



BROAD AGENCY ANNOUNCEMENT (BAA)

INTRODUCTION:

This publication constitutes a Broad Agency Announcement (BAA) as contemplated in Federal Acquisition Regulation (FAR) 6.102(d)(2) and Department of Defense Grant and Agreement Regulations (DODGARS) 22.315. A formal Request for Proposals (RFP), solicitation, and/or additional information regarding this announcement will not be issued. This announcement will remain open for approximately one year from the date of publication or until replaced by a successor BAA. This announcement replaces ONR BAA # 04-007. Proposals may be submitted any time during this period.

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.

Awards may take the form of contracts, grants, cooperative agreements (CAs), or other transactions (OTs) agreements. Therefore, proposals submitted as a result of this announcement may fall under the purview of either the Federal Acquisition Regulations (FAR) or the Department of Defense Grant and Agreement Regulations (DODGARS).

I. GENERAL INFORMATION

1. Agency Name -

Office of Naval Research
Contract and Grant Awards Division
Ballston Centre, Tower One
800 N. Quincy Street
Arlington, VA 22217-5660

2. Research Opportunity Title –

Submarine Security Program

3. Program Name –

N/A

4. Research Opportunity Number –

BAA 05-011

5. Response Date –

This announcement will remain open until 21 March 2006 or until replaced by a successor BAA. Proposals may be submitted any time during this period.

6. Research Opportunity Description -

The Office of Naval Research and the N775 Science & Technology Branch are interested in receiving white papers for research and exploratory development in the areas of identifying and countering threats to the submarine force, as well as any other areas of interest that may improve the overall submarine force security and survivability. These areas of interest include the full spectrum of issues that will help to quantify the potential threat, as well as improve submarine force survivability. Specific areas of interest include basic physics; sensor development; signal and noise modeling; detection algorithms (signal processing); countermeasure concepts (proof-of-concept); Port Ingress/Egress self defense and port security concepts; technology areas such as passive acoustics, active acoustics and non-acoustics (magnetics, lasers, infra-red, and wake phenomenology).

7. Point(s) of Contact -

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

Science and Technology Point of Contact:

CDR James A. Hertlein
Program Manager
Code N775C
Deputy Chief of Naval Operations
2000 Navy Pentagon
Washington, DC 20350-2000
Tel: (703) 602-9849

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

Mary Helen Moore, Contract Specialist
Office of Naval Research
Ballston Centre Tower One/ Code ONR 254
800 N. Quincy Street
Arlington, VA 22217-5660
Tel: (703) 588-0471
Fax: (703) 696-3365
Email: moorem@onr.navy.mil

8. Instrument Type(s) -

It is anticipated that awards may take the form of contracts, grants, cooperative agreements, and other transaction agreements, as appropriate.

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

CFDA No.: 12.300

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

Basic and Applied Scientific Research (DoD)

11. Other Information – N/A

II. AWARD INFORMATION

The Office of Naval Research (ONR) plans to make awards that represent the best value to the Government in accordance with the evaluation criteria. The ONR is seeking participants for this program that are capable of designing, developing, and demonstrating the capabilities required to achieve the goals described in this announcement. Offerors have the opportunity to be creative in the selection of the technical and management processes, either commercial or DoD practices, that best suit their approach.

- Total Amount of Funding the Program Office expects to Award through the Announcement

\$5 million for the duration of this BAA

- Anticipated Number of Awards

One (1) to three (3)

- Anticipated Award Types

Awards may take the form of contracts, grants, cooperative agreements, and other transaction agreements, as appropriate.

- Previous Year(s) Average Individual Award Amounts:

\$1 million

III. ELIGIBILITY INFORMATION

Foreign entities are not eligible to submit white papers or proposals under this BAA. Contract awards may not be made in response to proposals that are related to the development of a specific system or hardware procurement (FAR 6.102(d)(2)). All other potential offerors are eligible.

