

ONR BAA Announcement # ONR 08-004



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
875 North Randolph Street - Suite 1425
Code 312EW
Arlington, VA 22203-1995

2. Research Opportunity Title -

Electronic Warfare Technology

3. Program Name –

Electronic Warfare Discovery and Invention (D&I)

4. Research Opportunity Number –

ONR BAA 08-004

5. Response Date -

White Papers: 12 February 2008

Full Proposals: 12 May 2008

6. Research Opportunity Description -

The goal of electronic warfare is to control the electromagnetic (EM) spectrum by exploiting, disrupting, or denying enemy use of the spectrum while ensuring its use by friendly forces. To that end, ONR's Electronic Warfare Discovery and Invention (D&I) program invests in science and technology (S&T) initiatives that will provide Naval forces (including Navy and Marine Corps) with improved threat warning systems, electronic support measures (ESM), decoys, and electronic attack (EA) countermeasures as well as communication and navigation countermeasures.

ONR 312 Electronic Warfare (EW) seeks white papers for efforts that shall develop and demonstrate technologies for the next generation components and systems in Electronic Warfare. Although white papers addressing any truly innovative EW S&T will be considered, the primary emphasis of this BAA is on Advanced Radio Frequency (RF) Countermeasures Technology and Techniques. Proposed efforts should focus on development of technology and techniques to counter advanced threat radar and RF threat guidance systems employing waveform diversity, imaging techniques, passive detection/tracking, and advanced Electronic Protection (EP) features. The scope also includes multi-spectral threats and countermeasures to Integrated Air Defense Systems (IADS), as well as methods to monitor and assess the effectiveness of countermeasures on threat systems in real-time.

6.1 Advanced Electronic Attack (EA) System Architectures

The objective is to investigate concepts, techniques, and components of advanced RF Electronic Attack (EA) systems to increase Naval (Navy and Marine Corps) dominance of the EW spectrum. Potential areas of investigation include:

- a. Wideband, high sensitivity receivers with embedded high-speed EA cueing capability.
- b. Dynamic technique generators with responses based on received waveform characterization rather than pre-programmed responses.
- c. RF apertures (antennas) with inherent receive/transmit capabilities that are rapidly selectable and reconfigurable.
- d. End-to-end, real-time modeling and characterization of EA system architectures to permit performance optimization analyses.

6.2 Advanced RF Countermeasures

The objective is to increase Naval (Navy and Marine Corps) capabilities to defeat advanced RF threats which can have one or more of the following characteristics or features:

- a. Wide bandwidth
- b. Waveform agility / diversity
- c. Wide dynamic range / power management
- d. Imaging capability (Synthetic Aperture Radar (SAR) / Inverse SAR)
- e. Passive detection / tracking capability
- f. Networked sensors
- g. Multi-spectral sensors
- h. Data fusion
- i. Advanced Electronic Protection (EP)

6.3 Countermeasures Development Methodology

The objective is to provide Naval (Navy and Marine Corps) forces with a standardized methodology for evaluating countermeasures effectiveness, thereby minimizing the need for costly and time consuming developmental field testing at military test ranges. This methodology should apply to all stages of development ranging from early Science and Technology (S&T) to pre-production design evaluation. Potential areas of investigation may include:

- a. Modelling and simulation
- b. Design tools
- c. Databases
- d. Measures of effectiveness

6.4 Real-time EA Effectiveness Monitoring

A longtime limitation of Electronic Warfare (EW) has been the lack of a mechanism or methodology to provide real-time feedback regarding the effectiveness of EW techniques; in effect, the EW equivalent of battle damage assessment (BDA). Therefore, the objective is to develop methods to monitor and assess the effectiveness of Naval (Navy and Marine Corps) Electronic Attack (EA) systems in real-time using

sensors/systems onboard or under the control of the attacking asset. The goal is to determine if a technique is working, assess how well it is working, and provide feedback to permit dynamic control of EA systems to more efficiently utilize limited EW resources. Efforts in this area might include:

- a. Investigating EA artifacts and feedback mechanisms
- b. Modeling and simulation of EA system interactions and impacts
- c. Modifications to Naval sensors to exploit EA characteristics

7. Point(s) of Contact –

Questions of a technical nature shall be directed to the cognizant Technical Point of Contact, as specified below:

Dr. Peter Craig
ONR 312 Electronic Warfare Program Manager
Electronic Warfare Program (Code 312EW)
Electronics, Sensors, and Network Research Division
Office of Naval Research
875 North Randolph Street, Suite 1425
Arlington, VA 22203-1995
Telephone: (703) 696-0114
Fax: (703) 696-1331
E-mail: peter.craig@navy.mil

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

Primary:

Ms. Amarilis Cartagena
Contract Specialist
Contract and Grant Awards Management, Code ONR 0251
Office of Naval Research
875 North Randolph Street, Suite 1425
Arlington, VA 22203-1995
Telephone Number: (703) 696-0690
FAX Number: (703) 696-0066
Email Address: amarilis.cartagena@navy.mil

Secondary:

Ms. Vera M. Carroll
Acquisition Branch Head
Contract and Grant Awards Management, Code ONR 0251
Office of Naval Research

875 North Randolph Street, Suite 1425
Arlington, VA 22203-1995
Telephone Number: (703) 696-2610
FAX Number: (703) 696-0066
Email Address: vera.carroll@navy.mil

**** Important Notices Regarding Questions of a Business Nature ****

- All questions shall be submitted in writing by electronic mail.
- Questions presented by telephone call, fax message, or other means will not be responded to.
- Questions regarding **white papers** must be submitted by e-mail no later than 2:00 p.m. Eastern Standard Time (EST) on **Thursday, 31 January 2008**. Questions received after this date and time may not be answered and the due date for submission of the white papers may not be extended.
- Questions regarding **full proposals** must be submitted by e-mail no later than 2:00 P.M. Eastern Standard Time on **Wednesday, 30 April 2008**. Questions after this date and time may not be answered and the due date for submission of the proposals may not be extended.

8. Instrument Type(s) -

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

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) 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. 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.

ONR anticipates a budget of \$2,000,000.00 per annum for the period FY09-FY11 for this program. ONR plans to fund individual awards of \$100,000.00 to \$750,000.00 per year, using Discovery and Invention (D&I) (Budget Category 6.2) funds. However, lower and higher cost proposals will be considered. The period of performance for projects may be from one to three years, scoped as a one (1) year Base effort and up to two sequential one (1) year Option efforts. Projects will have an estimated start date of 31 October 2008, subject to date of final award and availability of new fiscal year funds. Some portion of this budget may fund research requests in this program area received from Government entities outside of this BAA.

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 from academia and industry may submit proposals under this BAA. Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) 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.

Federally Funded Research & Development Centers (FFRDCs), including Department of Energy National Laboratories, are not eligible to receive awards under this BAA. However, teaming arrangements between FFRDCs and eligible principal bidders are allowed so long as they are permitted under the sponsoring agreement between the Government and the specific FFRDC.

Navy laboratories and warfare centers as well as other Department of Defense and civilian agency laboratories are also not eligible to receive awards under this BAA and should not directly submit either white papers or full proposals in response to this BAA. If any such organization is interested in the program described herein, the organization should contact the Technical POC listed in Section I of this BAA to discuss its area of interest. As with FFRDCs, these types of federal organizations may team with other responsible sources from academia and industry that are submitting proposals under this BAA.

Some topics cover export controlled technologies. Research in these areas is limited to "U.S. persons" as defined in the International Traffic in Arms Regulations (ITAR) - 22 CFR § 1201.1 et seq.

IV. APPLICATION AND SUBMISSION INFORMATION

1. Application and Submission Process -

(A) Pre-proposal Conference/Industry Day: The ONR Electronic Warfare D&I Program will conduct an unclassified briefing for potential Offerors on 15 January 2008 in Arlington VA. The purpose of the meeting will be to provide potential Offerors with a better understanding of the scope of the ONR Electronic Warfare program and objectives of this BAA. The briefing will be held at 10:00 AM (EST) with check-in beginning at 9:00 AM (EST). Please provide notification of planned attendance via e-mail message to Peter Craig (peter.craig@navy.mil) by 9 January 2008. The message must include the following information: name of attendee(s), title, organization, department or company division, phone, fax, and e-mail address. If requested attendance exceeds capacity, it may be necessary to limit attendance, and organizations will be so notified. ONR will reply via email on or before 11 January 2008 to those parties who plan on attending the briefing with the exact briefing location, directions, schedule, and any other appropriate information. Those not able to attend this briefing should consult the web page <http://www.onr.navy.mil/02/BAA/> (Web Address for additional information) after 18 January 2008 to see briefing slides and answers to written questions submitted during the conference.

