

<b>SOLICITATION, OFFER AND AWARD</b>		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING	PAGE OF PAGES
2. CONTRACT NUMBER	3. SOLICITATION NUMBER	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED	6. REQUISITION/PURCHASE NUMBER	
7. ISSUED BY		CODE	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 \_\_\_\_\_ 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 \_\_\_\_\_ until \_\_\_\_\_ local time \_\_\_\_\_ (Hour) \_\_\_\_\_ (Date)

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

10. FOR INFORMATION CALL:	A. NAME	B. TELEPHONE (NO COLLECT CALLS)		C. E-MAIL ADDRESS
		AREA CODE	NUMBER	EXT.

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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 <i>(See Section I, Clause No. 52.232-8)</i>	10 CALENDAR DAYS (%)	20 CALENDAR DAYS (%)	30 CALENDAR DAYS (%)	CALENDAR DAYS (%)
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14. ACKNOWLEDGMENT OF AMENDMENTS <i>(The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):</i>	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER <i>(Type or print)</i>		
15B. TELEPHONE NUMBER		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>	17. SIGNATURE		18. OFFER DATE
AREA CODE	NUMBER				

**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)		ITEM
24. ADMINISTERED BY (If other than Item 7)		CODE	25. PAYMENT WILL BE MADE BY		CODE
26. NAME OF CONTRACTING OFFICER (Type or print)			27. UNITED STATES OF AMERICA		28. AWARD DATE
			<i>(Signature of Contracting Officer)</i>		

**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 conduct research and development for "High Assurance Computer Network Systems" as described in Section C.	\$	\$	\$
0002	Data in accordance with Exhibit A (DD 1423)	* NSP	* NSP	* NSP
<b>TOTAL ESTIMATED COST PLUS FIXED FEE</b>		\$	\$	\$

\* *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**

**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.

**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>.

**SECTION D  
PACKAGING AND MARKING**

**D-1 PACKAGING AND MARKING**

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

**SECTION E  
INSPECTION AND ACCEPTANCE**

**E-1 INSPECTION AND ACCEPTANCE CLAUSES INCORPORATED BY REFERENCE**

**FAR CLAUSE    TITLE**

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

**DFARS CLAUSE    TITLE**

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

**E-2 INSPECTION AND ACCEPTANCE**

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

**SECTION F  
DELIVERIES OR PERFORMANCE**

**F-1 DELIVERIES OR PERFORMANCE CLAUSES INCORPORATED BY REFERENCE:**

**FAR CLAUSE    TITLE**

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

**F-2 PERIOD AND PLACE OF PERFORMANCE**

- (a) The term of this contract is from date of award through 12 months thereafter, with four (4) options that will extend the period of performance for an additional 12 months each, if exercised.  
(b) The principal place of performance of this contract shall be the Naval Research Laboratory, Washington DC

## 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](mailto:security-group@nrl.navy.mil)

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

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

Release of Data-Public Affairs Officer, Code 1030 (202) 767-2541, DSN 297-2541, email [publicaffairs@nrl.navy.mil](mailto: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 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
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*(Paragraph (b) will be included and filled in at time of award if subcontractor/consultants are proposed by the successful offeror)*

**G-5 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-6 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-7 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-8 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.

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.

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 only with the final invoice.

The contractor's final invoice shall be identified as such, and shall list all other invoices (if any) previously tendered under this contract.

**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: \*

Labor Category	First/M/Last Name
Senior Computer Scientist/Engineer/Analyst	<i>(*To be completed at time of award)</i>

**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 46,080 total hours for the base award and 46,080 total hours of direct labor for each option period, if exercised, 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. Required personnel qualifications are set forth in Attachment (3).

(b) The level of effort for this contract shall be expended at an average rate of 3,840 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 for Base Year and each Option Year, if exercised.</u>
Senior Computer Scientist/Engineer/Analyst	7,680
Associate Scientist/Engineer/Analyst	7,680
Systems Engineer/Computer Systems Analyst	9,600
Analyst/Engineer	9,600
AdministrativeSupport	3,840
Total	46,080

#### **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 (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.

**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)
- 52.215-11    -    Price Reduction For Defective Cost Or Pricing Data - Modifications (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)  
( *will be included if the successful offeror does not propose facilities capital cost of money*)
- 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 And Pricing Data Or Information Other Than Cost Or Pricing Data - Modifications (OCT 1997) -
- 52.216-7    -    Allowable Cost And Payment (DEC 2002) (fill in 30th)
- 52.216-8    -    Fixed-Fee (MAR 1997)
- 52.219-8    -    Utilization Of Small Business Concerns (MAY 2004)

- 52.219-9 - Small Business Subcontracting Plan (JAN 2002) - Alternate II (OCT 2001)
- 52.219-24 - Small Disadvantaged Business Participation Program—Targets (OCT 2000)
- 52.219-25 - Small Disadvantaged Business Participation Program-Disadvantaged Status And Reporting (OCT 1999)
  
- 52.222-2 - Payment For Overtime Premiums (JUL 1990) -The Use Of Overtime Is Authorized Under This Contract If The Overtime Premium Does Not Exceed "0"
- 52.222-3 - Convict Labor (JUN 2003)
- 52.222-19 - Child Labor – Cooperation With Authorities And Remedies (JUN 2004)
- 52.222-21 - Prohibition Of Segregated Facilities (FEB 1999)
- 52.222-26 - Equal Opportunity (APR 2002)
- 52.222-35 - Equal Opportunity For Special Disabled Veterans, Veterans Of The Vietnam Era, And Other Eligible Veterans (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)
  
