



INTRODUCTION:

This publication constitutes a Broad Agency Announcement (BAA) as contemplated in Federal Acquisition Regulation (FAR) 6.102(d)(2) and the Department of Defense Grants and Agreements (DoDGARS) Subpart 22.315(a). A formal Request for Proposals (RFP), solicitation, and/or additional information regarding this announcement will not be issued.

The Office of Naval Research (ONR) will not issue paper copies of this announcement. The ONR reserves the right to select for award all, some or none of the proposals in response to this announcement. The ONR reserves the right to fund all, some or none of the proposals received under this BAA. ONR provides no funding for direct reimbursement of proposal development costs. Technical and cost proposals (or any other material) submitted in response to this BAA will not be returned. It is the policy of ONR to treat all proposals as sensitive competitive information and to disclose their contents only for the purposes of evaluation.

I. GENERAL INFORMATION

1. Agency Name -

Office of Naval Research

2. Research Opportunity Title -

Low-Cost Over-The-Horizon SATCOM and Line-Of-Sight Communications

3. Program Name –

Low-Cost Over-The-Horizon Communications, SATCOM, and Line-Of-Sight Apertures
Future Naval Capabilities (FNC) Enabling Capability (EC)

4. Research Opportunity Number -

ONR BAA 07-031

5. Response Date -

White Papers: 16 Jul 2007
Full Proposals: 16 Aug 2007

6. Research Opportunity Description -

Low-Cost Over-The-Horizon SATCOM and Line-Of-Sight Communications efforts are shown below. White papers and proposals may be submitted on any or all of the efforts listed.

Effort 1- Low cost SATCOM-on-the-move array for Marine Corps HMMWVs and EFVs:

The government is seeking a low data rate system providing 6-10kbit/s half-duplex throughput at a not-to-exceed unit price of \$10K, and a very-low profile high data rate system providing throughput greater than 256 kbps transmit and 512 kbps receive while moving, at a not-to-exceed unit price of \$75K. The government will consider government Wideband Global Satellite System (WGS) and commercial SATCOM at X, Ku, and K/Ka bands. The ability to both WGS and commercial SATCOM with one system would be added benefit. Terminal solutions utilizing commercial band satellites as a minimum shall comply with the current version of INTELSAT Earth Station Standards-601 (IESS-601), Standard G. The government will consider a complete solution for the Marine Corps vehicle SATCOM requirements, including UHF. Solutions must meet vibration and tracking requirements for SATCOM-on-the-Move under "Churchville-B" off road test conditions. Solutions that can point at elevation angles of zero degrees relative to the horizon are desirable.

Effort 2-H-60 Helicopter Tactical Common Data Link (TCDL):

Multi-beam, Ku band TC DL, high bandwidth H-60 communications capability, to include air-to-ground, air-to-air, and airborne relay capabilities. Low power and low weight are essential. The minimum required data rate is 10.71 Mbps with a desired data rate of greater than 45Mbps. The government may consider air-to-air communications using other than TC DL waveforms within the TC DL frequencies, if these solutions are economical and have low power, weight, and size. Unit cost goal is less than \$600K per system.

Effort 3-Co-Planar Arrays:

This effort is addressing integrating products such that current and future naval combatants can optimally utilize available topside real estate, while reducing total life cycle costs. This effort is addressing the removal of large number line of sight antennas and the integration/embedding of the SRA 62 into superstructure of carriers. This effort is to address architectures of multiple narrowband or ultra-broadband transmitting and receiving arrays, which are installed within a common footprint. This effort will require models and analysis along with some prototypes to provide risk reduction of candidate architectures. The contractor shall be responsible for performing the necessary analysis in areas such as isolation, electromagnetic compatibility, aperture characteristics (antenna directivity, beamwidth, noise figure, noise gain) size, power, weight, and radar cross section.

All architectures must have realizable antennas which meet the requirements developed under this effort. Some antenna prototyping may be necessary and is anticipated under this effort.

Applicable to all efforts:

It is envisioned that each proposed effort shall consist of a study, followed by execution of the proposed approach, contingent upon a government decision to fund the approach.

All responses shall be implemented in an open architecture framework.

All interfaces and architectures delivered under this contract shall be government owned.

