (3) DD Form 254 Contract Security Classification Specification. The proposal should specify the amount of effort each person will be performing on this contract by the prime contractor as well as any proposed subcontractors.

COMPANY EXPERIENCE/RESOURCES – The offeror shall provide a narrative description of company experience on projects with scientific, development, engineering, promotion and technical tasks similar to those required in the Statement of Work. This description should clearly show the correlation between the company's experience and the tasks required under the Statement of Work and prior or current programs in the task areas. The offeror should provide detail of prior and or current similar or related programs by identifying contracting agency, period of performance and a summary of the nature of the work. The offeror should also describe and document those resources which the firm will make available to this project, including, but not limited to, financial resources, research and development facilities and equipment or any other technical or scientific resources offered to meet the Government's requirements as stated in Section C of this solicitation.

MANAGEMENT – The offeror shall provide a narrative description of the proposed management approach (including quality improvement initiatives) for accomplishing the tasks specified in the Statement of Work. The proposal should clearly demonstrate: (a) the corporate structure, the relationship between the organizations elements and their respective responsibilities that will participate in accomplishing the government's requirement. This includes: internal management communications; lines and methods of maintaining close liaison with the COR; and methods both program and immediate work site supervision (b) any proposed subcontracts and extent of involvement in performance of this contract and a management plan detailing how each subcontractor will be integrated into the overall management approach to ensure contract objectives are satisfied (c) ability of management to respond to workload fluctuations in a timely manner (d) reporting systems available for monitoring qualitative and quantitative aspects of contract performance including financial monitoring and reporting (e) start-up plan to fully perform within 30 days of contract award.

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 five contracts or subcontracts completed by the offeror or predecessor companies during the past three years for services similar in nature to this requirement. Include in the five 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 2 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) MATERIALS – FOR EVALUATION PURPOSES ONLY

The offeror shall include a "Material" estimate of \$150,000.00 per year for materials, supplies and equipment to be procured in the performance of this contract. This "Materials" estimate includes parts, components and supplies which are expected to be incorporated into end products or expended during performance.

(3) TRAVEL – FOR EVALUATION PURPOSES ONLY

The offeror shall include a "Travel" estimate of \$50,000.00 per year for travel and subsistence involved in performance of this effort.

(4) 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.

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 cost factor. The technical factors are listed in the following order of importance; (1) Personnel Qualifications, (2) Company Experience and (3) Management and Past Performance which are of equal importance.

M-2-1. TECHNICAL/MANAGEMENT

(1) PERSONNEL QUALIFICATIONS

The proposals will be evaluated on the offeror's demonstrated ability to provide personnel with (a) the appropriate qualifications set forth in Attachment (2) – Personnel Qualifications; (b) actual relevant experience in the scientific and technical areas set forth in Attachment (1) – Statement of Work; and (c) the ability to obtain an appropriate security classification prior to commencing work.

(2) COMPANY EXPERIENCE/RESOURCES

The proposal will be evaluated on; (a) the offeror's demonstrated company experience in performing projects requiring scientific, development, engineering, promotion and technical effort which are closely similar or related to those required in the Statement of Work, (b) detail of prior and or current similar or related programs by identifying contracting agency, period of performance and a summary of the nature of the work and (c) company resources available to this effort.

(3) MANAGEMENT

The proposal will be evaluated on the offeror's demonstrated description of the proposed management approach, including quality improvement initiatives, for accomplishing the tasks specified in the Statement of Work. The proposal should clearly demonstrate: (a) the corporate structure, and relationship between the organizations elements and their respective responsibilities that will participate in accomplishing the government's requirement. This includes: internal management communications; lines and methods of maintaining close liaison with the COR; and methods both program and immediate work site supervision (b) any proposed subcontracts and extent of involvement in performance of this contract and a management plan detailing how each subcontractor will be integrated into the overall management approach to ensure contract objectives are satisfied (c) ability of management to respond to workload fluctuations in a timely manner (d) reporting systems available for monitoring qualitative and quantitative aspects of contract performance including financial monitoring and reporting and (e) start-up plan to fully perform within 30 days of contract award.

(4) PAST PERFORMANCE

Past performance will be evaluated on the basis of the quality of the work performed, timeliness of performance, cost control, and business relations. 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.

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).

STATEMENT OF WORK

1.0 Introduction

The Naval Research Laboratory is involved in a wide range of technical activities that include basic research, advance concepts development, promotion of innovative technology, design, fabrication and testing of complex systems (including hardware and software), and detailed analyses. More specific areas of interest include proof of concept design and fabrication, demonstration of innovative solutions of a wide area remote sensing, surveillance of world's oceans, and systems analysis.

