

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING DO-C9	PAGE OF 1 24 PAGES
2. CONTRACT NO.	3. SOLICITATION NO. N00173-04-R-CR04	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)		5. DATE ISSUED Aug 3, 2004	6. REQUISITION/PURCHASE NO. 55-2143-04
7. ISSUED BY CONTRACTING OFFICER NAVAL RESEARCH LABORATORY ATTN: CODE 3220.CR WASHINGTON DC 20375-5326		CODE N00173	8. ADDRESS OFFER TO (If other than Item 7)		

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

SOLICITATION

9. Sealed offers in original and 3 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in See Section L-2 until 4PM local time Sep 2, 2004
(Hour) (Date)

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

10. FOR INFORMATION CALL:	A. NAME Alan Wayne Crupi	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) (202) 767-3595
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OFFER (Must be fully completed by offeror)

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

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

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52-232-8)	10 CALENDAR DAYS %	20 CALENDAR DAYS %	30 CALENDAR DAYS %	CALENDAR DAYS %
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)
15B. TELEPHONE NO. (Include area code)	15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.		17. SIGNATURE
			18. OFFER DATE

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN ITEM (4 copies unless otherwise specified)
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 (Signature of Contracting Officer)	28. AWARD DATE

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

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

B-1 SUPPLIES/SERVICES AND COSTS

ITEM NUMBER	SUPPLIES OR SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0001	The Contractor shall provide research support in accordance with Section C.	\$	\$	\$
0002	The Contractor shall provide the data in accordance with Exhibit A (DD 1423).	NSP*	NSP	NSP

TOTAL ESTIMATED COST PLUS FIXED FEE \$_____ \$_____ \$_____

* Not Separately Priced

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

C-1 STATEMENT OF WORK

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

C-2 REQUIREMENTS FOR ON-SITE CONTRACTORS

For those portions of the work under this contract performed at any NRL site, the contractor shall comply with the Requirements for On-Site Contractors dated 18 March 2004 which are hereby incorporated by reference. The full text is available at <http://heron.nrl.navy.mil/contracts/home.htm>.

C-3 SUBCONTRACTING PLAN

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

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

**SECTION D
PACKAGING AND MARKING**

D-1 PACKAGING AND MARKING

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

**SECTION E
INSPECTION AND ACCEPTANCE**

E-1 INSPECTION AND ACCEPTANCE CLAUSES INCORPORATED BY REFERENCE

FAR CLAUSE TITLE

52.246-8 - Inspection Of Research And Development - Cost Reimbursement (MAY 2001)

DFARS CLAUSE TITLE

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

E-2 INSPECTION AND ACCEPTANCE

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

**SECTION F
DELIVERIES OR PERFORMANCE**

F-1 DELIVERIES OR PERFORMANCE CLAUSES INCORPORATED BY REFERENCE:

FAR CLAUSE TITLE

52.242-15 - Stop-Work Order (AUG 1989) - Alternate I (APR 1984)

52.247-34 - F.O.B. Destination (NOV 1991)

F-2 PERIOD AND PLACE OF PERFORMANCE

- (a) The term of this contract is from date of contract award through eighteen (18) months thereafter.
- (b) The principle place of performance of this contract shall be at the contractor's facility.

SECTION G CONTRACT ADMINISTRATION DATA

G-1 PROCURING OFFICE REPRESENTATIVE

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

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

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

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

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

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

* is hereby designated the cognizant COR who will represent the Contracting Officer in the administration of technical details within the scope of this contract and inspection and acceptance. The COR is not otherwise authorized to make any representations or commitments of any kind on behalf of the Contracting Officer or the Government. The COR does not have the authority to alter the Contractor's obligations or change the specifications in the contract. If, as a result of technical discussions, it is desirable to alter contract obligations or statements of work, a modification must be issued in writing and signed by the Contracting Officer. The COR is responsible for reviewing the bills and charges submitted by the Contractor and informing the ACO of areas where exceptions are to be taken.

(* To be completed at time of award)

G-3 TECHNICAL DIRECTION MEMORANDUM (TDM)

- (a) For the purposes of this clause, technical direction includes the following:
- (1) Direction to the Contractor which shifts work emphasis between work areas or tasks, requires pursuit of certain lines of inquiry, fills in details or otherwise describes work which will accomplish the objectives described in the statement of work;
 - (2) Guidelines to the Contractor, which assist in interpretation of drawings, specifications or technical portions of, work description.
- (b) Technical instructions must be within the scope of work stated in the contract. Technical instructions may not be used to:
- (1) Assign additional work under the contract;
 - (2) Direct a change as defined in the contract clause entitled "Changes";
 - (3) Increase or decrease the estimated contract cost, the fixed fee, or the time required for

contract performance; or

- (4) Change any of the terms, conditions or specifications of the contract
- (c) The TDM shall be written by the Contracting Officer's Representative (COR), with the original given to the Contractor and a copy retained in the CORs file. Technical direction may be issued orally only in emergency situations. If technical direction is issued orally, a TDM must follow within two (2) working days from the date of the oral direction. Amendments, corrections, or changes to TDMs shall also be in written format and shall include all the information set forth in paragraph (e) below.
- (d) A TDM shall be considered issued when the Government deposits it in the mail, or if transmitted by other means, when it is physically delivered to the contractor.
- (e) TDMs shall include, but not be limited to, the following information:
 - (1) Date of TDM,
 - (2) Contract Number,
 - (3) Reference to the relevant portion or item in the Statement of Work,
 - (4) The specific technical direction or clarification, and
 - (5) The signature of the COR.
- (f) CORs shall retain all files containing TDMs for a period of two (2) years after the final contract completion date.
- (g) The only individual authorized in any way to amend or modify any of the terms of this contract shall be the Contracting Officer. When, in the opinion of the Contractor, any technical direction calls for effort outside the scope of the contract or inconsistent with this special provision, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after its receipt.

G-4 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.