IV. APPLICATION AND SUBMISSION INFORMATION

1. Application and Submission Process -

White Papers are encouraged prior to submitting a Full Proposal - The Navy's initial evaluation of the White Papers should give Offerors some indication of whether a Full Proposal would likely result in an award. Initial Navy evaluations of the White Papers will be issued via E-mail notification. Detailed technical and cost proposals will be subsequently encouraged from those Offerors whose proposed technologies have been identified through the above-referenced E-mail as being of "particular value" to the Navy. However, any such encouragement does not assure a subsequent award. Any Offeror may submit a Full Proposal even if its White Paper was not identified as being of "particular value."

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

The proposals submitted under this BAA are expected to be unclassified. However, confidential/classified proposals are permitted. The 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.

a. White Papers

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 7 single-sided pages (excluding cover page and resumes). White Papers exceeding the page limit may not be evaluated.
- Copies - one (1) original, two (2) additional hard copies, and one electronic copy on a 3.5" Diskette or CD-ROM, (in Microsoft Word or Excel 97 compatible or PDF format).

White Paper Content

- 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.
- One page summary of the technical ideas for the proposed research;
- One page summary of the deliverables associated with the proposed research;
- One page summary of the schedule and milestones for the proposed research, including rough estimates of cost for each year of the effort and total cost;
- One page listing of key personnel along with the approximate percentage of time to be expended by each person during each contract year;
- Two page concise summary of the qualifications of key personnel;
- Three page technical rationale and approach which contains arguments to substantiate claims made in the summary of technical ideas and is consistent with the summary of the deliverables and the summary of the schedule and milestones for the proposed research.

b. Full Proposals

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 and Volume 2 are both unlimited as to the number of pages. Limitations within sections of the proposal are indicated in the individual descriptions shown below. Full Proposals exceeding the page limit may not be evaluated.
- Copies - one (1) original, two (2) additional hard copies and one electronic copy on a 3.5" Diskette or CD-ROM, (in Microsoft Word or Excel 97 compatible or PDF format).

Full Proposal Content

Volume 1: Technical Proposal

Each section of the Technical Proposal must start on a new page.

- **Cover Page:** This must include the words "Technical 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) and;
- 6) Duration of effort (differentiate basic effort and options)

- **Table of Contents:**
- **Statement of Work:** (5 pages) 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 unclassified 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.
- **Project Schedule and Milestones:** (1 page) A summary of the schedule of events and milestones.
- **Assertion of Data Rights:** (1 page). Include here a summary of any proprietary rights to pre-existing results, prototypes, or systems supporting and/or necessary for the use of the research, results, and/or prototype. Any rights made in other parts of the proposal that would impact the rights in this section must be cross-referenced. If there are proprietary rights, the Offeror must explain how these affect its ability to deliver subsystems and toolkits for integration. Additionally, Offerors must explain how the program goals are achievable in light of these proprietary and/or restrictive limitations. If there are no claims of proprietary rights in pre-existing data, this section shall consist of a statement to that effect.
- **Deliverables:** A detailed description of the results and products to be delivered.
- **Qualifications:** (5 pages) 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.
- **Management Approach:** (5 pages) 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.

VOLUME 2: Cost Proposal

The Cost Proposal shall consist of a cover page and two parts. Part 1 will provide a detailed cost breakdown of all costs by cost category by calendar/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. The words "Cost Proposal" should appear on the cover page in addition to the following information:

- BAA number;
- Title of Proposal;
- Identity of prime Offeror and complete list of subcontractors, if applicable;
- Technical contact (name, address, phone/fax, electronic mail address)
- Administrative/business contact (name, address, phone/fax, electronic mail address);
- Duration of effort (differentiate basic effort and options);
- Summary statement of proposed costs and;
- Cognizant DCAA and DCMA points of contact, address, phone/fax, electronic mail address (if readily available).