- 52.222-39 - Notification Of Employee Rights Concerning Payment Of Union Dues Or Fees (DEC 2004)
  
- 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)
- 52.223-14 - Toxic Chemical Release Reporting (AUG 2003)
  
- 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)
- 52.227-11 - 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)
  
- 52.230-6 - Administration Of Cost Accounting Standards (NOV 1999)
- 52.232-9 - Limitation On Withholding Of Payments (APR 1984)
- 52.232-17 - Interest (JUN 1996)
- 52.232-20 - Limitation Of Cost (APR 1984) *(Applicable when the contract or task order is fully funded)*
- 52.232-22 - Limitation Of Funds (APR 1984) *(Applicable when the contract or task order is not fully funded)*

- 52.232-23 - Assignment Of Claims (JAN 1986) Alternate I (APR 1984)
- 52.232-25 - Prompt Payment (OCT 2003) Alternate I(FEB 2002)
- 52.232-33 - Payment By Electronic Funds Transfer-Central Contractor Registration (OCT 2003)
- 52.233-1 - Disputes (JUL 2002)
- 52.233-3 - Protest After Award (AUG 1996) - Alternate I (JUN 1985)
- 52.233-4 - Applicable Law For Breach Of Contract Claim (OCT 2004)
- 52.237-2 - Protection Of Government Buildings, Equipment And Vegetation (APR 1984)
- 52.242-1 - Notice Of Intent To Disallow Costs (APR 1984)
- 52.242-3 - Penalties For Unallowable Costs (MAY 2001)
- 52.242-4 - Certification of Final Indirect Costs (JAN 1997)
- 52.242-13 - Bankruptcy (JUL 1995)
- 52.243-2 - Changes - Cost-Reimbursement (AUG 1987) - Alternate V (APR 1984)
- 52.243-6 - Change Order Accounting (APR 1984)
- 52.243-7 - Notification Of Changes (APR 1984)fill in 30
  
- 52.244-2 - Subcontracts (AUG 1998) - Alternate I (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)
- 52.246-23 - 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)
- 252.209-7000 - Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate-Range Nuclear Forces (INF) Treaty (NOV 1995)
- 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)
- 252.223-7004 - Drug-Free Work Force (SEP 1988)
- 252.223-7006 - Prohibition On Storage And Disposal Of Toxic And Hazardous Materials (APR 1993)
- 252.225-7012 - Preference For Certain Domestic Commodities (JUN 2004)
- 252.225-7013 - Duty Free Entry (JAN 2004)
- 252.225-7031 - Secondary Arab Boycott Of Israel (APR 2003)
- 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)
- 252.227-7014 - Rights In Noncommercial Computer Software And Noncommercial Computer Software Documentation (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)
- 252.227-7030 - 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 (SEP 1999)
- 252.242-7000 - Post Award Conference (DEC 1991)
- 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, 3 Pages.
- J-2** Attachment (2) - DD Form 254, Contract Security Classification Specification, Dated December 16, 2004 2 Pages.
- J-3** Attachment (3) – Personnel Qualifications, 4 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**

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

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

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

The fill in information is as follows:

The NAICS code for this acquisition is 541512

The small business size standard is. 500

**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)   |
| 52.211-2  | - | Availability Of Specifications Listed In The DOD Index Of Specifications And Standards (DoDISS) And Descriptions Listed In The Acquisition Management Systems And Data Requirements Control List, DoD 5010.12-L (DEC 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)   |
| 52.215-5  | - | Facsimile Proposals (OCT 1997)<br>Paragraph (c) is completed as follows: (202) 767-5896 (primary) or (202) 767-0340(alternate). In addition proposals may be transmitted by e-mail to john.booros@nrl.navy.mil (primary) or jan.bays@.nrl.navy.mil (alternate) in either Microsoft Word (2000 or earlier) or pdf format. |
| 52.215-16 | - | Facilities Capital Cost Of Money (JUN 2003)  |
| 52.222-24 | - | Preaward On-Site Equal Opportunity Compliance Evaluation (FEB 1999)  |
| 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) |
| 252.211-7005 - | Substitutions For Military Or Federal Specifications And Standards (FEB 2003)          |

**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 3220.TB  
 Naval Research Laboratory (NRL)  
 4555 Overlook Avenue, S.W.  
 Washington, D.C. 20375

Solicitation/RFP No. – N00173-05-R-TB04

Closing Date: 07/08/05 Time 4:00

Proposals may be hand delivered to the Contracting Office, NRL, 4555 Overlook Avenue, S.W., Washington, D.C. 20375, Building 222, Room 115 between the hours of 8AM until 4PM, local time, excluding weekends and federal holidays. NRL is a controlled-access facility. Photo identification will be required. Report first to Building 72, Visitor Control for access to NRL. After receiving a Visitor Pass, proceed directly to Building 222, Room 115, Contracting Office Receptionist to deliver the proposal. All offerors shall allow sufficient time for delivery of their proposal to the Contracting Office prior to the closing date and time announced in the solicitation. Directions and additional information about NRL is available at <http://www.nrl.navy.mil/aboutdc.htm>

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

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

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

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

- (a) Submission of cost or pricing data is not required.
- (b) Provide information described in Section L-13, Instructions for Submission and Information Required to Evaluate Proposals.

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

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

**L-6 FAR 52.222-18 – CERTIFICATION REGARDING KNOWLEDGE OF CHILD LABOR FOR LISTED END PRODUCTS (FEB 2001)**

The fill-in information is as follows:

<b>Listed End Product</b>	<b>Listed Countries of Origin</b>
---------------------------	-----------------------------------


**L-7 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-8 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-9 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-10 GOVERNMENT-FURNISHED PROPERTY**

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

**L-11 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," 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-12 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-13 VOLUME I - TECHNICAL/MANAGEMENT PROPOSAL**

REQUIRED COPIES: 1 ORIGINAL AND 4 COPIES.