2.0 Scope

The contractor shall provide scientific analyses, engineering design and development, systems design and development, hardware and software implementations of designs. The contractor shall participate in the promotion of designs, systems, and techniques with the Sponsors and potential Sponsors. Design implementations include hardware procurements and fabrication, software products, incorporation of commercial-of-the-shelf (COTS) or commercially procured components and subsystems when prudent, integration into existing systems, testing, interfacing and documentation. Task deliverables will consist of documentation, data, equipment, and materials according to the task statement and the Contract Data Requirements List (CDRL) of the base contract. Documentation may include schematics, flow diagrams, test data, analyses, parts lists, specification sheets, source code, vendor information, operation manuals, concepts of operation, research of related systems and components. Projects will include research on remote sensing of the world's oceans, complex receiving and transmitting systems, and systems architecture engineering needed for continued advancements in space, air and terrestrial systems, and related technology development.

The following task areas and descriptions specify the nature of the efforts, which are to be performed primarily in laboratory spaces made available at the Naval Research Laboratory Main Site, Washington, DC and at field sites that are arranged by the Contracting Officer's Technical Representative. Some data collection and equipment evaluation and demonstration tasks may take place at other locations including CONUS and overseas locations, vendor and Sponsor Facilities, and operational platforms.

3.0 Requirements

The Contractor shall perform work assignments and provide all necessary personnel to accomplish the work described below.

3.1 Task 1 – Data Analysis and Evaluation

The contractor shall provide analysis and evaluation of various forms of intelligence data such as but not limited to electronic intelligence (ELINT), communications intelligence (COMINT), measurement and signals intelligence (MASINT), Signals Intelligence (SIGINT) imagery intelligence (IMINT), and acoustics intelligence (ACINT). Specific duties shall include, but may not be limited to, analyses, evaluation and documentation of experimental, demonstration, and operational data collected by current and future research activities; manual extraction of data from collected data sets; statistical analysis of parameters; data correlation from multiple data sources; evaluate multi-source data for consistency and value; design new data evaluation methodologies and tools; and support implementation and test developed methodologies and tools. Reporting for this task includes but is not limited to Engineering Technical Reports/Software and Documentation in accordance with Exhibit A, Data Item A002.

3.2 Task-2 Advanced Sensor Fusion and Prototyping

The Contractor shall conduct research and shall plan, architect, design, develop, integrate and operate systems (hardware and software) that include, but may not be limited to, providing proof of concept demonstrations for detecting, classifying, and tracking hundreds of surface ships simultaneously through the use of multi-sensor fusion techniques. Reporting for this task includes but is not limited to Engineering Technical Reports/Software and Documentation in accordance with Exhibit A, Data Item A002.

3.3 Task 3 – System Development, Integration, and Test

The Contractor shall provide planning, design, fabrication, integration and testing, and operation of both hardware and software to exploit intelligence collection and fusion techniques. This effort shall include, but may not be limited to the development of airborne, ship-borne, and land-based equipment and systems (hardware and software); ground-based and airborne testing; installation and de-installation of equipment; collection, storing, retrieval, and evaluation of test data; performing trouble-shooting and repair, routine maintenance, and ordering and replacement of equipment or components. Reporting for this task includes but is not limited to Engineering Technical Reports/Software and Documentation in accordance with Exhibit A, Data Item A002.

3.4 Task 4 – Data Collection, Test Support and Equipment Operation

The Contractor shall perform on-site data collection, storage and retrieval, and engineering functions to provide all source data of targets of interest. Experiments and exercises are to be conducted within and outside the CONUS with periods of up to eight or more weeks per test. In addition, an on-going data collection/test-bed effort is currently being conducted at the NRL Chesapeake Bay Detachment (CBD) field site. The Contractor shall plan and execute data collection experiments and feasibility tests at this location. Contract support activities shall include, but are not limited to, experiment engineering; definition of resource requirements; test planning to include test objectives and goals, methodology, and software scripts; test site surveys; collection site and equipment planning activities; logistics support; equipment configuration and operator training; equipment operation; data collection and storage from land, sea or air platforms; and documentation of experiment conduct, collected data, equipment configuration, specifications, procedures, and sparing requirements.

Reporting for this task includes but is not limited to Engineering Technical Reports/Software and Documentation, Study and Exercise Plans and Study, Exercise and Experiment Reports, in accordance with Exhibit A, Data Item A002, A003 and A004 respectively.