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

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

Pursuant to DFARS 242.803(b)(i)(c), if the cognizant Government auditor has notified the contractor of its authorization to do so, the contractor may submit vouchers under this contract direct to the payment office shown in Block 12 of SF 26 instead of to the address shown above. Such authorization does not extend to the first and final vouchers. The contractor shall continue to submit first vouchers to the cognizant auditor shown above. The final voucher shall be submitted to the Administrative Contracting Officer (SF 26, Block 6) with a copy to the cognizant auditor.

**SECTION H
SPECIAL CONTRACT REQUIREMENTS**

H-1 TYPE OF CONTRACT

This is a *

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

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

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

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

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

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

The following are identified as key personnel: *

(* To be completed at time of award)

Labor Category

Task 1	First/M/Last Name
Project Manager	*
Senior Systems Architect	*
Task 2	*
Project Manager	*
Senior Software Architect	*
Task 3	*
Senior Software Architect	*
Software Engineer	*

Task 4	*
Project Manager	*
Senior Systems Engineer	*
Task 5	*
Project Manager	*
Hardware Engineer	*
Software Engineer	*
Task 6	*
Project Manager	*
Project Engineer	*
Project Engineer	*

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 44,620 total hours of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort. A breakdown of labor categories and hours is set forth in paragraph (k) below.
- (b) The level of effort for this contract shall be expended at an average rate of 2,478 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:

Task 1 - Mobile Network Emulator Test Bed Development

LABOR CATEGORY	BASIC	TOTALS
Project Manager **	750	750
Senior Systems Architect **	3120	3120
Systems Engineer	3120	3120
Administrative Support	500	500
TOTAL HOURS	7490	7490

** denotes key personnel

Task 2 - Representative C4I Test Application Development

LABOR CATEGORY	BASIC	TOTALS
Project Manager **	750	750
Senior Software Architect **	3120	3120
Software Engineer	3120	3120
Administrative Support	500	500
TOTAL HOURS	7490	7490

Task 3 - Automated Test, Vulnerability, and Attack Generation Mechanisms

LABOR CATEGORY	BASIC	TOTALS
Project Manager	750	750
Senior Software Architect **	3120	3120
Software Engineer **	3120	3120
Administrative Support	500	500
TOTAL HOURS	7490	7490

Task 4 - Test Bed Instrumentation

LABOR CATEGORY	BASIC	TOTALS
Project Manager **	750	750
Senior Systems Engineer **	3120	3120
Software Engineer	3120	3120
Administrative Support	500	500
TOTAL HOURS	7490	7490

Task 5 - Test Bed Integration and Testing

LABOR CATEGORY	BASIC	TOTALS
Project Manager **	1440	1440
Hardware Engineer **	1280	1280
Software Engineer **	1280	1280
Administrative Support	160	160
TOTAL HOURS	4160	4160

Task 6 - Test and Evaluation Operations Support

LABOR CATEGORY	BASIC	TOTALS
Project Manager **	2000	2000
Project Engineer **	2000	2000
Project Engineer **	2000	2000
Logistician	2000	2000
Logistician	2000	2000
Administrative Support	500	500
TOTAL HOURS	10,500	10,500

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 ON-SITE USE OF GOVERNMENT PROPERTY

Government facilities and equipment specified or approved for use in the performance of any portion of the contract at the U.S. Naval Research Laboratory (NRL) or any of its field sites may be used by the contractor's personnel on a rent free basis. All such property shall be considered to remain in the possession and control of the NRL for property responsibility and accountability purposes.

H-7 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)
- 52.215-10 - Price Reduction For Defective Cost Or Pricing Data (OCT 1997)
- 52.215-11 - Price Reduction For Defective Cost Or Pricing Data - Modifications (OCT 1997)
- 52.215-12 - Subcontractor Cost Or Pricing Data (OCT 1997)
- 52.215-13 - Subcontractor Cost Or Pricing Data Modifications (OCT 1997)
- 52.215-14 - Integrity Of Unit Prices (OCT 1997)
- 52.215-15 - Pension Adjustments And Asset Reversions (JAN 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 Or Pricing Data Or Information Other Than Cost or Pricing Data -Modifications (OCT 1997)
- 52.216-7 - Allowable Cost And Payment (DEC 2002) (fill in 30th)
- 52.216-8 - Fixed-Fee (MAR 1997)
- 52.219-4 - Notice Of Price Evaluation Preference For HUBZone Small Business Concerns (JAN 1999) Offeror elects to waive the evaluation preference.
- 52.219-8 - Utilization Of Small Business Concerns (MAY 2004)
- 52.219-9 - Small Business Subcontracting Plan (JAN 2002) - Alternate II (OCT 2001)
- 52.219-16 - Liquidated Damages-Subcontracting Plan (JAN 1999)
- 52.219-25 - 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)
- 52.222-21 - 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)
- 52.223-3 - 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)
- 52.227-10 - Filing Of Patent Application- Classified Subject Matter (APR 1984)
- 52.227-11 - Patent Rights - Retention By The Contractor (Short Form) (JUN 1997)
(will be included if the successful offeror is a small business or a non-profit organization)
- 52.227-12 - Patent Rights - Retention By The Contractor (Long Form) (JAN 1997)
(will be included if the successful offeror is not a small business or a non-profit organization)
- 52.228-7 - Insurance - Liability To Third Persons (MAR 1996)
- 52.230-2 - Cost Accounting Standards (APR 1998)
- 52.230-3 - Disclosure And Consistency Of Cost Accounting Practices (APR 1998)
- 52.230-6 - Administration Of Cost Accounting Standards (NOV 1999)
- 52.232-9 - Limitation On Withholding Of Payments (APR 1984)
- 52.232-17 - Interest (JUN 1996)
- 52.232-18 - Availability Of Funds (APR 1984)
- 52.232-20 - Limitation Of Cost (APR 1984) *(Applicable when the contract or task order is fully funded)*
- 52.232-22 - Limitation Of Funds (APR 1984) *(Applicable when the contract or task order is not fully funded)*
- 52.232-23 - Assignment Of Claims (JAN 1986) Alternate I (APR 1984)
- 52.232-25 - Prompt Payment (OCT 2003) Alternate I (FEB 2002)
- 52.232-33 - Payment By Electronic Funds Transfer-Central Contractor Registration (OCT 2003)
- 52.233-1 - Disputes (JUL 2002)
- 52.233-3 - Protest After Award (AUG 1996) - Alternate I (JUN 1985)
- 52.237-2 - 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) (SEP 1996)
- 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)
- 252.204-7000 - Disclosure Of Information (DEC 1991)
- 252.204-7003 - Control Of Government Personnel Work Product (APR 1992)
- 252.204-7004 - Alternate A (NOV 2003)
- 252.205-7000 - Provision Of Information To Cooperative Agreement Holders (DEC 1991)
- 252.209-7000 - 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)
- 252.219-7004 - Small, Small Disadvantaged And Women-Owned Small Business Subcontracting Plan (Test Program) (JUN 1997)
- 252.223-7004 - Drug-Free Work Force (SEP 1988)
- 252.223-7006 - Prohibition On Storage And Disposal Of Toxic And Hazardous Materials (APR 1993)
- 252.225-7012 - Preference For Certain Domestic Commodities (JUN 2004)
- 252.225-7013 - Duty Free Entry (JAN 2004)
- 252.225-7031 - Secondary Arab Boycott Of Israel (APR 2003)
- 252.225-7043 - Antiterrorism/Force Protection Policy For Defense Contractors Outside The United States (JUN 1998) (fill in : Naval Criminal Investigative Service (NCIS), Code 24, telephone, DSN 228-9113 or commercial (202)433-9113)
- 252.226-7001 - Utilization of Indian Organizations, Indian-Owned Economic Enterprises, And Native Hawaiian Small Business Concerns (OCT 2003)
- 252.227-7000 - Non Estoppel (OCT 1966)
- 252.227-7001 - Release Of Past Infringement (AUG 1984)
- 252.227-7013 - Rights In Technical Data -- Noncommercial Items (NOV 1995)
- 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)
- 252.227-7026 - Deferred Delivery Of Technical Data Or Computer Software (APR 1988)
- 252.227-7030 - Technical Data--Withholding Of Payment (MAR 2000)
- 252.227-7034 - Patents--Subcontracts (APR 1984)
- 252.227-7037 - Validation Of Restrictive Markings On Technical Data (SEP 1999)