(1) The Contractor must propose the labor categories in accordance with the Level of Effort Breakdown in Section H-3. If the offeror uses labor category terminology other than that used in Section H-3, the offeror must provide a matrix clearly relating their proposed labor categories to those stated.

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

**(A) TECHNICAL APPROACH**

Provide documentation to support a complete understanding of the task requirements and understanding of the statement of work. Demonstrate a soundness of approach by a feasible and workable program for each task requirement. Demonstrate experience in similar research and development required by the tasks in the statement of work, nature and scope of similar work, relevancy of prior work to proposed work and past performance on same/similar work for the Government. Demonstrate credibility, realism and logic to the proposed tasking requirements and required deliverables.

**(B) PERSONNEL EXPERIENCE AND QUALIFICATIONS**

Provide resumes for key and supporting personnel indicating technical competence as demonstrated by both general and project related experience, publication records and the degree to which they meet the requirements, set forth in the RFP and any attachments/Exhibits to the RFP. Indicate the availability of key and supporting personnel to support the effort on a permanent basis. Provide documentation that key personnel must be currently employed or documentation indicating their immediate availability. Provide a statement of commitment for Key personnel for the contract period.

**(C) MANAGEMENT OF CONTRACT**

Demonstrate management capability of overseeing and scheduling the required tasks with simplicity consistent with effective management control. Demonstrate past experience and performance in managing similar efforts. Indicate a single point of contact assigned to interface with the Contracting Officer's Representative, the first-tier technical supervisors, and manage all personnel assigned to the contract.

**L-14 VOLUME II - BUSINESS PROPOSAL**

REQUIRED COPIES: 1 ORIGINAL AND 4 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 Offerors cost accounting system. The supporting breakdown should include such elements as materials, direct labor, indirect cost, and other costs such as travel. The offeror shall provide exhibits as necessary to substantiate each cost element. Should rates be used in the proposal, which are not DCAA approved, the offeror shall provide complete documentation and the rationale for their use at time of proposal submission. However, offerors are advised to use actual labor rates of proposed personnel as the basis for estimating labor costs when practicable.

**(2) SMALL BUSINESS PARTICIPATION**

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

(b) Proposals must also include information to permit evaluation of the extent of participation of small disadvantaged business concerns in performance of the contract. See the provision at FAR 52.219-

24, Small Disadvantaged Business Participation Program--Targets (OCT 2000), and the clause at 52.219-25, Small Disadvantaged Business Participation Program--Disadvantaged Status and Reporting (OCT 1999). Any targets will be incorporated into and become part of any resulting contract. Information provided should include the extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

#### **L-15 TRAVEL AND MATERIAL ESTIMATES AND OTHER DIRECT COSTS (FOR EVALUATION PURPOSES ONLY)**

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

The Government estimates the travel costs for this effort to be \$25,000 for the basic award and \$25,000.00 for each option period, if exercised.

The Government estimates the material costs for this effort to be \$1,000,000 for the basic award and \$1,000,000.00 for each option period, if exercised.

#### **L-16 CRITERIA FOR ALTERNATE PROPOSALS**

Proposals submitted in response to this solicitation are not limited to the suggested approaches of the acquisition data furnished. In order to be evaluated, alternate proposals must offer technical improvements or modifications, which are to the overall benefit of the Government. Offerors are encouraged to submit alternate proposals containing new ideas, unique approaches or other significant beneficial program improvements. The alternate proposal will be evaluated in accordance with the evaluation criteria. If the alternate proposal is considered most advantageous to the Government but involves a substantive or material departure from the stated basic proposal requirements or the stated evaluation criteria, all offerors shall be given an opportunity to submit new or amended proposals on the basis of the revised requirements provided this can be done without revealing to the other offerors innovative solutions or techniques or other information entitled to protection from disclosure. The Government reserves the right to award a contract based upon an alternate proposal, which meets the government's technical requirements and is otherwise awardable in accordance with the evaluation and award criteria.

### **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. Although 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.

#### **M-2 EVALUATION FACTORS FOR AWARD**

Proposals will be evaluated in accordance with the following criteria. The Technical Management

factor is more important than the Cost to the Government factor. The Technical subfactors are listed in descending order of importance. Technical factor 3 is significantly less important than factor 1 and 2.

### **M-2-1. TECHNICAL/MANAGEMENT**

#### **(1) TECHNICAL APPROACH**

The proposal will be evaluated on the complete understanding of the task requirements and understanding of the statement of work. The proposed will be evaluated on the soundness of approach by a feasible and workable program for each task requirement. The proposal will be evaluated on experience in similar research and development required by the tasks in the statement of work ; relevance of prior work to proposed work and past performance on same/similar work for the Government. The proposal will be evaluated on the credibility, realism and logic to the proposed tasking requirements and required deliverables.

#### **(2) PERSONNEL EXPERIENCE AND QUALIFICATIONS**

The proposal will be evaluated on the experience and qualifications of the proposed key and supporting personnel relevant to the project related task, publication records and the degree to which the personnel meet the requirements set for in the RFP and any attachments/Exhibits to the RFP.

#### **(3) MANAGEMENT OF CONTRACT**

Management of the contract will be evaluated on demonstrated capability of overseeing and scheduling the required tasks with simplicity consistent effective management control. The proposal will be evaluated on the past experience and performance in managing similar efforts.