3.5 Task 5 - Quick Reaction Capability (QRC) Feasibility Studies

The Contractor shall provide QRC feasibility analyses and studies in specific space technology research areas as well as related to the other tasks described in this document. The Contractor shall perform technical analyses, trade studies, risk analyses, and shall document and present recommendations. Reporting for this task includes but is not limited to Study, Exercise and Experiment Reports in accordance with Exhibit A, Data Item A004.

3.6 Task 6 – Program Management Support

The Contractor shall provide program management support for execution of development of all task capabilities through management, control and reporting functions necessary to manage, direct, control and track accomplishments of the SOW efforts. This support includes, but is not limited to, preliminary project planning; research, author, and present concepts of operation (CONOPS), project scheduling, budgeting, and estimation of resource requirements; development of basic briefing materials and briefing materials that support the promotion of the innovative technologies developed during the duration of this contract; monitoring of project execution; risk analyses and issue resolution planning; and support technical meetings with project management, sponsors, development contractors and the Contracting Officer's Representative (COR).

4.0 CONTRACT DELIVERABLES

The Contactor shall provide deliverables in accordance with Exhibit A, DD1423 Contract Data Requirements List.

- 4.1** Status and Financial Reports shall be submitted monthly addressing the progress, hours, and money expended for each task worked. (CDRL A001)
- 4.2** Engineering Technical Reports shall be submitted as required from all tasks. (CDRL A002)
- 4.3** Study/Exercise Plans shall be submitted at least 45 days before the start of data collection exercise. (CDRL A003)
- 4.4** Study/Exercise/Experiment Reports shall be submitted within 120 days after completion of a data collection, study, experiment. (CDRL A004)
- 4.5** Briefing Materials shall be submitted as required from all tasks to promote, inform, or report on tasks covered by this contract. (CDRL A005)
- 4.6** Final Report shall be submitted within sixty days after completion of the contract. (CDRL A006)

CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

Form Approved
OMB No. 0704-0188

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 this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. 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 _____																																																																																	
D. SYSTEM / ITEM			E. CONTRACT / PR NO.		F. CONTRACTOR																																																																																
1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM Monthly Status & Financial Report			3. SUBTITLE																																																																																	
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE Para 4.0 of SOW		6. REQUIRING OFFICE COR (See Section G-2)																																																																																
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8. APP CODE		11. AS OF DATE See Blk 16	13. DATE OF SUBSEQUENT SUBMISSION 5th Day of Month		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">a. ADDRESSEE</td> <td colspan="3" style="text-align: center;">b. COPIES</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">Draft</td> <td colspan="2" style="text-align: center;">Final</td> </tr> <tr> <td colspan="2"></td> <td></td> <td style="text-align: center;">Reg</td> <td style="text-align: center;">Repro</td> </tr> </table>	a. ADDRESSEE		b. COPIES					Draft	Final					Reg	Repro																																																																	
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Report to include overall labor expenditures, labor hours, materials and travel expenses to date and current month. Spending forecast and balance between expenditures to date and funding authorization limit. Narrative of progress.																																																																																					
To be submitted on the 5th day of the first full month after contract award and every 5th day of the month thereafter. Shall be in Contractor's format as approved by the COR and may be included with the On-Site Labor Report, Data Item A0007.																																																																																					

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A002		2. TITLE OF DATA ITEM Engineering Technical Reports/Software and Documentation			3. SUBTITLE																																																																											
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE Para 4.0 of SOW		6. REQUIRING OFFICE COR (See Section g-2)																																																																											
7. DD 250 REQ DD250	9. DIST STATEMENT REQUIRED	10. FREQUENCY See Blk 16	12. DATE OF FIRST SUBMISSION See Blk 16		14. DISTRIBUTION																																																																											
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As required by the COR. Shall be in Contractor's format as approved by the COR.																																																																																
Any software modified or designed under this contract shall be delivered as required by the COR and shall include; computer programs, object, source and executable code and final user documentation.																																																																																

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY NRL-SSC Code 3235		H. DATE	I. APPROVED BY		J. DATE
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CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