- 252.227-7039 - Patents--Reporting Of Subject Inventions (APR 1990)
- 252.231-7000 - Supplemental Cost Principles (DEC 1991)
- 252.232-7003 - Electronic Submission Of Payment Requests (JAN 2004)
- 252.235-7010 - Acknowledgment Of Support And Disclaimer (MAY 1995)
- 252.235-7011 - Final Scientific Or Technical Report (SEP 1999)
- 252.242-7000 - Post Award Conference (DEC 1991)
- 252.242-7004 - Material Management And Accounting System (DEC 2000)
- 252.243-7002 - Requests For Equitable Adjustment (MAR 1998)
- 252.244-7000 - Subcontracts For Commercial Items And Commercial Components (DOD Contracts) (MAR 2000)
- 252.245-7001 - Reports Of Government Property (MAY 1994)
- 252.247-7023 - 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 - 6 Pages, With Exhibit A - DD Form 1423, Contract Data Requirements List - 1 Page.
- J-2** Attachment (2) – Personnel Qualifications - 6 Pages.
- J-3** Attachment (3) - DD Form 254, Contract Security Classification Specification, Ser 041-04 Dated 20040607 – 2 Pages.
- J-4** Attachment (4) – Accounting and Appropriation Data - 1 page. *
(* To be included at time of award)

PART IV - REPRESENTATIONS AND INSTRUCTIONS

SECTION - K

**REPRESENTATIONS, CERTIFICATIONS
AND OTHER STATEMENTS OF OFFERORS OR RESPONDENTS**

K-1 Representations, Certifications, and Other Statements of Offerors or Respondents

Each Offeror must submit a completed Representations, Certifications, and Other Statements Of Offerors or Respondents with its proposal which is available electronically in full text at <http://heron.nrl.navy.mil/contracts/rep sandcerts.htm>

Use Representations and Certifications: "A"

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

The fill in information is as follows:

The NAICS code for this acquisition is 541710.

The small business size standard is 500 employees.

SECTION L
INSTRUCTIONS CONDITIONS AND NOTICES
TO OFFERORS OR RESPONDENTS

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

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

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

FAR CLAUSE TITLE

- 52.204-6 - Data Universal Numbering System (DUNS) Number (OCT 2003)
- 52.204-7 - Central Contractor Registration (OCT 2003)
- 52.214-34 - Submission Of Offers In The English Language (APR 1991)
- 52.214-35 - Submission Of Offers In U.S. Currency (APR 1991)
- 52.215-1 - Instructions To Offerors- Competitive Acquisition (JAN 2004)
- 52.215-16 - Facilities Capital Cost Of Money (JUN 2003)
- 52.219-24 - Small Disadvantaged Business Participation Program - Targets (OCT 2000)
- 52.237-10 - Identification Of Uncompensated Overtime (OCT 1997)

DFAR CLAUSE TITLE

- 252.209-7001- Disclosure Of Ownership Or Control By The Government Of A Terrorist Country (MAR 1998)
- 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.CR
Naval Research Laboratory (NRL)
4555 Overlook Avenue, S.W.
Washington, D.C. 20375

Solicitation/RFP No. – N00173-04-R-CR04

Closing Date: September 2, 2004 Time: 4PM, local time

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>

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-14, Volume II – Business Proposal.

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

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

L-6 FAR 52.233-2 - SERVICE OF PROTEST (AUG 1996)

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

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

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

- (a) The terms used in this provision are defined in following clause or clauses contained in this solicitation—
 - (1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.
 - (2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small

Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

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

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

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

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

* For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such items, component, or process. For computer software or computer software documentation identify the software or documentation.

** Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

*** Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).

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

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

Date _____

Printed Name and Title _____

Signature _____

(End of identification and assertion)

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

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

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

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

L-9 GOVERNMENT-FURNISHED PROPERTY

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

L-10 INQUIRIES CONCERNING THE RFP

Any questions concerning the RFP must be submitted in writing to the Contracting Officer at the location noted in blocks 7 and 9 of the Standard Form 33, "Solicitation, Offer and Award," no less than fifteen (15) days before closing. The Government will not consider questions received after this date. Offerors are cautioned against directing any questions concerning this RFP to technical personnel at the Naval Research Laboratory.

L-11 PARTICIPATION IN SUBMISSION OF OFFER

Submission of proposals in response to the DARPA DCA-MANETS RFP does not preclude submission of proposals in response to this NRL RFP. However, contractors/subcontractors selected to participate in the DARPA program cannot also be selected to provide NRL test and evaluation support since it directly involves evaluation of the DARPA contractors.

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.

Offerors must propose in accordance with H-3 Level of Effort, Paragraph (k). If the Offeror uses a labor category other than that identified in Section H-3, the Offeror must provide a matrix clearly relating their proposed labor categories to those in Section H-3.

A. TECHNICAL UNDERSTANDING

The Offeror shall describe an understanding of the technical support requirements in the Statement of Work. Ensure that, at a minimum, the following areas are addressed: Ability to accomplish the full scope of technical requirements anticipated; approach to effective technical performance, including subcontracting; and ability to ensure consistent quality and availability of professional staff.

B. PERSONNEL QUALIFICATIONS

Provide resumes for all proposed personnel relevant to each labor category. The resume must reflect specific experience and qualifications of the proposed personnel relevant to the task(s) in the Statement of Work and previous experience including the degree to which they meet the requirements set forth in the Personnel Qualifications.

C. MANAGEMENT PLAN

The Offeror must provide a detailed management plan that will be followed during contract execution. The Offerors management plan must include the proposed lines of responsibility, authority, and communication through which tasks will be managed, and the procedures to be taken to insure quality control and cost control. The Offeror must define the proposed organizational structure (including responsibilities and reporting structure) for the project, how personnel will be assigned from

task to task throughout the contractual period, and how the proposed project team will interface with both the Offerors corporate structure and the Government. The Offeror must provide evidence of accomplished previous projects involving similar research in all task areas set forth in the SOW. The Offeror must identify relevant work performed on previous contracts by including contract number(s), Government agency/commercial entity, dollar amount(s), date(s) of performance, and the name(s) and telephone number(s) of Contracting Officer(s) and technical personnel.

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

L-15 MATERIAL ESTIMATE (FOR EVALUATION PURPOSES ONLY)

The material estimate and other direct costs set forth **MUST** be included in each offeror's cost proposal for evaluation purposes only. During the term of the contract, the contractor will be reimbursed actual and verifiable material and other direct associated expenses.

The Government estimates the material cost for this effort as identified below:

Task 1 - \$410,000.00

Task 2 – none anticipated

Task 3 – none anticipated

Task 4 – \$30,000.00

Task 5 – none anticipated

Task 6 – \$269,000.00

L-16 TRAVEL ESTIMATE (FOR EVALUATION PURPOSES ONLY)

The travel estimate and other direct costs set forth **MUST** be included in each offeror's cost proposal for evaluation purposes only. During the term of the contract, the contractor will be reimbursed actual and verifiable travel and other direct associated expenses in accordance with federal travel guidelines.

The Government estimates the travel cost for this effort as identified below:

Task 1 - \$40,000.00

Task 2 – \$40,000.00

Task 3 – \$40,000.00

Task 4 – \$40,000.00

Task 5 – none anticipated

Task 6 – \$100,000.00

L-17 MULTIPLE AWARDS

The Contracting Officer may make multiple awards resulting from this solicitation.

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 the technical factors are more important than the business factors, the closer the technical scores of the various proposals are to one another, the more important the business factors become.

M-2 EVALUATION FACTORS FOR AWARD

Proposals will be evaluated in accordance with the following factors that are listed in descending order of importance. The Management Plan sub-factor is of less importance than each of the Technical Understanding and Personnel Qualifications sub-factors, which are of equal importance.

M-2-1. TECHNICAL FACTORS

(1) TECHNICAL UNDERSTANDING

Evaluation will be based on the offeror's demonstrated knowledge and understanding of each of the technical requirements (task areas) in the Statement of Work.

(2) PERSONNEL QUALIFICATIONS

The proposed personnel will be evaluated on the offeror's ability to provide available personnel with experience, certification, and educational background along with the demonstrated the ability to perform the required tasks in the SOW and the previous experience of the key personnel including the degree to which they meet the requirements set forth in the Personnel Qualifications.

(3) MANAGEMENT PLAN

Evaluation will be based on the extent of corporate experience in performing, accomplishing, defining responsibilities, managing tasks, and accountability related specifically to tasks in the SOW.

M-2-2 BUSINESS FACTORS

(1) 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.

STATEMENT OF WORK

Test and Evaluation Support for Defense Against Cyber Attacks on Mobile Ad Hoc Network Systems (DCA-MANETS) Research and Development

Objective

The Defense Advanced Research Projects Agency (DARPA) Advanced Technology Office (ATO) is initiating a project of research, development, design, and testing to support its Defense against Cyber Attacks on Mobile Ad Hoc Network Systems (DCA-MANETS) program. See the DARPA website <http://darpa.srs.com/ato> for details on this project.