### **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-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  
FOR  
RESEARCH AND DEVELOPMENT SUPPORT FOR HIGH ASSURANCE  
COMPUTER NETWORK SYSTEMS**

### **1.0 Introduction**

The Center for High Assurance Computer Systems, Code 5540 conducts research and development in techniques for processing and communicating data that preserve critical system properties, such as security, safety, availability, and timely delivery of computational results, and improve formal methods for analyzing and developing software and hardware systems. These areas include the research, development, and design of high assured building blocks for trustworthy systems, cryptographic devices in high assurance systems, high assurance real-time systems, system requirements engineering, trustworthy database management systems, networks and distributed systems, the management of distribution of cryptographic keys, the foundations of security, information warfare technology, and information security capabilities.

### **2.0 Scope**

The contractor shall provide Research and Development Support for a wide range of NRL research tasks to support offensive and defensive information warfare. The contractor shall provide support for research efforts in three areas: research, development and management of trusted and distributed network systems; design and development of technology for information systems vulnerability and intrusion detection; and high assurance computer systems and RF communications development testing.

### **3.0 Statement of Tasks**

The contractor shall perform the following tasks:

#### **3.1 Research, Development and Management of Trusted and Distributed Network Systems**

The contractor shall provide research, development and management to support the design and implementation of networked trusted and distributed computer systems. High assurance techniques shall be incorporated into networked command and control (C2) systems of differing system security levels. The contractor shall perform research and development in the area of algorithms and tools for the management of emerging high performance networks. The contractor shall investigate all of the routing services, addressing, network management and signaling issues, but with particular attention to reliable, low-latency and assured communication at multi gigabit speeds. The contractor shall develop mathematical models for network performance and test suites that are appropriate for various modes of operation. The contractor shall explore solutions for monitoring/auditing performance; scaling capability; end-to-end quality-of service and

robustness in the research environment; and subject the best developed models to rigorously tests including unpredictable, high traffic loads, both real and simulated, as the necessary steps for evolving effective, lowest latency protocols. MLS development leading to prototypical implementations shall be conducted for connecting C2 secure system networks to Sensitive-But-Unclassified (SBU) office automation systems using guard and firewall technology, including the support of technology demonstrations such as Joint Warrior Interoperability Demonstrations (JWIDS). The contractor shall develop and maintain web related documents and network applications to support any NRL function and will range from simple web pages to more complicated networked applications utilizing backend databases.

The Contractor shall develop and evaluate new techniques for the management of distributed communication networks and computer networks. The contractor shall monitor and modify the resources supporting fixed-infrastructure networks, automate configuration and adaptive re-configuration of wireless ad hoc mobile networks, manage the aggregate capacity of network links shared by multiple users and applications, and cross-layer protocol coupling strategies as may be required to adapt MAC-layer link properties in response to routing-layer traffic demand.

The contractor shall develop distributed, automated management and control schemes for all types of networks. The networks must have the ability to achieve complete network connectivity via multi-hop relaying (routing), the ability to adapt to and support the traffic loads, the ability to provide the required quality of service to the applications sharing the network, and the ability to meet anti-jam and/or limited-probability of detection objectives.

In addition, the contractor may develop management and control schemes and mathematical models for heterogeneous networks that use high-and low bandwidth channels and that support voice, data, imagery, and video. The contractor shall explore new approaches to exploit the potential synergism between networking and signal processing and shall research key issues relating to the distributed control of communication and the communication complexity of control.

The contractor shall evaluate the performance of data systems in terms of throughput delay, packet loss, packet latency histograms, etc. Applications of interest include radio networks, satellite networks, wireline networks, fiber optics networks, and hybrid networks containing two or more of these media.

The contractor shall provide technical and engineering support for the development and implementation of wide-area networks based on satellite and wireless communications. This requires a thorough analysis of the applications and/or experimentation to be supported, and coordination and compliance with the DoD agencies managing the access to the internet and to classified government networks. The contractor shall provide support to design, develop and implement state-of-the-art and DoD compatible network architectures that meet Navy standards for performance and security as dictated by DISA, NSA and the Department of the Navy.

### **3.2 Design and Development of Technology for Computer Network Systems Vulnerability and Intrusion Detection**

The contractor shall provide support in the design and development of a variety of information security capabilities. The contractor shall perform analysis and deployment of security vulnerability assessment tools. The contractor shall track security advisories and develop software for security assessments on a wide range of platforms. The contractor shall perform vulnerability scans on NRL systems and work with system administrators to resolve a variety of security issues. The contractor shall provide support in the design and development of a variety of information security capabilities. Specifically, the contractor shall perform research and development in the analysis of security measures for cryptographic protocols used in secure distributed systems. The contractor shall perform experiments with various information displays, and analyze the effectiveness of the information in terms of the reactions of people using the security tools.

The contractor shall physically inventory, coordinate, analyze, and document various computer networks and network resources for formulation of computer network vulnerabilities and risk analyses evaluation reports; test and retest computer networks and begin compilation of historical data to assess effectiveness of the computer network testing; investigate and evaluate computer security tools and procedures for use by computer network system administrators, managers, and engineers; develop and operate a computer security testbed/workstation support center; and collect and analyze data related to ongoing computer security investigations and programs.

The contractor shall research and develop ways to optimize the operating system (OS) kernel to ensure maximum security, as well as developing ways to implement reliable, secure wireless networks with multiple types of traffic. The contractor shall explore solutions for monitoring/auditing performance, scaling capability, end-to-end quality-of-service and robustness in the research rigorously test unpredictable, high traffic loads, both real and simulated, as the necessary step for evolving effective, low latency protocols.