(B) White Papers: The due date for white papers is no later than 5:00 PM (EST) on Tuesday, 12 February 2008. White papers received after the published due date will not be considered for funding in FY09. Each white paper should state that it is submitted in response to this BAA.

The only acceptable methods for submission of white papers is via the United States Postal Service (USPS) with delivery confirmation, via a commercial carrier (FedEx, DHL, and UPS) or hand delivered to the attention of the cognizant Technical Point of Contact, Mr. Peter Craig. **NOTE: White Papers sent by fax or e-mail will not be considered.**

Evaluation/Notification: Initial Navy evaluations of the white papers will be issued via e-mail notification on or about 20 February 2008. An expanded oral presentation will be subsequently requested from those Offerors whose proposed technologies have been identified as being of potential value to the Navy. However, any Offeror is free to present if it chooses to continue its participation in this process. 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 does not assure a subsequent award.

(C) Oral Presentations: ONR requests that Principal Investigators (PIs) provide expanded presentations of their selected white papers. The purpose of the oral presentation is to provide additional information and address how the proposed technology will affect military applications. The requested oral presentations and those

from any other interested party will coincide with the annual ONR Electronic Warfare (EW) Science and Technology (S&T) Review, currently scheduled for 11-13 March 2008. The time, location, and briefing format of the oral presentations, if requested, will be provided at a later date via e-mail notification.

Evaluation/Notification: Initial Navy evaluations of the oral presentations will be issued via e-mail notification on or about 21 March 2008. A full proposal will be subsequently encouraged from those Offerors whose proposed technologies have been identified through the aforementioned e-mail.

(D) Full Proposals: Submission: Any Offeror may submit a full proposal even if its white paper was not identified as being of "particular value". 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.

The due date for receipt of Full Proposals is 5:00 PM (EST) on Monday, 12 May 2008. ONR will select the efforts to be funded for FY09 start-up based upon the quality and completeness of the proposal and the level of available funding. It is anticipated that final selections will be made within 4 weeks 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 or non-selection for FY09 funding. Proposals received after the published due date will not be considered for funding in FY09. Proposals exceeding the page limit may not be evaluated. **NOTE: Full Proposals sent by fax or e-mail will not be considered.**

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. Classified proposals shall be submitted directly to the attention of ONR's Document Control Unit at the following address:

Office of Naval Research
Document Control Unit
ONR Code 43
875 North Randolph Street
Arlington, VA 22203-1995

The inner wrapper of the classified proposal should be addressed to the attention of the TPOC.

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 two (2) single-sided pages (excluding cover page and resumes). White Papers exceeding the page limit may not be evaluated.
- Copies – one (1) original, seven (7) copies, and one (1) electronic copy on CD-ROM, (in Microsoft® Word or .PDF format).

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 without exceeding the two (2) page limit:

1. Project Manager and/or Principal Investigator
2. Relevance to BAA Research Opportunity Description
3. Technical objective
4. Technical approach
5. Deliverables
6. Recent technical breakthroughs that will reduce risk
7. Funding plan showing requested funding per fiscal year

Note we are requesting that proposed efforts be scoped as a one year (12-month) Base effort, followed by up to two sequential one year (12-month) Option efforts that will be exercised by the government pending a review of progress toward achieving the project objectives.

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 (30) 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, five (5) copies, 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, 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. As noted earlier, the proposed effort should be scoped as a one year (12-month) Base effort, followed by up to two sequential one year (12-month) Option efforts that will be exercised by the government pending a review of progress toward achieving the project objectives. The proposed task plan should reflect this schedule and include significant milestones

at the end of each project phase (Base or Option) to reflect achievement of significant task objectives. 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. For a grant award no assertions to restrict use, release or disclosure of data and/or computer software that will be provided in the course of contract performance are permitted. Not to exceed one (1) page.

- Technical Approach: A detailed description of the approach planned, with sufficient detail to address technical risks and risk mitigation strategy. Not to exceed eight (8) pages.
- Deliverables: A detailed description of the reports and products (for contracts only) 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 the Offeror's 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.

Although not required and provided for informational purposes only, detailed instructions, entitled “Instructions for Preparing Cost Proposals for Contracts and Agreements”, including a sample template for preparing costs proposals for contracts and agreements, may be found at ONR’s website listed under the ‘Acquisition Department – Contracts & Grants Submitting a Proposal’ link at: http://www.onr.navy.mil/02/how_to.asp.