The objective of the DCA-MANETS program is to develop technologies to automatically and dynamically reconfigure MANET-based systems against cyber attack in order to support successful execution of missions in the face of malicious attacks and system failures including computer worms, malicious code, remote cyber intrusions, mobile network infrastructure attacks, and software and hardware run-time failures. The DCA-MANETS program starts with the premise that next generation Network Centric Warfare (NCW) systems will experience cyber attacks as well as hardware and software failures, and that without the availability of automatic, dynamic reconfiguration technology the NCW systems will be prevented from the successful execution of missions. One of the most severe cyber threats is expected to be worms with arbitrary payload that can infect and saturate MANET-based networks on the order of seconds. In addition, other attacks against the mobile networking infrastructure, overrun, capture, reverse engineering, and run-time software and hardware failures are expected to impede the ability for distributed applications that run over heterogeneous NCW platforms to successfully execute their missions. Human-required response will be insufficient to counter the threat space and to maintain mission integrity in the face of virulent attacks and failures.

A goal of the DCA-MANETS program is to perform extensive quantitative evaluation of proposed defense systems initially in laboratory settings and subsequently in field tests and experiments. The U.S. Naval Research Laboratory (NRL) will be serving as the primary test and evaluation (T&E) activity for this project and will develop and maintain a test bed.

The NRL DCA-MANETS test bed requires support to develop, maintain, and utilize the test bed capability for the quantitative evaluation of candidate DCA-MANETS technologies. A principal feature of the planned test bed is to provide a real-time mobile network emulation environment capable of running actual MANET protocol implementations, representative network applications, and proposed DCA-MANETS network defense solutions. Because of the wide scope of possible system designs, the test bed will need to be developed in a modular, flexible, and spiral fashion. The test bed will need to be thoroughly instrumented to provide effective measurement of system performance. The test bed will be used to establish baseline performance expectations using a government-furnished reference suite of network protocols and communication applications. Additionally, network information system attack and failure modules will be developed and applied against running candidate systems in the test bed environment to determine the effectiveness of the candidate defensive technologies being evaluated. NRL is seeking support in all of these areas for this project.

Task Description

The contractor(s) shall provide technical support to develop, maintain, and operate the NRL DCA-MANETS test bed. Five key areas have been identified for contractor support. Because of the wide scope of this project and these areas, it is possible that contractors may wish to submit proposals only for the area where they have specific expertise. As such, multiple awards may be made for this project.

The six key task areas include:

- 1) Mobile Network Emulator Test Bed Development
- 2) Representative C4I Test Application Development
- 3) Automated Test, Vulnerabilities, and Attack Generation Mechanisms Development
- 4) Test Bed Instrumentation Development
- 5) Test Bed Integration, Testing and Support
- 6) Test and Evaluation Operations Support

1) Mobile Network Emulator Test Bed Development

The contractor must create a Mobile Network Emulation (MNE) environment that will be used in Phase I *in lieu* of actual field tests. The MNE environment must allow for extensive testing and evaluation while maintaining practical cost as compared to field testing. The MNE environment must allow for flexible scenario configuration while providing experiment repeatability. The goal for the DCA-MANETS Phase I MNE environment is to support real-time configuration of 48 - 96 nodes participating in scripted mobility scenarios. A smaller number of individual processor nodes running virtual machines and multiple operating systems is an acceptable architecture for achieving scalability. However, a goal for the MNE design will be to support scalability to larger network sizes with the incremental addition of more computing resources. It is anticipated that a design that provides a virtual wireless network interface for each host platform with mechanisms for real-time control of neighbor connectivity and link quality can be created to meet these goals. Thus, the operation of the system above the network interface level (i.e., layer 3 and above) must be able to use actual network protocols and applications without modification. The fidelity to which the lower layers will be emulated is to-be-determined based on DCA-MANETS vendor approaches to network defense. For example, if an approach has performance dependent upon specific medium access control (MAC) protocol behaviors, a greater degree in the fidelity of the emulated lower layers may be required. Proposed MNE designs must address these potential issues. Because some forms of network defense may invoke network management mechanisms that include dynamic reconfiguration of lower layer (e.g., MAC) protocols, the MNE environment must provide software interfaces as appropriate for such node reconfiguration strategies. Other emulation node parameters such as node geo-location, velocity, etc., must be accessible and controllable by external processes running on the node computing platforms to allow for scripted and dynamic scenario control. In general, similar modular approaches to MNE environment design should be pursued where possible and practical. The MNE environment will be deployed in both government facilities and contractor facilities. It is preferred that the software and hardware architecture comprising the MNE environment be freely distributable both for purposes of the DCA-MANETS Project and future efforts involving MANET technologies.

Deliverables for Task 1 - Mobile Network Emulator Test Bed Development

- a. Hardware comprising the mobile network emulator test bed, to include a minimum of 48 individual processor modules.
- b. Software and scripts, to include source code, comprising the mobile network emulator.
- c. Design documentation for all hardware and software associated with the mobile network emulator.
- d. Installation and user reference manuals for all hardware and software components associated with the mobile network emulator.

2) *Representative C4I Test Application Development*

The contractor must develop a test application or set of test applications that will be used as representative of potential military Command, Control, Communication, Computing, and Intelligence (C4I) network communication applications. This application or set of applications must be consistent with the Joint Technical Architecture (JTA) Version 6.0 (<http://jta.disa.mil>). As a minimal baseline, a notional situational awareness (SA) application will be modeled with the test application to provide node position reporting and other data communication among the computing platforms participating in the test network. This will result in potentially numerous many-to-many (i.e., multicast) data flows leveraging IP Multicast communication for efficiency as well as some number of one-to-one (i.e., unicast) data flows between specified network nodes. The generation of network message traffic will be a combination of periodic (time-based) reporting, node position-triggered reports (e.g. the node generates messaging when its position changes), and other triggers (e.g. traffic sent in response to specific traffic types received from other nodes).

The test application must be configurable to emulate the characteristics of other types of anticipated military communication network data flows. This includes command and control traffic that may consist of one-to-many (i.e., multicast and/or broadcast) data flows and moderate rate (with respect to other flows) one-to-one (i.e., unicast) data flows. Again, the traffic generation may be time-based or event-triggered. Network data traffic anticipated for C4I applications supporting military logistics and intelligence systems may also be generated. This includes potentially multiple priority/precedence traffic types and potentially high data rate "push" and/or "pull" application flows.