### **3.3 Development and Testing of High Assurance Computer Systems and RF Communications Systems**

The contractor shall provide technical and engineering support for R&D efforts in RF communications as well as experimentation and testing in laboratory and field environments. This includes hardware and software support, planning and logistics for large field demonstrations, operators for mobile communications (satellite and wireless) equipment, and data analysis for technical reports on these efforts. The contractor shall ensure that all work is performed in a safe and efficient manner, and work to ensure that future needs are anticipated and reported as needed. The contractor shall develop and maintain complete site documentation for start-up and shutdown of all systems.

The contractor shall provide support for initial installation and trial integration of computer systems hardware and software; verify and/or modify vendor instructions and guidelines for installation and operation of high assurance computer systems and related equipment; and test and certify that all equipment and ported software are free of corrupting or contaminating elements, entities, or other devices, (i.e. comprehensive intrusion detection and assurance of computer and network integrity). The contract shall also develop and maintain a repository of knowledge and expertise that shall provide a capability for trouble-shooting the operational testbeds and that shall provide specialized and expert technical software engineering, hardware integration and networking support to acquisition managers, system integration engineers, and operators. The contractor shall verify that (1) the hardware and software packages are complete and (2) the component parts are compatible and current and they can be integrated, networked, and interfaced.

The contractor shall develop a software engineering environment to provide a system management discipline, procedures, and tools for pre-screening the hardware and software that is to be used for high assurance computer systems. The contractor shall create selective modification an/or customization of network software as specified by the user, acquisition managers, project managers, or senior system engineers. The contractor shall also provide specialized and technical, software engineering, guidance and recommendations for equipment purchase, networking, and proposed new acquisitions (i.e., models, simulations, and related software applications).

### **3.4 Administrative Support**

The contractor shall provide technical and administrative support in maintaining programmatic material, communicating with program participants, preparing technical briefings, development or working tasking, annotation and promulgation of action items resulting from meetings, and general programmatic support of a technical nature. The contractor shall ensure that all project and program actions are tracked and documented and that the documentation is made available to all program participants. The contractor shall provide support in the development of technical reports, briefing materials resource tracking, and all other programmatic information required.

# CONTRACT DATA REQUIREMENTS LIST

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<b>A. CONTRACT LINE ITEM NO.</b> 0002	<b>B. EXHIBIT</b> A	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER _____
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<b>D. SYSTEM/ITEM</b>	<b>E. CONTRACT/PR NO.</b> 55-4060-05	<b>F. CONTRACTOR</b>
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1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM Documentation of Models and Protocols	3. SUBTITLE
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE Tasks 3.1 - 3.3
7. DD 250 REQ N	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ
8. APP CODE N	11. AS OF DATE	12. DATE OF FIRST SUBMISSION ASREQ
16. REMARKS		14. DISTRIBUTION
		a. ADDRESSEE
		b. COPIES
		Draft
		Final
		Reg
		Repro
		Code 5540
		1
		15. TOTAL →
		1

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM Documentation of Test Plans and Experimental Results	3. SUBTITLE
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE Tasks 3.1 - 3.3
7. DD 250 REQ N	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ
8. APP CODE N	11. AS OF DATE	12. DATE OF FIRST SUBMISSION ASREQ
16. REMARKS		14. DISTRIBUTION
		a. ADDRESSEE
		b. COPIES
		Draft
		Final
		Reg
		Repro
		Code 5540
		1
		15. TOTAL →
		1

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A003	2. TITLE OF DATA ITEM Software/Hardware Models and Protocols	3. SUBTITLE
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE Tasks 3.1 - 3.3
7. DD 250 REQ N	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ
8. APP CODE N	11. AS OF DATE	12. DATE OF FIRST SUBMISSION ASREQ
16. REMARKS		14. DISTRIBUTION
		a. ADDRESSEE
		b. COPIES
		Draft
		Final
		Reg
		Repro
		Code 5540
		1
		15. TOTAL →
		1

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A004	2. TITLE OF DATA ITEM Documentation of Architecture and Interfaces	3. SUBTITLE
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE Tasks 3.1 - 3.3
7. DD 250 REQ N	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ
8. APP CODE N	11. AS OF DATE	12. DATE OF FIRST SUBMISSION ASREQ
16. REMARKS		14. DISTRIBUTION
		a. ADDRESSEE
		b. COPIES
		Draft
		Final
		Reg
		Repro
		Code 5540
		1
		15. TOTAL →
		1

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

<b>G. PREPARED BY</b> NRL Code 5540	<b>H. DATE</b> 5/1/05	<b>I. APPROVED BY</b>	<b>J. DATE</b>
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# CONTRACT DATA REQUIREMENTS LIST

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<b>A. CONTRACT LINE ITEM NO.</b> 0002	<b>B. EXHIBIT</b> A	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER _____
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<b>D. SYSTEM/ITEM</b>	<b>E. CONTRACT/PR NO.</b> 55-4060-05	<b>F. CONTRACTOR</b>
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<b>1. DATA ITEM NO.</b> A005	<b>2. TITLE OF DATA ITEM</b> System Configuration Documentation	<b>3. SUBTITLE</b>
<b>4. AUTHORITY (Data Acquisition Document No.)</b>		<b>5. CONTRACT REFERENCE</b> Tasks 3.1 - 3.3
<b>6. REQUIRING OFFICE</b>		
<b>7. DD 250 REQ</b> N	<b>9. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b> ASREQ
<b>8. APP CODE</b> N	<b>11. AS OF DATE</b>	<b>12. DATE OF FIRST SUBMISSION</b> ASREQ
<b>13. DATE OF SUBSEQUENT SUBMISSION</b>		<b>14. DISTRIBUTION</b>
		a. ADDRESSEE
		b. COPIES
		Draft
		Final
		Reg
		Repro
<b>16. REMARKS</b>		Code 5540
<b>15. TOTAL</b> →		1