Any offeror supplying a programmable modem developed under this effort shall also deliver a firmware/software development tool kit to enable subsequent waveform development by the government. This requirement is not intended to apply to low-cost COTS/GOTS modems that require no further development.

All offerors shall supply a block diagram of the risk reduction system being developed under this effort, along with a block diagram of a tactical variant of the system. Any differences between the risk reduction and tactical variants shall be documented, and a description of any work required to move from the risk reduction design to the tactical design shall be provided.

All offerors shall conduct budgetary analysis of production and unit costs to demonstrate the anticipated acquisition cost of the system.

All offerors shall provide a link budget analysis to substantiate performance estimates of their risk reduction and tactical systems.

All proposals shall have a work breakdown structure and a spend plan that covers the duration of the work to be performed.

7. Point(s) of Contact –

Questions of a technical nature shall be directed via email to the cognizant Technical Point of Contact, as specified below. The subject of the email should clearly state the BAA number. Questions should be submitted by 1600 ET on 7 Jul 2007. Questions submitted after the deadline will not be answered.

Mr. Douglas Crowder
E-mail: CrowdeD@onr.navy.mil
Telephone: (703) 588-0185
Fax: (703) 696-1331

ONR Code 313
Office of Naval Research
875 North Randolph Street, Suite 1425
Arlington, VA 22203-1995

Questions of a business nature shall be directed to the cognizant Contract Specialist, as specified below:

Kristin Fuller
Contract Specialist
Office of Naval Research, Code BD251
875 North Randolph Street, Suite 1425
Arlington, VA 22203-1995
Telephone Number: (703) 696-4591
FAX Number: (703) 696-0066
Email Address: Kristin_Fuller@onr.navy.mil

8. Instrument Type(s) -

It is anticipated that primarily contracts will result from this announcement. However, ONR will consider awarding grants or cooperative agreements.

9. Catalog of Federal Domestic Assistance (CFDA) Numbers -

12.300

10. Catalog of Federal Domestic Assistance (CFDA) Titles -

DOD Basic and Applied Scientific Research

11. Other Information -

Not Applicable (N/A)

II. AWARD INFORMATION

The Office of Naval Research (ONR) may award multiple technology development contracts (particularly cost plus fixed fee (CPFF) type contracts) that represent the best value to the Government in accordance with the evaluation criteria. The Office of Naval Research is seeking participants for this program that are capable of supporting the goals described in this announcement. Offerors have the opportunity to be creative in the selection of the technical and management processes and approaches to address the research topics.

All efforts under this BAA will be funded from an anticipated budget that steadily declines from approximately \$11M in FY08 to approximately \$3M in FY11 for all efforts under this BAA. Efforts -1 and -2 are approximately equally funded and make up approximately 80% of the total effort. It is envisioned that each proposed effort shall consist of a study base effort, followed by an optional execution of the proposed approach contingent upon a government decision to fund the approach. The total period of performance for each effort is anticipated to be from three to four years, with an estimated start date of 03 Dec 2007, subject to date of final award and availability of new fiscal year funds.

ONR will consider proposals from Government Entities, outside of this BAA, that may draw from this budget.

ONR has funded related technology development under numerous programs. If Offerors are enhancing work performed under other ONR or DoD projects, they must clearly identify the point of departure and what existing work will be brought forward and what new work will be performed under this BAA.

III. ELIGIBILITY INFORMATION

All responsible sources may submit a proposal, which shall be considered by the Government. Proposals from foreign companies/entities will not be considered under this solicitation since the technology is export controlled.

Historically Black Colleges and Universities (HBCU) and Minority Institutions (MI) are encouraged to submit proposals and join others in submitting proposals. However, no portion of this BAA will be set aside for HBCU and MI participation due to the impracticality of reserving discrete or severable areas of Naval Communications Technology for exclusive competition among these entities.

Federal Funded Research and Development Centers (FFRDCs) may submit proposals under this BAA, unless otherwise restricted under their agreements with sponsoring agencies.

Independent organizations and teams are encouraged to submit proposals in any or all areas. However, Offerors must be willing to cooperate and exchange software, data and other information in an integrated program with other contractors, as well as with system integrators, selected by ONR.