Form Approved
OMB No. 0704-0188

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 this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. 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 _____	
D. SYSTEM / ITEM		E. CONTRACT / PR NO.		F. CONTRACTOR	
1. DATA ITEM NO. A003	2. TITLE OF DATA ITEM Study/Exercise/Experiment Plans			3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE Para 4 of the SOW		6. REQUIRING OFFICE COR (See Section G-2)	
7. DD 250 REQ LT	8. DIST STATEMENT REQUIRED	10. FREQUENCY See Blk 16	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION	
8. APP CODE	11. AS OF DATE See Blk 16	13. DATE OF SUBSEQUENT SUBMISSION See Blk 16	a. ADDRESSEE	b. COPIES	
16. REMARKS Shall include details of the study, exercise or experiment; how it will be accomplished, equipment required and estimated cost. Plan shall be in the Contractor's format as approved by the COR.				Draft	Final
					Reg
			15. TOTAL		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A004		2. TITLE OF DATA ITEM Study/Exercise/Experiment Reports		3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE Para 4.0 of SOW		6. REQUIRING OFFICE COR (See Section G-2)	
7. DD 250 REQ DD250	8. DIST STATEMENT REQUIRED	10. FREQUENCY See Blk 16	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION	
8. APP CODE	11. AS OF DATE See Blk 16	13. DATE OF SUBSEQUENT SUBMISSION See Blk 16	a. ADDRESSEE	b. COPIES	
18. REMARKS Shall include technical summary of studies, exercises and experiments. As required, shall be in the Contractor's format as approved by the COR.				Draft	Final
					Reg
			15. TOTAL		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY NRL-SSC Code 3235		H. DATE	I. APPROVED BY		J. DATE
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PERSONNEL QUALIFICATIONS

General Comments:

These general comments apply to all positions. Since the requirements of this contract are for a small group of individuals, extreme specialization in any one area is generally less desirable than a degree of flexibility in accomplishing the tasks and providing the appropriate deliverables. All positions may require some travel both CONUS and overseas. With the possible exception of the Operator, it is not anticipated that the travel would exceed more than three weeks at a time, with several additional short trips (2-4 days) per year. With exception of the ELINT Analysis position, all positions require the individual to be in good health with no physical handicap since the duties require getting into small spaces to install or repair equipment, lifting moderate weight (up to 35 lbs.), working in and around aircraft and moving over rough terrain (depending on location). All positions will require the individual to either already hold SCI clearances or be eligible for them.

Labor Categories and Qualifications:

The following paragraphs set forth the minimum requirements deemed necessary to perform the tasks set forth in the Statement of Work. The Contractor shall be capable of providing the personnel as directed by the Contracting Officer's Representative (COR) according to level-of-effort requirements in the following labor categories and with the experience indicated. Those personnel designated, as "key" shall be available for work efforts on the first day after contract award. Furthermore, key personnel must possess a Secret clearance at the time of contract award and are subject to the provisions listed in Section H-2 of the solicitation. All proposed personnel must be capable of obtaining a Secret clearance.

Project Manager (PM): (Key Personnel)

Shall as a minimum possess a B.S. degree from an accredited university with at least ten years experience managing large technical projects. Demonstrated familiarity with ELINT, TRAP-related reports and associated systems is required. The PM must be experienced with coordinating exercises among multiple organizations. The PM shall be able to assist in the promotion of these efforts with sponsors and potential sponsors. Contracts and working relationships at high DOD and DON levels is highly desired.

Project Engineer: (Key Personnel)

Shall as a minimum possess at least ten years of demonstrable analytical and practical experience in electrical engineering topics including: shore based and aircraft based ELINT collection techniques and systems, installation of equipment on fleet aircraft and shore-based locations, National systems, Chokepoint Monitoring Systems (CMS), Channel Collection Systems (CCS), interferometers, time-difference-of- arrival (TDOA) systems, antennas, antenna positioners/rotars, RF (from DC to millimeter wave including transmitters and receivers, operation and familiarity of test equipment, design, development, fabrication, test and integration, and repair), circuit design (analog and digital), radar, and documentation. Experience in optical, computer and acoustic systems is highly desirable. Management experience must be demonstrable to show ability to manage a technical team's efforts.

Senior Engineer:

Shall as a minimum possess with at least ten years of demonstrable analytical and practical experience in electrical engineering topics including: shore-based and aircraft-based ELINT collection techniques and systems, installation of equipment on fleet aircraft and shore-based locations, National systems, Chokepoint Monitoring Systems (CMS), Channel Collection Systems (CCS), interferometers, time-difference-of- arrival (TDOA) systems, antennas, antenna positioners/rotators, RF (from DC to millimeter wave including transmitters and receivers, operation and familiarity of test equipment, design, development, fabrication, test and integration, and repair), circuit design (analog and digital), radar, and documentation. Experience in optical, computer and acoustic systems is highly desirable.