<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>1. DATA ITEM NO.</b> A006	<b>2. TITLE OF DATA ITEM</b> Briefing Materials and Results of Experimentation	<b>3. SUBTITLE</b>
<b>4. AUTHORITY (Data Acquisition Document No.)</b>		<b>5. CONTRACT REFERENCE</b> All Tasks
<b>6. REQUIRING OFFICE</b>		
<b>7. DD 250 REQ</b> N	<b>9. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b> ASREQ
<b>8. APP CODE</b> N	<b>11. AS OF DATE</b>	<b>12. DATE OF FIRST SUBMISSION</b> ASREQ
<b>13. DATE OF SUBSEQUENT SUBMISSION</b>		<b>14. DISTRIBUTION</b>
		a. ADDRESSEE
		b. COPIES
		Draft
		Final
		Reg
		Repro
<b>16. REMARKS</b>		Code 5540
<b>15. TOTAL</b> →		1

<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>1. DATA ITEM NO.</b> A007	<b>2. TITLE OF DATA ITEM</b> Monthly Technical Reports	<b>3. SUBTITLE</b>
<b>4. AUTHORITY (Data Acquisition Document No.)</b>		<b>5. CONTRACT REFERENCE</b> All Tasks
<b>6. REQUIRING OFFICE</b>		
<b>7. DD 250 REQ</b> N	<b>9. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b> ASREQ
<b>8. APP CODE</b> N	<b>11. AS OF DATE</b>	<b>12. DATE OF FIRST SUBMISSION</b> ASREQ
<b>13. DATE OF SUBSEQUENT SUBMISSION</b>		<b>14. DISTRIBUTION</b>
		a. ADDRESSEE
		b. COPIES
		Draft
		Final
		Reg
		Repro
<b>16. REMARKS</b>		Code 5540
<b>15. TOTAL</b> →		1

<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>1. DATA ITEM NO.</b> A008	<b>2. TITLE OF DATA ITEM</b> Monthly On-Site Labor Hours Report	<b>3. SUBTITLE</b>
<b>4. AUTHORITY (Data Acquisition Document No.)</b>		<b>5. CONTRACT REFERENCE</b> All Tasks
<b>6. REQUIRING OFFICE</b>		
<b>7. DD 250 REQ</b> N	<b>9. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b> Monthly
<b>8. APP CODE</b> N	<b>11. AS OF DATE</b>	<b>12. DATE OF FIRST SUBMISSION</b> *
<b>13. DATE OF SUBSEQUENT SUBMISSION</b> *		<b>14. DISTRIBUTION</b>
		a. ADDRESSEE
		b. COPIES
		Draft
		Final
		Reg
		Repro
<b>16. REMARKS</b>		Code 5540
<b>15. TOTAL</b> →		1

<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>G. PREPARED BY</b> NRL Code 5540	<b>H. DATE</b> 5/1/05	<b>I. APPROVED BY</b>	<b>J. DATE</b>
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# CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<b>A. CONTRACT LINE ITEM NO.</b> 0002			<b>B. EXHIBIT</b> A		<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER _____		
<b>D. SYSTEM/ITEM</b>				<b>E. CONTRACT/PR NO.</b> 55-4060-05		<b>F. CONTRACTOR</b>	
<b>1. DATA ITEM NO.</b> A009	<b>2. TITLE OF DATA ITEM</b> Monthly Financial Report				<b>3. SUBTITLE</b>		
<b>4. AUTHORITY (Data Acquisition Document No.)</b>			<b>5. CONTRACT REFERENCE</b> All tasks			<b>6. REQUIRING OFFICE</b>	
<b>7. DD 250 REQ</b> N	<b>9. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b> MONTHLY		<b>12. DATE OF FIRST SUBMISSION</b> 30 DAC		<b>14. DISTRIBUTION</b>	
<b>8. APP CODE</b> N		<b>11. AS OF DATE</b>	<b>13. DATE OF SUBSEQUENT SUBMISSION</b> *		<b>a. ADDRESSEE</b>	<b>b. COPIES</b>	
						Draft	Final
						Reg	Repro
<b>16. REMARKS</b> * The Contractor shall provide the monthly financial reports the 15th day of each month in the format designated by the COR in accordance with Government procedures and particular needs of the sponsors. The monthly financial report shall also include copies of all original: 1) invoices submitted for payment, 2) receipts for purchase of material or equipment, or travel expense, etc., and 3) labor and expense cost submitted by contractors, subcontractors, consultants, universities, etc., The financial report shall also include an expenditure plan by month for each sponsor for each task and the actual expenditures on a monthly basis for the previous unreported period and must be reported for each sponsor for each task. The contractor shall also submit once every fiscal year a projected monthly expenditure plan for each sponsor for each task. This plan shall also include: 1) actual hourly costs of all contractor personnel assigned to the contract, 2) actual contractor surcharge for administrative, consultants, universities, subcontractors, equipment and material. The contractor shall provide all reports with a summary to the COR					Code 5540	1	
					<b>15. TOTAL</b> →	1	
<b>1. DATA ITEM NO.</b>	<b>2. TITLE OF DATA ITEM</b>			<b>3. SUBTITLE</b>			
<b>4. AUTHORITY (Data Acquisition Document No.)</b>			<b>5. CONTRACT REFERENCE</b>			<b>6. REQUIRING OFFICE</b>	
<b>7. DD 250 REQ</b>	<b>9. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b>		<b>12. DATE OF FIRST SUBMISSION</b>		<b>14. DISTRIBUTION</b>	
<b>8. APP CODE</b>		<b>11. AS OF DATE</b>	<b>13. DATE OF SUBSEQUENT SUBMISSION</b>		<b>a. ADDRESSEE</b>	<b>b. COPIES</b>	
						Draft	Final
						Reg	Repro
<b>16. REMARKS</b>							
					<b>15. TOTAL</b> →		
<b>G. PREPARED BY</b> NRL Code 5540			<b>H. DATE</b> 5/1/05		<b>I. APPROVED BY</b>		<b>J. DATE</b>

