



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.

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 will take the form of contracts. Therefore, proposals submitted as a result of this announcement fall under the purview of the Federal Acquisition Regulation (FAR). Potential offerors may obtain information on ONR programs and opportunities by checking the ONR website at <http://www.onr.navy.mil>. Specific information about BAAs and amendments and updates to this BAA will be found at that site under the heading "BAAs."

I. GENERAL INFORMATION

1. Agency Name

Office of Naval Research
Contract and Grant Awards Division
875 N. Randolph Street,
Arlington, VA 22203-1995

2. Research Opportunity Title

Non-Lethal Stopping and Mobility Hindering Technologies for Maritime Vessels

3. Program Name

Large Vessel Stopping Program

4. Research Opportunity Number

BAA 07-033

5. Response Date

White Papers: 10 August 2007

Full Proposals: 5 October 2007

6. Research Opportunity Description

Synopsis

The goal of this research opportunity is to identify and evaluate innovative technologies and novel concepts with potential to enhance the Navy's ability to interdict and stop, through less than lethal means, a broad spectrum of maritime vessels, primarily large vessels (greater than 20 meters), in open oceans or coastal regions.

This effort will include basic concept investigations and scaled experiments leading to the development of component or system demonstration of the technologies or concepts in a realistic environment. The intention is to initiate new research efforts in FY 2008 with candidate concepts demonstrated in FY 2011 or earlier.

Applied Research (Budget Category 6.2) funding is anticipated to be available starting in Fiscal Year 2008 to support technology development over a three to five year period, as described in the Award Information section below.

ONR encourages teaming of industry, academia, University Affiliated Research Centers (UARCs), and government laboratories with a view toward speeding the transition of new technology into fielded systems.

White papers are initially sought to allow a preliminary assessment of the operational, technical and logistical feasibility of the concept. This precludes unwarranted effort on the part of the offeror in preparing full technical and cost proposals. Offerors submitting the most promising white papers will be encouraged to submit a full technical and cost proposal on all or part of their white paper submission. However, any such encouragement does not assure a subsequent award.

Objective and Areas of Interest:

The Office of Naval Research (ONR) is interested in proposed science and technology efforts focused on innovative technologies and novel concepts that will enhance the Navy's ability to stop ships on the open oceans and in coastal regions using less than lethal means. Ships greater than 20 meters in length are of interest, with large cargo and tanker ships being of special interest. The objective of this call is to solicit new thinking that focuses on developing new technologies or employment of existing technologies in novel ways to address the operational challenges in this area. ONR wishes to stimulate research, development and rapid prototyping of a wide spectrum of technologies that address technology gaps regarding the stopping of large vessels. Technology gaps include:

- Technologies that could apply force to a ship so as to rapidly slow it or bring it to a stop including technologies to realistically employ these systems (examples might include rapid attachment techniques for tethers, drag enhancement mechanisms designed to substantially slow a ship in less than 10 ship lengths, and delivery systems capable of employing these type of technologies).
- Technologies that could disable a ship propulsion without requiring boarding of the ship (examples include methods of rendering the propulsor useless or ineffective as a propelling force, denial of combustion constituents or heat removal, and delivery systems capable of successfully employing these type of technologies).
- Technologies that could force a ship into a circular path without requiring boarding of the ship (examples might include technologies to lock the ship rudder at a desired angle and delivery systems capable of employing these type of technologies).
- Technologies that could shut down and/or render inoperable a ship's propulsion plant from a reasonable standoff distance (examples include methods to interrupt or disable propulsion or steering control using the electromagnetic spectrum).
- Technologies that could be installed during new ship construction or during ship retro-fits that would, in emergency situations, allow remote control of ship propulsion systems and/or ship steering systems by authorized parties and deny control by unauthorized parties.
- Non-lethal boarding technologies for both un-opposed and opposed boarding of underway ships in moderate sea conditions.

7. Points of Contact

Questions of a *technical nature* shall be directed to the cognizant Science and Technology Point of Contact, as specified below:

Mr. Daniel Tam
Program Officer
Sea Platforms & Weapons Division
ONR Code 333
Email: tamd@onr.navy.mil

Mailing address:
Office of Naval Research
ONR Code 333
875 North Randolph Street,
Arlington, VA 22203-1995

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

Ms. Emily McLaughlin
Contract Specialist
Contracts, Code BD 0254
Office of Naval Research
One Liberty Place
875 North Randolph Street
Arlington, VA 22203-1995
E-Mail: mclaugej@onr.navy.mil

8. Instrument Type

Awards will take the form of contracts.

9. Additional Information

For additional programmatic information or to submit a question, see the following URL “<http://www.onr.navy.mil/02/baa/>.”