Lead ELINT Researcher/Analyst: (Key Personnel)

Shall as a minimum possess at least 10 years of experience in data collection, processing analysis and equipment operation as it applies to ELINT systems. Experience is also required in the preparation and execution of test plans, reporting test results, and coordination with product users. The Candidate must have experience with using as a minimum the Gale Lite ELINT analysis tools. Candidate must have field experience in performing site surveys, logistic support, setting up on site exercise requirements and perform on site training at organizations who will make organic resources available to the exercises conducted there.

ELINT Analyst:

Shall as a minimum possess at least five years of experience in data collection, processing analysis and ELINT correlation and equipment operation as it applies to ELINT systems. The ability to use ELINT Correlation and analysis systems such as Gale Lite is desirable. Experience is desired in the preparation and execution of test plans, reporting test results, coordination with product users, have field experience in performing site surveys, logistic support, setting up on site exercise requirements and perform on site training at organizations who will make organic resources available to the exercises conducted there.

Quick Reaction Capability (QRC) Feasibility Studies and Experiments:

The specific categories and level of effort required is initially indeterminate; however, the personnel anticipated to be required could be drawn from the other tasks under this contract. For bid purposes, the contractors should assume that from zero to three people will need to be made available on four weeks notice to support ad hoc tasks that will be defined just prior to their assignment.

Test Engineer/Operator:

This individual does not need to be a degreed engineer, however, shall as a minimum possess experience and familiarity with ELINT collection equipment. The individual must show computer literacy, and the ability to work, at times, independently without supervision. This individual will also be required to assist engineers and technicians in the installation/maintenance of equipment, computer database entries and maintenance. Since the operator's position requires the collection of data, some extended travel (2-3 months possible) may be required, including CONUS and overseas.

Senior Electronic Technician:

Shall as a minimum possess five years experience (more is desirable) as an electronic technician. This individual is required to be a "Jack of all Trades" in that they must be able to demonstrate the ability to: read and understand schematics and fabricate circuit boards, interface units, RF cables, repair custom made and commercial equipment, fabricate and install enclosures for equipment, document items under development, fabricate bracket/cable trays, set-up equipment "vans", radar systems and antennas. This individual must show the ability to use sophisticated test equipment including: spectrum analyzers, network analyzers, oscilloscopes (digital and analog), RF power meters, time domain reflect meters (TDRs) and less sophisticated test equipment such as multimeters, power supplies, and RF synthesizers. The individual must show computer literacy and be able to use spreadsheets, databases, basic CAD for circuit layouts, and documentation software including Microsoft Office. This individual is not expected to be a "programmer" only a user of the software. However, the ability to set automated tests is desirable. The individual is required to make "buy vs. make" decisions and whether to design/fabricate in-house vs apply COTS (Commercial-of-the-Shelf) technology.

Electronic Technician:

Shall as a minimum possess five years experience (more is desirable) as an electronics technician. This individual is must be able to demonstrate the ability to: read and understand schematics and fabricate low complexity circuit boards, interface units, RF cables, repair custom made and commercial equipment, fabricate and install enclosures for equipment, document items under development, fabricate bracket/cable trays, set-up equipment "vans", radar systems and antennas. This individual understanding and ability to use sophisticated test equipment including: spectrum analyzers, network analyzers, oscilloscopes (digital and analog), RF power meters, time domain reflect meters (TDRs) and less sophisticated test equipment such as multi-meters, power supplies, and RF synthesizers is highly desired. The individual must show computer literacy and be able to use spreadsheets, databases, and documentation software including Microsoft Office. This individual is not expected to be a "programmer" only a user of the software. However, the ability to set automated tests is desirable.

Project Software Engineer/Computer Scientist: (Key Personnel)

Shall as a minimum possess a BS degree from an accredited university with a minimum of 10 years of experience in the fields of systems engineering, software development, program management, the geolocation and deinterleaving of radar pulses, signal processing and the development of land-based, ship borne and air borne distributed systems. The individual must have extensive experience with choke point monitoring and Story Finder hardware and software. The individual must have experience with data collection, remote operations and real time instrument control and cueing. The individual must have extensive experience with UNIX and LINUX based machines and the C and C++ programming languages.