IV. APPLICATION AND SUBMISSION INFORMATION

1. Application and Submission Process -

(A) White Papers: The due date for white papers is no later than 4:00 PM (ET) on 16 Jul 2007. White papers received after the published due date will not be considered for funding in FY08. Each white paper should state that it is submitted in response to this BAA and cite the specific research opportunity effort being addressed.

Evaluation/Notification: Initial Navy evaluations of the white papers will be issued via e-mail notification on or about 2 Aug 2007. A proposal will be requested from those Offerors whose proposed technologies have been identified as being of particular interest to the Navy. The Office of Naval Research (ONR) plans to award multiple technology development contracts (particularly cost plus fixed fee (CPFF) type contracts) that represent the best value to the Government in accordance with the evaluation criteria as being of "particular value" to the Navy. However, any such request for submission of a full proposal does not assure a subsequent award.

Submission of Full Proposal: Any Offeror may submit a full proposal even if its white paper was not identified as being of "particular interest". However, the Navy's initial evaluation of the white papers should give offerors some indication of whether a later full proposal would likely result in an award. Full proposals will not be considered under this BAA unless a white paper was received before the white paper due date specified above.

(B) Full Proposals: The due date for receipt of Full Proposals is 4:00 PM (ET) on 16 Aug 2007. ONR will select the efforts to be funded for FY08 start-up contingent upon the quality and completeness of the proposal and the level of available funding. It is anticipated that final selections will be made within 30 days after proposal submission. As soon as the final proposal evaluation process is completed, PIs will be notified via e-mail of their project's selection status. Proposals received after the published due date will not be considered for funding in FY08. Proposals exceeding the page limit will not be evaluated.

2. Content and Format of White Papers/Full Proposals –

The white papers and proposals submitted in response to this BAA are expected to be unclassified. However, confidential/classified proposals are permitted. Proposal submissions will be protected from unauthorized disclosure in accordance with FAR 15.207, applicable law, and DoD/DoN regulations. Offerors are expected to appropriately mark each page of their submission that contains proprietary information.

The proposal shall include a severable, self-standing Statement of Work which contains only unclassified information and does not include any proprietary restrictions.

IMPORTANT NOTE: Titles given to the white papers/proposals should be descriptive of the work they cover and not be merely a copy of the title of this solicitation.

White Paper Format:

- Paper Size – 8.5 x 11 inch paper
- Margins – 1” inch
- Spacing – single or double-spaced
- Font – Times New Roman, 12 point
- Number of Pages – No more than five (5) single-sided pages (excluding cover page and resumes). White Papers exceeding the page limit may not be evaluated.
- Copies – one (1) original and one (1) electronic copy on CD-ROM, (in Microsoft® Word).

White Paper Content:

White Paper shall include a cover page. The Cover Page shall be labeled “PROPOSAL WHITE PAPER”, and shall include the BAA number, proposed title, Offeror’s administrative and technical points of contact, with telephone numbers, facsimile numbers, and Internet addresses, and shall be signed by an authorized officer.

White papers must address the following:

1. Laboratory Project Manager and/or Principal Investigator
2. Research Opportunity and Effort being addressed
3. Technical approach
4. Deliverables
5. Recent technical breakthroughs that will reduce risk
6. Project plan showing schedule of individual tasks
7. Funding plan showing requested funding per task, per fiscal year

Full Proposal Format – Volume 1 - Technical and Volume 2 - Cost Proposal

- Paper Size – 8.5 x 11 inch paper
- Margins – 1” inch
- Spacing – single or double-spaced
- Font – Times New Roman, 12 point
- Number of Pages – Volume 1 is limited to no more than thirty nine (39) pages. Volume 2 has no page limit. The cover page, table of contents, and resumes are excluded from the page limitations. Full Proposals exceeding the page limit may not be evaluated.
- Copies – one (1) original, and one (1) electronic copy on CD-ROM, (in Microsoft® Word or .PDF format).

Content of Volumes 1 and 2

Volume 1: Technical Proposal

Volume 1 of the Full Proposal shall include the following sections, each starting on a new page. Please pay attention to the page limitations for each section as specified below.