II. AWARD INFORMATION

The amount and period of performance of awards made for each selected proposal will vary depending on the concept, the scientific maturity of the proposed technology and the technical approach to be pursued by the selected offeror.

The Office of Naval Research (ONR) plans to award 3 to 5 technology development contracts that represent the best value to the Government in accordance with the

evaluation criteria. The period of performance of awarded contracts is anticipated to be 3 to 5 years with a base period of one (1) year (Phase 1) and options of up to four (4) years (Phase 2). ONR tentatively plans to fund contracts with total values up to \$10M per award using Applied Research (Budget Category 6.2) funding, subject to the date of final award and availability of new fiscal year funds. Lower and higher cost proposals, however, will be considered.

ONR and DoD have funded related technology development under some programs. Proposals that build on current or previous DoD work are encouraged. If offerors are enhancing work performed under other ONR or DoD projects, they must clearly identify the point of departure and what existing work will be brought forward and what new work will be performed under this BAA.

III. ELIGIBILITY INFORMATION

All responsible sources may submit a proposal, which shall be considered by the Government. The proposals submitted to perform Discovery & Invention research in response to this BAA are categorized as Applied Research (Budget Category 6.2). However, some proposals made could be viewed by the Program Manager as more developmental and militarily sensitive in nature. In those instances the International Traffic in Arms Regulations (ITAR) may apply, and researchers who are not U.S. citizens or permanent resident aliens may be restricted in their ability to perform the work. These situations must be judged on a case-by-case basis.

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 due to the impracticality of reserving discrete or severable areas of vessel stopping technology for exclusive competition among these entities.

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

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

IV. APPLICATION AND SUBMISSION INFORMATION

1. Application and Submission Process

The Application and Submission Process consists of white papers and full proposals. If an offeror does not submit a white paper before the due date and time, it is not eligible to submit a full proposal.

The white papers and full proposals submitted under this BAA are expected to be unclassified. However, confidential/classified proposals are permitted. Classified white papers or full proposals must be submitted directly to the Technical Point of Contact (TPOC) using appropriate handling methods for the level of classification. Contracts resulting from the submission of a classified proposal will be ‘unclassified.’ An ‘unclassified’ Statement of Work (SOW) must accompany any classified proposal.

All white paper and full 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.

2. White Paper Application and Submission Process

Submission of White Papers: The due date for receipt of White Papers is 2:00 P.M. (Eastern Time) on 10 August 2007. White Papers received after the exact time specified for receipt of white papers are considered “late” and will not be evaluated.

A. Format of White Papers:

- 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 – White papers are limited to no more than 7 pages. The cover page and the curriculum vitae for the principal investigator(s) and key personnel are excluded from the page limitations. White papers exceeding the page limit will not be evaluated.

B. Content of White Papers:

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

White papers are limited to seven (7) pages and should include the following items:

- 1) Cover Page – The Cover Page shall be labeled clearly “PROPOSAL WHITE PAPER” and shall include the BAA number, the proposal title, the offeror’s administrative and technical points of contact with telephone numbers, facsimile numbers, and electronic mail addresses. The cover page must be signed by an authorized officer. The cover page will not count toward the seven-page limit.

- 2) Technical Description – A clear, concise discussion of the scientific concept and associated technology innovations being proposed, a description of the proposed objectives, a clear statement of the technical risks and major scientific issues to be resolved to accomplish the objectives, the proposed approaches to resolving these issues, a description of proposed deliverables, and description of and schedule for planned demonstrations associated with the proposed efforts.
- 3) Management Information – A list of the principal investigator(s) and key personnel participating in the proposed effort with a brief description of their technical focus within the proposed effort. A description of any partnering arrangements planned, specific prior experience of the offeror in the scientific or technology areas being addressed by the proposed effort, and noteworthy facilities to be utilized. A plan of action with milestones shall be included.
- 4) Costs – A one-page summary estimating costs on a yearly basis partitioned by major tasks.
- 5) Addendum – One-page curriculum vitae for the principal investigator and for other key personnel should be submitted. One page limit per person. The curriculum vitae will not count toward the seven-page limit.

C. Evaluation/Notification of White Papers: Initial results of the evaluation of white papers will be issued via E-mail notification on or about 5 September 2007. Offerors submitting the most promising white papers as judged against the evaluation criteria will be encouraged to submit full technical and cost proposals via the email addresses provided in the white papers. 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 “promising.” However, the Navy's initial evaluation of the white papers should give potential offerors some indication of whether a full proposal would likely result in an award.

3. Full Proposals Application and Submission Process

Submission of Full Proposals: The due date for full proposal submissions is 2:00 P.M. (Eastern Time) on 5 October 2007.