The types of traffic flows, their destinations, trigger conditions, etc., must be dynamically controllable. The DCA-MANETS government team has sophisticated network test applications and traffic generation tools that can be leveraged for this effort. See the web sites <http://nettion.pf.itd.nrl.navy.mil> and <http://mgen.pf.itd.nrl.navy.mil> for information on some of these existing test tools. In general, the content of the data flows generated will not consist of the actual content that real C4I applications might contain. Instead, the content can contain information to facilitate the measurement of system performance within the test network. The government tool set provides this type of capability. One exception to this is that node position reporting information is included in the test applications which may be similar to position reporting information included in real SA data flows.

To support possible dynamic reconfiguration by proposed network defense technologies, the test application must provide software interfaces to allow control aspects of data flow generation. Example controls include pausing/resuming data flows in some cases, or redirecting data flows to alternate

destinations in response to detected attacks, which have compromised some portion of the network. With regards to the detection of attacks on the test application, it may be necessary for the proposed defensive technologies to have some means to monitor the test application performance and status. Again, software interfaces may need to be specified and implemented in response to specific DCA-MANETS proposals. Candidate T&E performers in this area must address these issues in their proposal.

Deliverables for Task 2 - Representative C4I Test Application Development

- a. Software and scripts, to include source code, comprising the representative C4I test application.
- b. Design documentation for all software and scripts associated with the representative C4I application.
- c. Installation and user reference manuals for all software and scripts associated with the representative C4I application.

3) *Automated Test, Vulnerability, and Attack Generation Mechanisms Development*

The contractor must provide support to create mechanisms to facilitate evaluation of MANET performance and candidate defense technologies, automated attack, vulnerability, and test generation capabilities. This includes:

- (a) Automated stimulation of applications/services running on end nodes, corresponding to characteristic MANET environments and applications;
- (b) Attack classes representative of current and future potential attacks against MANET systems with auto-attack generation mechanisms capable of generating attacks according to pre-defined attack classes and pre-defined attack scenarios;
- (c) Run-time failure modes corresponding to potential software and hardware failures with run-time fault injection to introduce run-time failures from software or emulated hardware failures; and
- (d) Automated vulnerability injection mechanism, to artificially introduce vulnerabilities in software application code while still allowing the code to perform its normal functions, except when the vulnerability is exercised by unique input. Vulnerability mechanism may modify source code or executable code, though executable code modification is desirable.

In all cases, the capabilities developed must ensure that artificialities are not generated that will skew test results for defenses against real attacks and run-time failures. Proposers may propose a subset of these capabilities that they can reliably deliver. The contractor must develop procedures and controls to conduct attacks in a manner to produce repeatable experiments and test scenarios.

Deliverables for Task 3 - Automated Test, Vulnerabilities, and Attack Generation Mechanisms

- a. Software and scripts, to include source code, comprising the Automated Test, Vulnerabilities, and Attack Generation Mechanisms.
- b. Design documentation for all software and scripts associated with the Automated Test, Vulnerabilities, and Attack Generation Mechanisms.
- c. Installation and user reference manuals for all software and scripts associated with the Automated Test, Vulnerabilities, and Attack Generation Mechanisms.

4) Test Bed Instrumentation Development

The Contractor must provide support and develop the test bed instrumentation. Upon development of the instrumentation the candidate DCA-MANETS technologies will be evaluated against the following DARPA Go/No-Go criteria:

1. Dynamically reconfigure the networked system in the face of malicious attack and failures such that in the worst case a worm spreading over the network is contained to a peak infection proportion of infected machines of 10% of vulnerable machines.
2. False reconfigurations are limited to 10% over normal sessions.
3. Good system throughput should not degrade more than 70% on average over the duration of an attack between any two source-destination pairs on the MANET.
4. Network overhead generated by distributed detection devices should not exceed more than 10% of baseline system throughput during normal conditions in order to assure viability in power constrained environments.

The contractor must provide test bed instrumentation and test tools to support achieving measurements of system performance for the baseline (with and without attacks) and for the candidate defensive technologies being evaluated against the DARPA Go/No-Go criteria. The Contractor must include mechanisms built into the mobile network emulator (e.g. node geo-location logging) and the test application (e.g. data flow transmission/reception logging). The Contractor must include a passive monitoring of network status and traffic flows in assessing system performance. This includes measuring the overhead of the technologies and protocols employed in the defensive measures implemented by DCA-MANETS performers. The instrumentation must perform sufficient data logging that efficient post-analyses can be performed to establish measures of system performance. Additionally, the instrumentation must permit real-time monitoring and visualization of system performance while tests are being executed. Approaches to instrumentation that can later be transitioned to live field experiments must be considered in this development.

Deliverables for Task 4 - Test Bed Instrumentation Development

- a. Hardware associated with the Test Bed Instrumentation.
- b. Software and scripts, to include source code, associated with the Test Bed Instrumentation.

- c. Design documentation for all hardware, software, and scripts associated with the Test Bed Instrumentation.
- d. Installation and user reference manuals for all hardware, software, and scripts associated with the Test Bed Instrumentation.

5) Test Bed Integration and Support

Components listed in items 1 - 4, above (mobile network emulator, representative C4I test application, automated test, vulnerabilities, and attack generation mechanisms development, and test bed instrumentation), may require integration, testing and evaluation, and Phase I testing support. The contractor must provide such support as required to integrate, test, and evaluate components listed in task items 1 - 4.

Deliverables for Task 5 - Test Bed Integration and Support

- a. Design documentation for all hardware, software, and scripts associated with the Test Bed Integration.
- b. Installation and user reference manuals for all hardware, software, and scripts associated with the Test Bed Integration.