- **Cover Page**: (Not included in page limitations.) This should include the words “Technical Proposal” and the following information:
 - 1) BAA number;
 - 2) Title of Proposal;
 - 3) Identity of prime Offeror and complete list of subcontractors, if applicable;
 - 4) Principal Investigator (PI) contact (name, address, phone/fax, electronic mail address);
 - 5) Administrative/business contact (name, address, phone/fax, electronic mail address); and,
 - 6) Duration of effort (differentiate basic effort and any options)
- **Table of Contents**: Not included in page limitations.
- **Executive Summary**: Summarize the technology you are proposing and the expected improvements to the Navy. Not to exceed two (2) pages.
- **Concept of Operation for the Navy**: A summary of the way in which the proposal’s product(s) would support the Navy in an operational context. Include quantitative specifications for how the products will improve operational performance. Not to exceed two (2) pages.
- **Statement of Work**: A Statement of Work (SOW) clearly detailing the scope and objectives of the effort and the technical approach. It is anticipated that the proposed SOW will be incorporated as an attachment to the resultant award instrument. To this end, such proposals must include a severable self-standing SOW without any proprietary restrictions, which can be attached to the contract or agreement award. Include a detailed listing of the technical tasks/subtasks organized by year. Not to exceed five (5) pages.
- **Project Schedule and Milestones**: A summary of the schedule of events and milestones. Not to exceed one (1) page.
- **Assertion of Data Rights**: For a contract award an Offeror may provide with its proposal assertions to restrict use, release or disclosure of data and/or computer software that will be provided in the course of contract performance. The rules governing these assertions are prescribed in Defense Federal Acquisition Regulation

Supplement (DFARS) clauses 252.227-7013, -7014 and -7017. These clauses may be accessed at the following web address:

<http://farsite.hill.af.mil/VFDFARA.HTM>

The Government may challenge assertions that are provided in improper format or that do not properly acknowledge earlier federal funding of related research by the Offeror. The table submitted in accordance with this clause should be a severable attachment to the proposal, which will not be counted towards the page limitations. If there are no claims of proprietary rights in pre-existing data, this section shall consist of a statement to that effect.

- **Technical Approach:** A detailed description of the planned approach, with sufficient detail to address technical risks and risk mitigation strategy. Not to exceed eight (8) pages.
- **Deliverables: Applicable to contracts only; this does not apply to grant instruments.** A detailed description of the products to be delivered inclusive of the timeframe in which they will be delivered. Not to exceed one (1) page.
- **Operational Utility:** A detailed plan for assessing the operational utility of the key products of this effort during a Fleet or Marine operational exercise, including proposed metrics. Not to exceed two (2) pages.
- **Qualifications:** A discussion of previous accomplishments and work in this, or closely related, areas, and the qualifications of the investigators. Key personnel resumes shall be attached to the proposal and will not count toward the page limitations. Not to exceed three (3) pages.
- **Management Approach:** A discussion of the overall approach to the management of this effort, including brief discussions of the total organization, use of personnel, project/function/subcontractor relationships, government research interfaces, and planning, scheduling and control practice. Identify which personnel and subcontractors (if any) will be involved. Include a description of the facilities that are required for the proposed effort with a description of any Government Furnished Equipment/Hardware/Software/Information required, by version and/or configuration. Not to exceed five (5) pages.

Volume II: Cost Proposal

The Cost Proposal shall consist of a cover page and two parts, Part 1 and Part 2. Part 1 will provide a detailed cost breakdown of all costs by cost category by calendar and Government fiscal year, and Part 2 will provide a cost breakdown by task/sub-task using the same task numbers in the Statement of Work. Options must be separately priced.