<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION</b> <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>				<b>1. CLEARANCE AND SAFEGUARDING</b> a. FACILITY CLEARANCE REQUIRED <p style="text-align: center;"><b>TOP SECRET</b></p> b. LEVEL OF SAFEGUARDING REQUIRED <p style="text-align: center;"><b>NONE</b></p>			
<b>2. THIS SPECIFICATION IS FOR:</b> <i>(X and complete as applicable)</i>			<b>3. THIS SPECIFICATION IS:</b> <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>20041216</b>			
	b. SUBCONTRACT NUMBER		b. REVISED <i>(Supersedes all previous specs)</i>	REVISION NO.	DATE (YYYYMMDD)		
<input checked="" type="checkbox"/>	c. SOLICITATION OR OTHER NUMBER <b>55-4060-05</b>	DUE DATE (YYYYMMDD)	c. FINAL <i>(Complete Item 5 in all cases)</i>		DATE (YYYYMMDD)		
<b>4. IS THIS A FOLLOW-ON CONTRACT?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: Classified material received or generated under _____ <i>(Preceding Contract Number)</i> is transferred to this follow-on contract.							
<b>5. IS THIS A FINAL DD FORM 254?</b> <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 _____.							
<b>6. CONTRACTOR</b> <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, NOT VALID FOR ACTUAL CONTRACT AWARD			N/A				
<b>7. SUBCONTRACTOR</b>							
a. NAME, ADDRESS, AND ZIP CODE		b. CAGE CODE	c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>				
N/A			N/A				
<b>B. ACTUAL PERFORMANCE</b>							
a. LOCATION		b. CAGE CODE	c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>				
N/A			N/A				
<b>9. GENERAL IDENTIFICATION OF THIS PROCUREMENT</b> Scientific, Engineering, Technical, and Analytical Support for High Assurance Computer Network Systems.							
<b>10. CONTRACTOR WILL REQUIRE ACCESS TO:</b>		YES	NO	<b>11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:</b>		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			<input checked="" type="checkbox"/>	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			<input checked="" type="checkbox"/>	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*)

COMMANDING OFFICER, NAVAL RESEARCH LABORATORY, WASHINGTON, DC 20375-5320, CODE 5540.  
NO PUBLIC RELEASE OF SCI AUTHORIZED.

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.*)

Access to classified information is not required for the purpose of submitting a bid/proposal for this statement of work. However, prior to award of contract, the successful contractor will be required to have a TOP SECRET facility clearance and personnel eligible for a Top Secret security clearance. In addition, some personnel may require a Sensitive Compartmented Information clearance.

**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 <i>Marilyn J. Overton</i> MARILYN OVERTON	b. TITLE Contracting Officer, Security Manager	c. TELEPHONE ( <i>Include Area Code</i> ) 202-767-0793
--	---	---

d. ADDRESS (*Include Zip Code*)  
NAVAL RESEARCH LABORATORY  
4555 OVERLOOK AVENUE, SW  
WASHINGTON, DC 20375-5320

**17. REQUIRED DISTRIBUTION**

<input checked="" type="checkbox"/>	a. CONTRACTOR
<input type="checkbox"/>	b. SUBCONTRACTOR
<input checked="" type="checkbox"/>	c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR
<input type="checkbox"/>	d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION
<input type="checkbox"/>	e. ADMINISTRATIVE CONTRACTING OFFICER
<input checked="" type="checkbox"/>	f. OTHERS AS NECESSARY 1221.1, 1223.1, 5540, ONI

e. SIGNATURE

**PERSONNEL QUALIFICATIONS  
FOR THE  
RESEARCH AND DEVELOPMENT SUPPORT FOR HIGH ASSURANCE  
COMPUTER NETWORK SYSTEMS STATEMENT OF WORK**

**SENIOR COMPUTER SCIENTIST/ENGINEER/ANALYST**

Education:

Shall have at least a Master of Science (MS) degree in Computer Science, Engineering, or Mathematics