6) Test and Evaluation Operations Support

Phase II of the DCA-MANETS program will consist of field testing DCA-MANETS defense mechanisms. Field testing of MANET systems in the past has consisted of using individual MANET nodes mounted on vehicles driving on military reservations. The government expects similar field testing with the DCA-MANETS program, using 30 - 40 live nodes. Furthermore, the government expects that this phase of the DCA-MANETS program will be 18 months long, with two 3-month field periods, each preceded by approximately six months of planning and preparation. The contractor must provide support to facilitate test, evaluation, trials, and experiments conducted with candidate technologies. The support includes administrative and logistics support prior to and during field tests, support equipment procurement (e.g., safety radios) and integration (e.g., vehicular radio mounts), assistance in DCA-MANETS test execution, data collection, post-analyses, and results reporting. This will also include maintenance of the test bed computing systems as required.

Deliverables for Task 6 - Test and Evaluation Operations Support

- a. Test and Evaluation Support Plan
- b. Test and Evaluation Results Reports

MINIMUM PERSONNEL QUALIFICATIONS

Task 1 - Mobile Network Emulator Test Bed Development

1. Project Manager. Must have a Bachelor's or Master's degree in project management, information systems/technology management or a related field (e.g., computer science, electrical engineering) from an accredited university or college.

And

If Bachelors degree, must have a minimum of 15 years experience that demonstrates the following or if Master's degree must have a minimum of 7 years experience that demonstrates the following: project planning, management, coordination, monitoring, and reporting in the area of information systems development with complex systems consisting of both hardware and software integration.

2. Senior Systems Architect: Must have a Bachelor of Science (BS) or Master of Science (MS) degree in computer science or electrical engineering from an accredited university or college.

And

If BS degree, must have a minimum of 15 years experience that demonstrates the following or if MS degree must have a minimum of 7 years experience that demonstrates the following: knowledge of systems engineering, Linux programming, network programming (i.e., TCP/IP) in C/C++, experience in virtual machine operations.

3. Systems Engineer: Must have a Master's or Bachelor's degree in electrical engineering or computer science from an accredited university or college.

And

Must have a minimum of 7 years of experience in Linux programming and network programming (e.g. TCP/IP) in C/C++.

4. Administrative Support: Must have a minimum of 3 years of business and software publishing experience; ability to track, schedule programs and projects, prepare reports and briefings.

Task 2 - Representative C4I Test Application Development

1. Project Manager. Must have a Bachelor's or Master's degree in project management, information systems/technology management or a related field (e.g., computer science, electrical engineering) from an accredited university or college.

And

If Bachelors degree, must have a minimum of 15 years experience that demonstrates the following or if Master's degree must have a minimum of 7 years experience that demonstrates the following: project planning, management, coordination, monitoring, and reporting in the area of complex software systems development.

2. Senior Software Architect: Must have a Bachelor of Science (BS) or Master of Science (MS) degree in computer science from an accredited university or college.

And

If BS degree, must have a minimum of 15 years experience that demonstrates the following or if MS degree must have a minimum of 7 years experience that demonstrates the following: software systems architecting, knowledge of software systems modeling and simulation, network programming (i.e., TCP/IP) in C/C++, experience with tactical military C4I applications.

3. Software Engineer: Must have a Master's or Bachelor's degree in computer science from an accredited university or college.

And

Must have a minimum of 7 years of experience in network programming (e.g. TCP/IP) in C/C++.

4. Administrative Support: Must have a minimum of 3 years of business and software publishing experience; ability to track, schedule programs and projects, prepare reports and briefings.

Task 3 – Automated Test, Vulnerability and Attack Generation Mechanism Development

1. Project Manager. Must have a Bachelor's or Master's degree in project management, information systems/technology management or a related field (e.g., computer science, electrical engineering) from an accredited university or college.

And

If Bachelors degree, must have a minimum of 15 years experience that demonstrates the following or if Master's degree must have a minimum of 7 years experience that demonstrates the following: project planning, management, coordination, monitoring, and reporting in the area of complex software systems development.

2. Senior Software Architect: Must have a Bachelor of Science (BS) or Master of Science (MS) degree in computer science or electrical engineering from an accredited university or college.

And

If BS degree, must have a minimum of 15 years experience that demonstrates the following or if MS degree must have a minimum of 7 years experience that demonstrates the following: functional understanding of worms and other malicious code programs, design and development of complex control systems, software systems integration.

3. Software Engineer: Must have a Master's or Bachelor's degree in computer science from an accredited university or college.

And

Must have a minimum of 7 years of experience in network programming (e.g. TCP/IP) in C/C++ and/or control systems.

4. Administrative Support: Must have a minimum of 3 years of business and software publishing experience; ability to track, schedule programs and projects, prepare reports and briefings.

Task 4 - Test Bed Instrumentation Development

1. Project Manager. Must have a Bachelor's or Master's degree in project management, information systems/technology management or a related field (e.g., computer science, electrical engineering) from an accredited university or college.

And

If Bachelors degree, must have a minimum of 10 years experience that demonstrates the following or if Master's degree must have a minimum of 5 years experience that demonstrates the following: project planning, management, coordination, monitoring, and reporting in the area of information systems development with complex systems consisting of both hardware and software integration.

2. Senior Systems Engineer: Must have a Bachelor of Science (BS) or Master of Science (MS) degree in computer science or electrical engineering from an accredited university or college.

And

If BS degree, must have a minimum of 15 years experience that demonstrates the following or if MS degree must have a minimum of 7 years experience that demonstrates the following: design and development of network performance complex control systems, understanding of network performance measurements.

3. Software Engineer: Must have a Master's or Bachelor's degree in computer science or electrical engineering from an accredited university or college.

And

Must have a minimum of 7 years of experience in network programming (e.g. TCP/IP) in C/C++ and/or software control systems.

4. Administrative Support: Must have a minimum of 3 years of business and software publishing experience; ability to track, schedule programs and projects, prepare reports and briefings.

Task 5 - Test Bed Integration, Testing and Support

1. Project Manager. Must have a Bachelor's or Master's degree in project management, information systems/technology management or a related field (e.g., computer science, electrical engineering) from an accredited university or college.