- Cover Page: The use of the SF 1411 is optional. This proposal should include the words “Cost Proposal” and the following:
 - 1) BAA number;
 - 2) Title of Proposal;
 - 3) Identity of prime Offeror and complete list of subcontractors, if applicable;
 - 4) Technical contact (name, address, phone/fax, electronic mail address);
 - 5) Administrative/business contact (name, address, phone/fax, electronic mail address);
 - 6) Duration of effort (differentiate basic effort and options) ; and
 - 7) Summary statement of proposed costs

- Part 1: Detailed breakdown of all costs by cost category by calendar and Government fiscal year:
 - 1) Direct Labor - Individual labor category or person, with associated labor hours and unburdened direct labor rates;
 - 2) Indirect Costs - Fringe Benefits, Overhead, G&A, COM, etc. (Must show base amount and rate.);
 - 3) Travel - Number of trips, number of days per trip, departure and arrival destinations, number of people, etc;
 - 4) Subcontract - A cost proposal as detailed as the Offeror’s cost proposal will be required to be submitted by the subcontractor. The subcontractor’s cost proposal can be provided in a sealed envelope with the Offeror’s cost proposal or will be obtained from the subcontractor prior to award;
 - 5) Consultant - Provide consultant agreement or other document which verifies the proposed loaded daily/hourly rate;
 - 6) Materials - Should be specifically itemized with description of proposed items and associated number of units, unit costs and total amount. An explanation of any estimating factors, including their derivation and application, shall be provided. Please include a brief description of the Offeror's procurement method to be used;
 - 7) Other Directs Costs, particularly any proposed items of equipment or facilities. Equipment and facilities generally must be furnished by the contractor/recipient. (Justification must be provided when Government funding for such items is sought.) Include a brief description of the Offeror's procurement method to be used (competition, engineering estimate, market survey, etc.).
 - 8) Proposed Fee/Profit, including fee percentage (contract proposals only).

- Part 2: Cost breakdown by task/sub-task using the same task numbers in the Statement of Work.

**3. Significant Dates and Times -
Anticipated Schedule of Events ***

<u>EVENT</u>	<u>DATE (MM/DD/YEAR)</u>	<u>TIME (EASTERN TIME)</u>
Deadline for Questions	7 Jul 2007	4:00 PM
White Papers Due Date	16 Jul 2007	4:00 PM
Notification of Initial Navy Evaluations of White Papers	2 Aug 2007	4:00 PM
Full Proposal Due Date	16 Aug 2007	4:00 PM
Issued Awards	3 Dec 2007	TBD

* These dates are estimates as of the date of this announcement.

4. Submission of Late Contract Proposals –

If the Offeror is seeking a contract, any proposal, modification, or revision that is received at the designated Government office after the exact time specified for receipt of proposals is “late” and will not be considered unless it is received before award is made, the contracting officer determines that accepting the late proposal would not unduly delay the acquisition and:

- (a) If it was transmitted through an electronic commerce method authorized by the announcement, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of proposals; or
- (b) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of proposals and was under the Government’s control prior to the time set for receipt of proposals; or
- (c) It was the only proposal received.

However, a late modification of an otherwise timely and successful proposal that makes its terms more favorable to the Government will be considered at any time it is received and may be accepted.

Acceptable evidence to establish the time or receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the Government office designated for receipt of proposals by the exact time specified in the announcement, and urgent Government requirements preclude amendment of the announcement closing date, the time specified for receipt of proposals will be deemed to be extend to the same time of day specified in the announcement on the first work day on which normal Government processes resume.

The contracting officer must promptly notify any Offeror if its proposal, modifications, or revision was received late and must inform the Offeror whether its proposal will be considered.

NOTE: Due to changes in security procedures since September 11, 2001, the time required for hard-copy written materials to be received at the Office of Naval Research has increased. Thus it is recommended that any hard-copy proposal be mailed several days before the deadline established in the solicitation so that it will not be received late and thus be ineligible for award consideration.

5. Submission of Grant Proposals to Grants.gov

Grant proposals may be submitted through Grants.gov or by hard copy. Regardless of whether Grants.gov is used or “hardcopy” submission, the Offeror must use the Grants.gov forms from the application package template associated with the BAA on the Grants.gov website. To be considered for award, applicants must include the ONR Department Code in Block 4 entitled ‘Federal Identifier’ of the Standard Form (SF) 424 R&R. **Please be sure to enter Department Code 313.**

However, it should be noted that “white papers” should not be submitted through Grants.gov Apply process; the only acceptable medium will be hard copy. White papers may be submitted in hard copy (either electronically or paper) directly to the cognizant ONR Science and Technology Department (see paragraph 6 below). White paper submissions may be mailed, faxed, or emailed directly to the appropriate ONR Program Officer/Program Manager.

