



BROAD AGENCY ANNOUNCEMENT (BAA)

INTRODUCTION:

This publication constitutes a Broad Agency Announcement (BAA) as contemplated in Federal Acquisition Regulation (FAR) 6.102(d)(2). A formal Request for Proposals (RFP), solicitation, and/or additional information regarding this announcement will not be issued. This announcement will remain open until 8 June 2008 or until replaced by a successor BAA. This announcement replaces ONR BAA # 06-018. 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. 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 under this BAA will consist of contracts. Therefore, proposals submitted as a result of this announcement will fall under the purview of the Federal Acquisition Regulations (FAR).

I. GENERAL INFORMATION

1. Agency Name -

Office of Naval Research

Contract and Grant Awards Division

875 North Randolph Street

Arlington, VA 22203-1995

2. Research Opportunity Title -

Submarine Security & Technology Program

3. Program Name –

N/A

4. Research Opportunity Number –

BAA 07-032

5. Response Date –

This announcement will remain until 8 June 2008 or until replaced by a successor BAA, which ever first occurs. Proposals may be submitted any time during this period.

6. Research Opportunity Description -

The Office of Naval Research and the Submarine Security & Technology Branch (N875) of the Chief of Naval Operations' Submarine Warfare Division (N87) are interested in receiving white papers addressing research and exploratory development topics related to all aspects of submarine force security and survivability.

Areas of interest include: asymmetric threats, the physics of threat signal generation and detection; sensor technology and capabilities, signal and noise modeling; signal detection algorithms (signal processing); ingress/egress self-defense; and port security concepts. Topics with both near term (0-5 years) and far term (10-20 years) implications will be considered.

Program interests include passive and active acoustic and non-acoustic signal generation, scatter and detection. The generation of signals by a submarine at any depth is of interest. Relevant non-acoustic signal topics include: magnetic and electric fields, the scatter and generation of light (including ultraviolet and infrared portions of the band), the scatter and generation of rf signals over all bands, propulsion related issues and the detection of physical processes caused by hull motion through the ocean.

7. Point(s) of Contact -

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

Submarine Security & Technology Program Point of Contact:

Dr. Marshall Orr
Program Manager Code N875D
Deputy Chief of Naval Operations
2000 Navy Pentagon
Washington, DC 20350-2000
Tel: (202) 433-4563
Email: marshall.orr@navy.mil

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

Wade Wargo
Contracting Officer, Code 254
Office of Naval Research
875 North Randolph Street
Arlington, VA 22203-1995
Telephone: (703) 696-0719
Fax: (703) 696-0993
Email: wade_wargo@onr.navy.mil

8. Instrument Type(s) -

Awards resulting from this solicitation will be in the form of contracts.

9. Catalog of Federal Domestic Assistance (CFDA) Numbers – N/A

10. Catalog of Federal Domestic Assistance (CFDA) Titles – N/A

11. Other Information – This announcement is restricted to work relating to basic and applied research and that portion of advanced technology development not related to a specific system or hardware procurement. Contract awards made under this BAA are for scientific study and experimentation directed towards advancing the state of the art or increasing knowledge or understanding.

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.

ONR anticipates a budget of \$2,000,000.00 per annum for this program. ONR plans to fund \$250,000.00 to \$1,000,000.00 per award. However, lower or higher award amounts may be considered. The period of performance of the awards typically ranges from six months to five years (base year and four option years for the latter).

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)). Awards to Government laboratories and to Federally Funded Research and Development Centers (FFRDCs) may not be made under this BAA. However, such laboratories and centers may enter into teaming arrangements with proposing prime contractors. All other potential Offerors are eligible. Since some of the work under this topic area is export control restricted, successful Offerors may be required to use U.S.

persons (i.e, U.S. citizens and permanent resident foreigners) for part or all of the contract effort.

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 or classified 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 9 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.
- * Resumes should be attached

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 with sections exceeding the section page limits 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 from any proposed options)
- **Table of Contents:** This should address the contents of the proposal, generally by section.
- **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 and/or Rights in Computer Software:** (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.