- 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.); and
 - 8) Proposed Fee/Profit - including fee percentage (contract proposals only).
- Part 2: Cost breakdown by task/sub-task corresponding to the same task breakdown in the proposed Statement of Work. The one-year Base effort and sequential one-year Option effort(s) must be separately identified and priced by task/subtask.

3. Significant Dates and Times -

Anticipated Schedule of Events *

<u>EVENT</u>	<u>DATE (DD/MM/YEAR)</u>	<u>TIME (EASTERN TIME)</u>
Pre-Proposal Conference/Industry Day	15 January 2008	10:00 AM
White Papers Due Date	12 February 2008	5:00 PM
Notification of Initial Navy Evaluations of White Papers	20 February 2008	5:00 PM
Oral Presentation Briefing Due Date	6 March 2008	5:00 PM
Oral Presentation	13 March 2008	TBD
Notification of Navy Evaluations of Oral Presentations	21 March 2008	5:00 PM
Full Proposal Due Date	12 May 2008	5:00 PM
<u>EVENT</u>	<u>DATE (MM/DD/YEAR)</u>	<u>TIME (EASTERN TIME)</u>
Notification of Selection for Award	23 May 2008*	5:00 PM
Issued Awards	31 October 2008*	TBD
Kickoff Meeting	TBD	TBD

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

4. Submission of Late Contract Proposals –

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 extended 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 312.**

However, it should be noted that "white papers" should not be submitted through Grants.gov Apply process; the only acceptable media will be hard copy. White papers must be submitted in hard copy directly to the cognizant ONR Science and Technology Department. White paper submissions may be either mailed or hand carried directly to

the ONR Program Officer/Program Manager identified in this BAA and in the next subsection.

For electronic submission of Grant proposals, 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. Any questions that may arise relating to the registration process, system requirements, how an application form works, or the submittal 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 of full proposals for Contracts and Grants (other than full proposals sent electronically through Grants.gov) should be sent to the Office of Naval Research at the following address:

Dr. Peter Craig, Electronic Warfare Program Manager
Electronics, Sensors, and Networks Research Division
Code ONR 312EW
Office of Naval Research
875 North Randolph Street, Suite 1425
(Room 1112)
Arlington, VA 22203-1995
Telephone: (703) 696-0114
Fax: (703) 696-1331
E-mail: peter.craig@navy.mil

NOTE: WHITE PAPERS AND FULL PROPOSALS SENT BY FAX OR E-MAIL WILL NOT BE CONSIDERED.

Important Notice Regarding Hand Carried White Papers and Full Proposal Packages

Acceptance of hand carried white papers and full proposal packages must be arranged with Mr. Peter Craig at (703) 696-0114 two business (2) days before the delivery takes place. White papers and full proposals shall be delivered by 4:00 P.M. Eastern Standard Time (EST).

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 most important. Even though cost is of less importance than all of the technical factors combined, 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-C 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 Electronic Warfare operations.

- 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.

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 employees.
- 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 agreement 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."

- 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.

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 performed under contracts may also include the delivery of software, prototypes, and other hardware deliverables.

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 potentially 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. At a minimum, the Offeror should plan to present a progress briefing annually (during each government fiscal year that the project receives funding) at the ONR Electronic Warfare (EW) Science and Technology (S&T) Review held each spring in the Arlington, VA area. 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 AALAC accreditation and/or NIH assurance, IACUC approval, research literature database searches, and the two most recent USDA inspection reports) prior to award. For assistance with submission of animal research related documentation, contact the ONR Animal/Human Use Administrator at (703) 696-4046.

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 research protocol; IRB-approved informed consent form; proof of completed human research training (e.g., training certificate or institutional verification of training); an application for a DoD Navy Addendum to the Offeror's DHHS-issued Federalwide Assurance (FWA) or the Offeror's DoD Navy Addendum number. In the event that an exemption criterion under 32 CFR.219.101(b) is claimed, provide

documentation of the determination by the Institutional Review Board (IRB) Chair, IRB Vice Chair, designated IRB administrator or official of the human research protection program. Information about assurance applications and forms can be obtained by contacting ONR_343_contact@navy.mil. 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. Additional supporting documentation may be requested. For additional information on this topic, email ONR_343_contact@navy.mil.] For assistance with submission of 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 or grant agreement resulting from this BAA, the recipient 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 recipient 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 recipient 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 recipient personnel who do not need to know the contents thereof for the performance of the contract/agreement. Recipient 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.