For electronic submission, there are several one-time actions that must be completed in order to submit an application through Grants.gov (e.g., obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number, register with the Central Contract Registry (CCR), register with the credential provider, and register with Grants.gov). See www.grants.gov, specifically www.grants.gov/GetStarted.

Use the Grants.gov Organization Registration Checklist at <http://www.grants.gov/assets/OrganizationRegCheck..doc> http://www.grants.gov/applicants/register_your_organization.jsp which will provide guidance through the process. Designating an E-Business Point of Contact (EBiz POC) and obtaining a special password called ‘MPIN’ are important steps in the CCR registration process. Applicants who are not registered with CCR and Grants.gov, should allow at least 21 days to complete these requirements. It is suggested that the process be started as soon as possible. Additionally, in order to download the application package, applicants will need to install PureEdgeViewer. This small, free program will allow applicants to access, complete and submit applications electronically and securely. For a free version of the software, visit the following website: www.grants.gov/DownloadViewer. If any questions that may arise relating to the registration process, system requirements, how an application form works, or the

submission process must be directed to Grants.gov at 1-800-518-4726 or support@grants.gov.

Detailed instructions entitled, “Grants.Gov Electronic Application and Submission Information”, on how to submit a Grant proposal through Grants.gov may be found at the ONR website listed under the ‘Acquisition Department – Contracts & Grants Submitting a Proposal’ link at: http://www.onr.navy.mil/02/how_to.asp

6. Address for the Submission of Hard Copy White Papers and Full Proposals for Contracts and Grants

Hard copies of white papers and full proposals for Contracts and Grants should be sent to the Office of Naval Research at the following address:

Mr. Douglas Crowder
Electronics, Sensors, and Networks Research Division
Code ONR 313
Office of Naval Research
875 North Randolph Street, Suite 1425
Arlington, VA 22203-1995
E-mail: CrowdeD@onr.navy.mil
Telephone: (703) 588-0185
Fax: (703) 696-1331

NOTE: FULL PROPOSALS SENT BY FAX OR E-MAIL WILL NOT BE CONSIDERED. WHITE PAPERS AND PROPOSALS SHOULD BE MAILED TO THE ADDRESS STATED ABOVE. HAND CARRIED PACKAGES ARE NOT ACCEPTABLE.

V. EVALUATION INFORMATION

1. Evaluation Criteria –

The following evaluation criteria apply to both the White Papers and the Full Proposals.

These submissions will be selected through a technical/scientific/cost decision process with technical and scientific considerations being more important than cost. Even though cost is of less importance than any of the technical factors, it will not be ignored. The degree of its importance will increase with the degree of equality of the proposals in relation to the other factors on which selection is to be based, or when the cost is so significantly high as to diminish the value of the technical superiority to the Government. Criteria A-D are listed in descending order of priority. Any sub-criteria listed under a particular criterion are of equal importance to each other.

- A. Overall scientific and technical merits of the proposal
 - 1. The degree of innovation
 - 2. The soundness of technical concept

3. The Offeror's awareness of the state of the art and understanding of the scope of the problem and the technical effort needed to address it
- B. Naval relevance, transition potential and anticipated contributions of the proposed technology to support SATCOM and LOS communications.
- C. Offeror's capabilities, related experience, and past performance, including the qualifications, capabilities and experience of the proposed principal personnel
1. The quality of technical personnel proposed
 2. The Offeror's experience in relevant efforts with similar resources
 3. The ability to manage the proposed effort
- D. The realism of the proposed cost
1. Total cost relative to benefit
 2. Realism of cost levels for facilities and staffing

For proposed awards to be made as contracts to large businesses, the socio-economic merits of each proposal will be evaluated based on the extent of the Offeror's commitment in providing meaningful subcontracting opportunities for small businesses, small disadvantaged businesses, woman-owned small businesses, HUBZone small businesses, veteran-owned small businesses, service disabled veteran-owned small businesses, historically black colleges and universities, and minority institutions.