If the Offeror intends to provide under the proposed contract preexisting data or software that was funded partially or exclusively with private dollars, an Offeror may provide with its proposal assertions to restrict the use, release or disclosure of such data and/or computer software. 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/VDFDARA.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.

- **Deliverables:** A detailed description of the results and products to be delivered inclusive of the timeframe in which they are to be delivered.
- **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/ 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.
- **Technical Approach** - The Offeror shall provide a detailed plan that coherently describes the technical approach proposed for contract performance, which demonstrates a technical understanding of the proposed Statement of Work (SOW). The technical approach should address each of the numbered task areas delineated in the SOW, providing specific or unique techniques to be employed and anything else the Offeror considers relevant in performing the SOW. The technical approach should indicate how the work will be performed, including the capabilities and resources which will be applied, what problem areas exist, the proposed solutions and a full explanation of the proposed disciplines, procedures and techniques to be followed. Emphasis should be placed upon the extent that the Offeror's technical approach ensures timely delivery and successful completion of the tasks outlined by the SOW submission.

- **Personnel** - The Offeror shall provide resumes of proposed key personnel to be utilized by the contractor/subcontractor in the performance of this contract. The Offeror shall ensure that the proposed personnel are fully capable of performing in an efficient, reliable and professional manner. Upon review of the resumes, if the Government questions the qualifications or competence of any person proposed, the burden of proof to sustain that person's qualifications shall be upon the Offeror.
- **Past Performance** - Past performance will consist of a description of the Offeror's Government contracts (both prime and major subcontracts (those involving 25% or more of the effort)) received during the past three (3) years), which are similar to the effort being proposed. The Offeror may describe any quality awards or certificates that indicate the Offeror possesses a high quality process for providing desired research and development outcomes.

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.

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 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. 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.

- 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 (Competition, engineering estimate, market survey, etc.);
- Other Directs Costs, particularly any proposed items of equipment or facilities. Equipment and facilities generally must be furnished by the contractor/recipient. (Justifications 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.)
- Proposed fee/profit.

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 until 8 June 2008 or until replaced by a successor BAA, which ever first occurs. Proposals may be submitted any time during this period.

4. Submission of Late Proposals –

N/A

5. Address for the Submission of White Papers and Full Proposals –

Deputy Chief of Naval Operations
 ATTN: Submarine Security & Technology Branch
 SSBN Security Program Manager N875D

2000 Navy Pentagon
Washington, DC 20350-2000
Telephone Number: (202) 433-4563

NOTE: PROPOSALS SENT BY FAX OR E-MAIL WILL NOT BE CONSIDERED.

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.

NOTE: THE THREE TECHNICAL FACTORS COMBINED ARE SIGNIFICANTLY MORE IMPORTANT THAN THE COST FACTOR.

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.

Evaluation of Options – The Government will evaluate options for award purposes by adding the total cost for all options to the total cost for the basic requirement.

The evaluation of options will not obligate the Government to exercise the options at any time during contract performance.

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. 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 contract. Information on CCR registration is available at <http://www.onr.navy.mil/02/ccr.htm>

- Certifications – In accordance with FAR 4.1201, prospective contractors shall complete and submit electronic annual representations and certifications at <http://orca.bpn.gov>. In addition to completing the Online Representations and Certifications Application (ORCA), proposals must be accompanied with a completed DFARS and contract specific representations and certifications. These "DFARS and Contract Specific Representations and Certifications", i.e., Section K, may be accessed under the Contracts & Grants section of the ONR Home Page at http://www.onr.navy.mil/02/rep_cert.asp.

- Subcontracting Plans - Successful contract proposals that exceed \$550,000, 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 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 Materials
- Other Documents or Reports
- Final Report

Research performed under contracts may also include the delivery of software, prototypes, and other hardware deliverables. Specific 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 any one specific program. The use of these facilities and resources will be negotiated as the program unfolds. Offerors should explain which of these facilities they recommend are critical for the project's success.

2. Security Classification

In order to facilitate intra-program collaboration and technology transfer, the Government will attempt to enable technology developers to work at the unclassified level to the maximum extent possible. If access to classified material will be required at any point during performance, the Offeror must clearly identify such need prominently in their proposal.

3. 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/>.