And

If Bachelors degree, must have a minimum of 15 years experience that demonstrates the following or if Master's degree must have a minimum of 7 years experience that demonstrates the following: project planning, management, coordination, monitoring, and reporting in the area of complex hardware/software systems integration and testing.

2. Hardware Engineer: Must have a Bachelor of Science (BS) or Master of Science (MS) degree in computer science or electrical engineering from an accredited university or college.

And

Must have a minimum of 7 years of experience in C/C++ programming (with network, e.g., socket, experience), Unix/Linux operating system programming and system administration, virtual machines experience, network/information systems integration, and network/information systems test and evaluation.

3. Software Engineer: Must have a Bachelor of Science (BS) or Master of Science (MS) degree in computer science or electrical engineering from an accredited university or college.

And

Must have a minimum of 7 years of experience in C/C++ programming (with network, e.g., socket, experience), Unix/Linux operating system programming and system administration, virtual machines experience, information systems integration, and information systems test and evaluation.

4. Administrative Support: Must have a minimum of 3 years of business and software publishing experience; ability to track, schedule programs and projects, prepare reports and briefings.

Task 6 - Test and Evaluation Operations Support

1. Project Manager: Must have a Bachelor of Science (BS) or Master of Science (MS) degree in electrical engineering or a related field (e.g., computer science, computer engineering) from an accredited university or college.

And

If BS degree, must have a minimum of 15 years experience that demonstrates the following or if MS degree must have a minimum of 5 years experience that demonstrates the following: leadership, management and coordination of large-scale field tests involving mobile ad hoc networks supporting DARPA, The Office of Naval Research, or other Department of Defense research activities.

2. Project Engineer x 2. Must have a Bachelor's degree in electrical engineering, computer science, or a related field (e.g., computer science, computer engineering) from an accredited university or college.

And

Must have a minimum of 5 years of experience in supporting/coordinating large-scale field tests involving mobile ad hoc networks supporting DARPA, The Office of Naval Research, or other Department of Defense research activities.

3. Logistics Support x 2. Must have a minimum of 3 years of logistics support experience supporting large-scale field tests involving mobile ad hoc networks supporting DARPA, The Office of Naval Research, or other Department of Defense research activities.

4. Administrative Support: Must have a minimum of 3 years of business and software publishing experience; ability to track, schedule programs and projects, prepare reports and briefings.

DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>				1. CLEARANCE AND SAFEGUARDING SER: 041-04					
				a. FACILITY CLEARANCE REQUIRED					
				SECRET					
				b. LEVEL OF SAFEGUARDING REQUIRED					
				SECRET					
2. THIS SPECIFICATION IS FOR: <i>(X and complete as applicable)</i>				3. THIS SPECIFICATION IS: <i>(X and complete as applicable)</i>					
a. PRIME CONTRACT NUMBER				<input checked="" type="checkbox"/>		a. ORIGINAL <i>(Complete date in all cases)</i>		DATE (YYYYMMDD)	
b. SUBCONTRACT NUMBER						b. REVISED <i>(Supersedes all previous specs)</i>		REVISION NO.	
								DATE (YYYYMMDD)	
<input checked="" type="checkbox"/>		c. SOLICITATION OR OTHER NUMBER		DUE DATE (YYYYMMDD)		c. FINAL <i>(Complete Item 5 in all cases)</i>		DATE (YYYYMMDD)	
		55-2143-04							
4. IS THIS A FOLLOW-ON CONTRACT? <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.									
5. IS THIS A FINAL DD FORM 254? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following:									
In response to the contractor's request dated _____, retention of the classified material is authorized for the period of _____									
6. CONTRACTOR <i>(Include Commercial and Government Entity (CAGE) Code)</i>									
a. NAME, ADDRESS, AND ZIP CODE				b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>			
FOR RFP PURPOSES ONLY. NOT VALID FOR ACTUAL CONTRACT.						N/A			
7. SUBCONTRACTOR									
a. NAME, ADDRESS, AND ZIP CODE				b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>			
N/A						N/A			
8. ACTUAL PERFORMANCE									
a. LOCATION				b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>			
N/A						N/A			
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT									
TEST AND EVALUATION SUPPORT FOR DEFENSE AGAINST CYBER ATTACKS ON MOBILE AD HOC NETWORK SYSTEMS (DCA-MANETS) RESEARCH AND DEVELOPMENT.									
10. CONTRACTOR WILL REQUIRE ACCESS TO:			YES	NO	11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:			YES	NO
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION			<input checked="" type="checkbox"/>		a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY				<input checked="" type="checkbox"/>
b. RESTRICTED DATA				<input checked="" type="checkbox"/>	b. RECEIVE CLASSIFIED DOCUMENTS ONLY				<input checked="" type="checkbox"/>
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION				<input checked="" type="checkbox"/>	c. RECEIVE AND GENERATE CLASSIFIED MATERIAL			<input checked="" type="checkbox"/>	
d. FORMERLY RESTRICTED DATA				<input checked="" type="checkbox"/>	d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE			<input checked="" type="checkbox"/>	
e. INTELLIGENCE INFORMATION				<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"/>
j. 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 5523

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 SECRET facility clearance, SECRET storage capabilities, and personnel available with DoD granted personnel security clearances commensurate with level of access required for performance of contract.

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NRL CONTRACTS
DIVISION

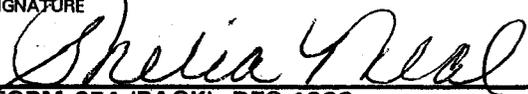
14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. Yes No
(*If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide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

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

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

a. TYPED NAME OF CERTIFYING OFFICIAL	b. TITLE	c. TELEPHONE (<i>Include Area Code</i>)
SHELIA NEAL	CONTRACTING OFFICER, SECURITY	(202) 767-2240/2391

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

e. SIGNATURE


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 1226, 5523, 5502