Industry-Academia Partnering – ONR highly encourages partnering among industry and academia with a view toward speeding the incorporation of new science and technology into fielded systems. Proposals that utilize industry-academic partnering which enhances the development of novel S&T advances will be given favorable consideration

2. Evaluation Panel -

Potential Offerors should understand that government technical experts drawn from the Office of Naval Research and other naval and defense activities/agencies will participate in the evaluation of the Full Proposals. The Government may use selected support contractor personnel to assist in providing both technical expertise and administrative support regarding any ensuing proposals from this announcement. However, proposal selection and award decisions are solely the responsibility of Government personnel. Each support contractor's employees having access to technical and cost proposals submitted in response to this BAA will be required to sign a non-disclosure statement prior to receipt of any proposal submissions. These support contractors will be bound by appropriate non-disclosure agreements to protect proprietary and source-selection information.

VI. AWARD ADMINISTRATION INFORMATION

1. Administrative Requirements –

- The North American Industry Classification System (NAICS) code – The North

American Industry Classification System (NAICS) code for this announcement is 541710 with a small business size standard of 500.

- CCR - Successful Offerors not already registered in the Central Contractor Registry (CCR) will be required to register in CCR prior to award of any grant, contract, cooperative agreement, or other transaction agreement. Information on CCR registration is available at <http://www.onr.navy.mil/02/ccr.htm>.
- Certifications – Proposals for contracts and assistance agreements should be accompanied by a completed certification package which can be accessed on the ONR Home Page at Contracts & Grants located at http://www.onr.navy.mil/02/rep_cert.asp.

For contracts, in accordance with FAR 4.1201, prospective contractors shall complete electronic annual representations and certifications at <http://orca.bpn.gov>. The Online Representations and Certifications Application (ORCA) must be supplemented by DFARS and contract specific representations and certifications found at http://www.onr.navy.mil/02/rep_cert.asp. This requirement is also applicable for other transaction proposals involving prototypes (Section 845 agreements).

For grant proposals and proposals for cooperative agreements or other transaction agreements (other than for prototypes), the certification package is entitled, "[Certifications for Grants and Agreements](#)."

For grant proposals submitted through grants.gov, the following certification applies to each applicant seeking federal funds exceeding \$100,000:

Certification Regarding Lobbying Activities - (1) No Federal appropriated funds have been paid or will be paid by or on behalf of the applicant, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the Federal contract, grant, loan, or cooperative agreement, the applicant shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The applicant shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a

prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S.C. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

- Subcontracting Plans - Successful contract proposals that exceed \$550,000, submitted by all “but small business concerns”, will be required to submit prior to award a Small Business Subcontracting Plan in accordance with FAR 52.219-9, prior to award.

2. Reporting -

The following is a sample of reporting deliverables that could be required under a research effort. The following deliverables, primarily in contractor format, are anticipated as necessary. However, specific deliverables should be proposed by each Offeror and finalized with the contracting agent:

- Detailed Technical Data
- Technical and Financial Progress Reports
- Presentation Material(s)
- Other Documentation or Reports, as required
- Final Report

Research may also include the delivery of software, prototypes, and other hardware deliverables. Additional data deliverables may be proposed by each offeror and finalized during negotiations.

VII. OTHER INFORMATION

1. Government Property/Government Furnished Equipment (GFE) and Facilities

Each Offeror must provide a very specific description of any equipment/hardware that it needs to acquire to perform the work. This description should indicate whether or not each particular piece of equipment/hardware will be included as part of a deliverable item under the resulting award. Also, this description should identify the component, nomenclature, and configuration of the equipment/hardware proposed to be purchased for this effort. It is the Government’s desire to have the contractors purchase the equipment/hardware for deliverable items under their contract. The purchase on a direct reimbursement basis of special test equipment or other equipment that is not included in a deliverable item will be evaluated for allowability on a case-by-case basis.

Offerors are expected to provide all facilities (equipment and/or real property) necessary for the performance of the proposed effort. Any direct charge of facilities, not including deliverable items, must be specifically identified in the Offeror’s proposal and approved by the Government prior to purchase. In addition, any request to use Government owned facilities must be included in the Offeror’s proposal and approved in advance by the cognizant Government official. After contract award, requests to use Government

integration, test, and experiment facilities will be considered on a case by case basis based on availability and justification of need.

2. Security Classification

All proposals are expected to be unclassified. However, confidential/classified proposals are permitted.