Experience: Ten years of experience in research and developing high assurance computer systems consisting of more than new techniques for information flow and control, mathematical models for network performance and test suites, reliable, secure wireless networks, technology that supports tactical military networks, network vulnerability assessment software tool, modeling and simulation of computer and communication based systems, protocol development for communication networks, and development of algorithms and hardware for communication networks, high performance interfaces, and compression/decompression algorithms. Experience in intelligence research, analysis, and development technologies and initiatives, as well as collaboration technologies. Experience with interfacing devices to high performance computing environments and a strong working knowledge of graphics programming, and such software packages and optimization tools, and computer system programming as evidenced by the development of Graphical User Interfaces (GUI) for the implementation of formal methods technology demonstrations. Programming language experience shall include C/C++. Five years of the above experience in trusted computer system configuration, programming, and administration. Experience must include the analysis, integration, testing, and administration of trusted computer operating systems, databases, message guards, and network firewalls. Experience with formal methods and object-oriented, software design methodologies is required. Experience should include the design and implementation of a variety of electronic circuitry, but specifically shall include the interfacing of commercial technology for voice switching to classified telephony systems. A demonstrated knowledge of wireless LAN technology is also required. Experience must include the analysis, integration, testing, and administration of trusted computer operation systems, databases, message guards, and network firewalls. Five years experience in the administration and development of high performance networks consisting of high assurance techniques for incorporating networked GCCS-M (Global Command and Control System – Maritime) command and control (C2) systems of differing system security levels and multi-level security (MLS) levels, ATM and IP networks. Three years experience with secure networks including wireless, mobile ad hoc networks as well as wired networks with fixed infrastructure. Experience with the Unix operating system, C/C++ programming languages, Java, and interface design is required. Web software security expertise is demonstrated by patent applications and extensive publications in refereed journals, technical reports, and conference

presentations. Experience with areas of computational logic, logical frameworks, various programming languages, and artificial intelligence. An extensive history of publications in refereed journals, technical reports, and conference proceedings is required. The ability to obtain a Top Secret clearance is required.

### **ASSOCIATE SCIENTIST/ENGINEER/ANALYST**

#### Education:

Shall have at least a Bachelors of Science (BS) degree in Computer Science, Engineering, or Mathematics

Experience: Eight years of experience in research and developing secure system programming and analysis in the development of heterogeneous, high performance computing environments. Five years of experience in secure system programming and analysis as demonstrated by the development of secure message transmission. Five years of experience in the research and development of electronic systems, and administration and development of high performance networks consisting of high assurance techniques for incorporating networked GCCS-M (Global Command and Control System – Maritime) command and control (C2) systems of differing system security levels and multi-level security (MLS) levels, ATM and IP networks. Demonstrated experience is required with cryptographic protocols, virtual pipes, and telnet proxies for the secure routing of messages. Experience should include the design and implementation of a variety of electronic circuitry, but specifically shall include the interfacing of commercial technology for voice switching to classified telephony systems. A demonstrated knowledge of wireless LAN technology is also required. Experience must include secure system development as evidenced by the integration, testing, and analysis of operational network intrusion detection systems and firewalls. Three years experience with secure networks including wireless, mobile ad hoc networks as well as wired networks with fixed infrastructure. Experience with the Unix operating system, C/C++ programming languages, Java, and interface design is required. Web software security expertise is demonstrated by patent applications and extensive publications in refereed journals, technical reports, and conference presentations. Three years of experience in secure system programming as evidenced by the development of secure TCP/IP protocols for trusted message routing. Demonstrated experience should include NetBSD, FreeBSD, and OpenBSD. Shall have experience in secure system programming and analysis as demonstrated by the development of automated cryptographic protocol analyzers. Shall have experience in formal methods programming as evidenced by the development of automated software requirements generation from functional specifications. Object oriented software experience should include development of a simulator for the exercise of the requirements generator. Extensive programming language experience is required with C++ and Java user interfacing. The ability to obtain a Top Secret clearance is required.

**SYSTEMS ENGINEER/COMPUTER SYSTEMS ANALYST****Education:**

Shall have at least a Bachelors of Science (BS) degree in Computer Science, Engineering, or Mathematics.

Experience: Five years of experience in research and developing secure system programming and analysis in the development of heterogeneous, high performance computing environments. Five years of experience in secure system programming and analysis as demonstrated by the development of secure message transmission. Five years of experience in the research and development of electronic systems, and administration and development of high performance networks consisting of high assurance techniques for incorporating networked GCCS-M (Global Command and Control System – Maritime) command and control (C2) systems of differing system security levels and multi-level security (MLS) levels, ATM and IP networks. Demonstrated experience is required with cryptographic protocols, virtual pipes, and telnet proxies for the secure routing of messages. Experience should include the design and implementation of a variety of electronic circuitry, but specifically shall include the interfacing of commercial technology for voice switching to classified telephony systems. Three years of experience with the Unix operating system and the C programming language, ATM and IP distributed networks with Kerberos authentication. Shall have experience in computer system programming as evidenced by the development of Graphical User Interfaces (GUI), for the implementation of formal methods technology demonstrations. Programming language experience shall include C/C++. Shall have the ability to understand and debug C/C++ and JAVA computer programs. Must have computer security experience with digital signatures and encrypted wrappers for document protection. The ability to obtain a Top Secret clearance is required.

**ANALYST/ENGINEER****Education:**

Shall have a Bachelors of Science (BS) degree or equivalent experience in any technical discipline.

Experience: Shall have at least two years of experience in system methodologies and general engineering procedures. Experience must include experience with UNIX operating system, C, C++ programming languages, and be familiar with emerging object-oriented software specification, design, and programming. Experience with security assessment tools is desired. Shall have experience in secure systems programming and analysis. Shall have experience in configuration and administration of networked UNIX Workstations, Macintosh, and PC computer systems. Network connectivity and demonstrated expertise with network routers and switches. System Administration support experience must include email filters, technical and business software applications support, and system backup automation. Experience in designing algorithms for a PC environment is also required. The ability to obtain a Top Secret clearance is required.

## **ADMINISTRATIVE ASSISTANT**

### Education:

Shall have a relevant Associate degree or equivalent experience in business, management or information technology.

**Experience:** Shall have at least five years of experience in project or resource management. Shall be familiar with desktop publishing, the internet, various financial and management software, and PC systems. Ability to develop and maintain program management plans and generally support technical program management is required. The ability to obtain a Secret clearance is required.