Software Programmer:

Shall as a minimum possess a minimum of 5 years of experience in the fields of software development. The individual must have extensive experience with UNIX and LINUX based machines and the C and C++ programming languages. A BS degree from an accredited university is desirable. Experience with the geolocation and deinterleaving of radar pulses, signal processing, ELINT and the development of land-based, ship borne and air borne distributed systems is highly desirable. Also it is desirable that the individual must have experience with choke point monitoring and Story Finder ELINT hardware and software and experience with data collection, remote operations and real time instrument control and cueing

DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>				1. CLEARANCE AND SAFEGUARDING a. FACILITY CLEARANCE REQUIRED <div style="text-align: center;">SECRET</div> b. LEVEL OF SAFEGUARDING REQUIRED <div style="text-align: center;">SECRET</div>			
2. THIS SPECIFICATION IS FOR: <i>(X and complete as applicable)</i>			3. THIS SPECIFICATION IS: <i>(X and complete as applicable)</i>				
a. PRIME CONTRACT NUMBER		<input checked="" type="checkbox"/>		a. ORIGINAL <i>(Complete date in all cases)</i>		DATE (YYYYMMDD)	
b. SUBCONTRACT NUMBER				b. REVISED <i>(Supersedes all previous specs)</i>		REVISION NO.	
c. SOLICITATION OR OTHER NUMBER		DUE DATE (YYYYMMDD)		c. FINAL <i>(Complete Item 5 in all cases)</i>		DATE (YYYYMMDD)	
4. IS THIS A FOLLOW-ON CONTRACT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO. If Yes, complete the following: Classified material received or generated under <u>N000173-98-R-SE05</u> <i>(Preceding Contract Number)</i> is transferred to this follow-on contract.							
5. IS THIS A FINAL DD FORM 254? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: In response to the contractor's request dated _____, retention of the classified material is authorized for the period of _____							
6. CONTRACTOR <i>(Include Commercial and Government Entity (CAGE) Code)</i>							
a. NAME, ADDRESS, AND ZIP CODE			b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>		
FOR RFP PURPOSES ONLY							
7. SUBCONTRACTOR							
a. NAME, ADDRESS, AND ZIP CODE			b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>		
8. ACTUAL PERFORMANCE							
a. LOCATION			b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>		
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT							
10. CONTRACTOR WILL REQUIRE ACCESS TO:							
	YES	NO	11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:			YES	NO
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION		<input checked="" type="checkbox"/>	a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY				<input checked="" type="checkbox"/>
b. RESTRICTED DATA	<input checked="" type="checkbox"/>		b. RECEIVE CLASSIFIED DOCUMENTS ONLY				<input checked="" type="checkbox"/>
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION		<input checked="" type="checkbox"/>	c. RECEIVE AND GENERATE CLASSIFIED MATERIAL		<input checked="" type="checkbox"/>		
d. FORMERLY RESTRICTED DATA		<input checked="" type="checkbox"/>	d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE				<input checked="" type="checkbox"/>
e. INTELLIGENCE INFORMATION			e. PERFORM SERVICES ONLY				<input checked="" type="checkbox"/>
(1) Sensitive Compartmented Information (SCI)	<input checked="" type="checkbox"/>		f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES				<input checked="" type="checkbox"/>
(2) Non-SCI			g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER		<input checked="" type="checkbox"/>		
f. SPECIAL ACCESS INFORMATION	<input checked="" type="checkbox"/>		h. REQUIRE A COMSEC ACCOUNT				<input checked="" type="checkbox"/>
g. NATO INFORMATION		<input checked="" type="checkbox"/>	i. HAVE TEMPEST REQUIREMENTS				<input checked="" type="checkbox"/>
h. FOREIGN GOVERNMENT INFORMATION		<input checked="" type="checkbox"/>	j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS				<input checked="" type="checkbox"/>
i. LIMITED DISSEMINATION INFORMATION	<input checked="" type="checkbox"/>		k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE				<input checked="" type="checkbox"/>
j. FOR OFFICIAL USE ONLY INFORMATION	<input checked="" type="checkbox"/>		l. OTHER <i>(Specify)</i>				
k. OTHER <i>(Specify)</i>							

12. PUBLIC RELEASE. Any information (*classified or unclassified*) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release Direct Through (*Specify*)

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs)* for review.
 *In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (*Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.*)

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. Yes No
 (*If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.*)

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. Yes No
 (*If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.*)

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL	b. TITLE	c. TELEPHONE (<i>Include Area Code</i>)
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d. ADDRESS (*Include Zip Code*)

e. SIGNATURE

17. REQUIRED DISTRIBUTION

- a. CONTRACTOR
- b. SUBCONTRACTOR
- c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR
- d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION
- e. ADMINISTRATIVE CONTRACTING OFFICER
- f. OTHERS AS NECESSARY