In order to facilitate intra-program collaboration and technology transfer, the Government will attempt to enable awardees to work at the unclassified level to the maximum extent possible.

If awardees use unclassified data in their deliveries and demonstrations regarding a potential classified project, they should use methods and conventions consistent with those used in classified environments. Such conventions will permit the various subsystems and the final system to be more adaptable in accommodating classified data in the transition system.

3. Project Meetings & Reviews

Individual program reviews between the ONR sponsor and the performer may be held, as necessary.

Program status reviews may also be held to provide a forum for reviews of the latest results from experiments and any other incremental progress towards the major demonstrations. These meetings will be held at various sites throughout the country. For costing purposes, Offerors should assume that 40% of these meetings will be at or near ONR, Arlington VA and 60% at other contractor or government facilities. Interim meetings are likely, but these will be accomplished via video telephone conferences, telephone conferences, or via web-based collaboration tools.

4. Use of Animals and Human Subjects in Research

If animals are to be utilized in the research effort proposed, the Offeror must complete a DOD Animal Use Protocol with supporting documentation (copies of AAALAC accreditation and/or NIH OLAW Animal Welfare Assurance approval letter, IACUC approval, research literature database searches, and the two most recent USDA inspection reports) prior to award. Similarly, for any proposal for research involving human subjects the Offeror must submit prior to award: documentation of approval from an Institutional Review Board (IRB); IRB-approved informed consent form; IRB-approved research protocol; an executive summary of planned research (one-half to one page in length); proof of completed human research training (e.g., training certificate, institutional verification of training, etc.); an application for a DoD Navy Addendum to the Offeror's DHHS-issued Federalwide Assurance (FWA) or the Offeror's DoD Navy Addendum number. The forms for assurance applications can be found at http://www.onr.navy.mil/sci_tech/34/343/. If the research is determined by the IRB to

be greater than minimal risk, the Offeror also must provide the name and contact information for the independent medical monitor. [Note: for research involving human subjects that is greater than minimal risk, administrative procedures to protect human subjects from medical expenses (not otherwise provided or reimbursed) that are the direct result of participation in a research project must be addressed. Documentation describing those procedures may be requested. For additional information on this topic please email 343_contact@onr.navy.mil.] For assistance with submission of animal and human subject research related documentation, contact the ONR Animal/Human Use Administrator at (703) 696-4046.

5. Roles of the Navy Warfare Centers

The Navy Warfare Centers will have the primary role for the integration and experimentation/demonstration process. They will also participate in the development of technologies where there are unique capabilities and facilities of interest to the Electronic Warfare Discovery and Invention program. They will also assist ONR in the management, engineering, and administrative tasks and will provide government furnished equipment (GFE) and facilities that will be used for system level integration and portions of experiment execution.

6. Department of Defense High Performance Computing Program

The DoD High Performance Computing Program (HPCMP) furnishes the DoD S & T and DT & E communities with use-access to very powerful high performance computing systems. Awardees of ONR contracts, grants, and assistance instruments may be eligible to use HPCMP assets in support of their funded activities if ONR Program Officer approval is obtained and if security/screening requirements are favorably completed. Additional information and an application may be found at <http://www.hpcmo.hpc.mil/>.

7. Protection of Proprietary and Sensitive Information

The parties acknowledge that, during performance of the contract resulting from this BAA, the Contractor may require access to certain proprietary and confidential information (whether in its original or derived form) submitted to or produced by the Government. Such information includes, but is not limited to, business practices, proposals, designs, mission or operation concepts, sketches, management policies, cost and operating expense, technical data and trade secrets, proposed Navy budgetary information, and acquisition planning or acquisition actions, obtained either directly or indirectly as a result of the effort performed on behalf of ONR. The Contractor shall take appropriate steps not only to safeguard such information, but also to prevent disclosure of such information to any party other than the Government. The Contractor agrees to indoctrinate company personnel who will have access to or custody of the information concerning the nature of the confidential terms under which the Government received such information and shall stress that the information shall not be disclosed to any other party or to Contractor personnel who do not need to know the contents thereof for the performance of the contract. Contractor personnel shall also be informed that they

shall not engage in any other action, venture, or employment wherein this information will be used for any purpose by any other party.