Part 1: Detailed breakdown of all costs by cost category by calendar/fiscal year (when options are contemplated, options must be separately identified and priced by task/sub-task corresponding to the same task numbers in the Statement of Work):

- Direct Labor - Individual labor category or person, with associated labor hours and unburdened direct labor rates;
- Indirect Costs - Fringe Benefits, Overhead, G&A, COM, etc. (Must show base amount and rate)
- Proposed contractor acquired equipment such as computer hardware for proposed research projects should be specifically itemized with costs or estimated costs. 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;
- Travel - Number of trips, number of days per trip, departure and arrival destinations, number of people, etc;
- 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 requested from the subcontractor at a later date;
- Consultant - Provide consultant agreement or other document which verifies the proposed loaded daily/hourly rate;
- Materials should be specifically itemized with costs or estimated costs. 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;
- Other Directs Costs and;
- Fee/Profit including fee percentage.

Part 2: Cost breakdown by task/sub task using the same task numbers in the Statement of Work. When options are contemplated, options must be separately identified and priced by task/sub-task corresponding to the same task numbers in the Statement of Work.

3. Significant Dates and Times -

This announcement will remain open for approximately one year from the date of publication or until replaced by a successor BAA. Proposals may be submitted any time during this period.

4. Submission of Late Proposals –

N/A

5. Address for the Submission of Full Proposals –

Deputy Chief of Naval Operations
ATTN: Science & Technology Branch
SSBN Security Program Manager (Interim) N775C2
2000 Navy Pentagon
Washington, DC 20350-2000
Telephone Number: (202) 433-4565

V. EVALUATION INFORMATION

1. Evaluation Criteria –

White papers and full proposals will be evaluated using the following criteria, which are listed in descending order of importance:

- Overall scientific and technical merits of the proposal to contribute to the Submarine Security Program;
- The offeror's capabilities, related experience, facilities, techniques or unique combinations of these which are integral factors for achieving the proposal objectives;
- The qualifications, capabilities, and experience of the proposed Principal Investigator, team leader, or key personnel who are critical in achieving the proposal objectives and;
- Realism of the proposed budgetary costs and availability of funds.

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, HUB Zone small businesses, small disadvantaged businesses, woman-owned 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 –

Technical and cost proposals submitted under this BAA will be protected from unauthorized disclosure in accordance with FAR 3.104-5 and 15.207. The cognizant program officer and other Government scientific experts will perform the evaluation of technical proposals. Cost proposals will be evaluated by Government business professionals. Restrictive notices notwithstanding, one or more support contractors may be utilized as subject-matter-expert technical consultants. Similarly, support contractors may be utilized to evaluate cost proposals. However, proposal selection and award decisions are solely the responsibility of Government personnel. Each support contractor's employee 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.

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 should be accompanied by a completed certification package which can be accessed on the ONR Home Page at Contracts & Grants. For grant proposals and proposals for cooperative agreements or other transaction agreements, the certification package is entitled, "Certifications for Grants and Agreements. " For contract proposals, the certification package is entitled, "Representations and Certifications for Contracts."
- Subcontracting Plans - Successful contract proposals that exceed \$500,000, submitted by all but small business concerns, must be supported by a Small Business Subcontracting Plan in accordance with FAR 52.219-9, prior to award.
- Models - Model grant, cooperative agreement, other transaction agreement, and contract documents may be found on the ONR website at http://www.onr.navy.mil/02/model_awards.asp.

2. Reporting -

The following is a sample of deliverables that could be required under a typical research effort:

- Technical and Financial Progress Reports
- Presentation Material

- Other Documents or Reports
- Final Report

However, please note that specific deliverables (that may include software and hardware deliverables) may be proposed by each offeror and finalized during negotiations.

VII. OTHER INFORMATION

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

Each proposer 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 that it proposes to purchase 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. Maximum use of Government integration, test, and experiment facilities is encouraged in each of the Offeror's proposals.

Government research facilities and operational military units are available and should be considered as potential government furnished equipment/facilities. These facilities and resources are of high value and some are in constant demand by multiple programs. It is unlikely that all facilities would be used for the National Naval Responsibility in Naval Engineering program. The use of these facilities and resources will be negotiated as the program unfolds. Offerors should explain which of these facilities they recommend.

2. 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/>.