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

- A. Format of Full Proposals: Volume 1 (Technical Proposal) 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 22 pages. The cover page, table of contents, and resumes are excluded from the page limitations. Full Proposals exceeding the page limit will not be evaluated. Volume 2 has no page limitation.
- Copies – one signed original, 5 copies and one electronic copy on CD-ROM (in Microsoft® Word or Excel 97 compatible or .PDF format).

B. The title given to each full proposal should be descriptive of the work it covers and not be merely a copy of the title of this solicitation

Volume 1: Technical Proposal

Volume 1 of the Full Proposal shall include the following sections, each starting on a new page. Please note the maximum page limitation for each section as specified below.

- 1) Cover Page: (Not included in page limit.) This should include the words “Technical Proposal” and the following:
 - a) BAA number;
 - b) Title of Proposal;
 - c) Identity of prime Offeror and complete list of subcontractors, if applicable;
 - d) Technical/Principal Investigator (PI) contact (name, address, phone/facsimile numbers, electronic mail address);
 - e) Business contact (name, address, phone/facsimile numbers, electronic mail address); and
 - f) Duration of effort (differentiate basic effort and options).
- 2) Table of Contents: (Not included in page limit.)
- 3) Executive Summary: (1 page) Summarize the technology you are proposing and the expected improvements to the Navy.
- 4) Concept of Operation for the Navy: (2 pages) 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.

- 5) Statement of Work: (5 pages) A Statement of Work (SOW) clearly detailing the scope and objectives of the effort and the technical approach with sufficient detail to address technical risks and risk mitigation strategy. It is anticipated that the proposed SOW will be incorporated as an attachment to the resultant award instrument. To this end, all proposals must include an unclassified severable self-standing SOW without any proprietary restrictions, which can be attached to the contract or agreement award. A detailed listing of the technical tasks/subtasks organized by year must be included also.
- 6) Project Schedule and Milestones: (1 page) A summary of the schedule of events and milestones.
- 7) Assertion of Data Rights: (1 page). Include here a summary of any proprietary rights to pre-existing results, prototypes, or systems supporting or necessary for the use in the research, results, or prototype. Any data rights asserted in other parts of the proposal that would impact the rights in this section must be cross-referenced. If there are proprietary rights asserted, the offeror must explain how these affect its ability to deliver research results, final data, components, and systems. Additionally, offerors must explain how the program goals are achievable in light of these proprietary or restrictive limitations. If the offeror does not choose to claim proprietary rights in pre-existing data, this section shall consist of a statement to that effect.
- 8) Deliverables: (2 pages) A detailed description of the results and products to be delivered inclusive of the timeframe in which they will be delivered.
- 9) Qualifications: (5 pages) A discussion of previous accomplishments and work in this, or closely related, areas, and the qualifications of the investigators. Resumes or curriculum vitae for key personnel shall be attached to the proposal and will not count toward the page limitation.
- 10) 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 practices. 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 II: 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 or fiscal year, and Part 2 will provide a cost breakdown by task/sub-task using the same task numbers in the proposed Statement of Work. Options must be separately priced.

Although not required, and provided for informational purposes only, a link to 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 by clicking on the links ‘Acquisition Department - Contracts & Grants - Submitting a Proposal’ or directly at: http://www.onr.navy.mil/02/how_to.asp.

- 1) 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:
 - a) BAA number;
 - b) Title of Proposal;
 - c) Identity of prime offeror and complete list of subcontractors, if applicable;
 - d) Technical contact (name, address, phone/facsimile numbers, electronic mail address);
 - e) Administrative/business contact (name, address, phone/facsimile numbers, electronic mail address);
 - f) Duration of effort (differentiate basic effort and proposed options)
 - g) Summary statement of proposed costs

- 2) Part 1: Detailed breakdown of all costs by cost category by calendar or fiscal year:
 - a) Direct Labor - Individual labor category or person, with associated labor hours and unburdened direct labor rates;
 - b) Indirect Costs - Fringe Benefits, Overhead, G&A, COM, etc. (Must show base amount and rate);
 - c) Travel - Number of trips, number of days per trip, departure and arrival destinations, number of people, etc;
 - d) 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;
 - e) Consultant - Provide consultant agreement or other document which verifies the proposed loaded daily/hourly rate;

- f) 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.);
- g) Other Directs Costs - Particularly any proposed items of equipment or facilities. Equipment and facilities generally must be furnished by the offeror. (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.) and;
- h) Proposed fee/profit

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

C. Evaluation/Notification of Full Proposals: It is anticipated that final selections will be made within 30 days after full proposal submission. After final proposal evaluation is completed, the offeror will be notified via e-mail of its selection or nonselection for an award. Detailed information regarding the evaluation criteria is listed in Section V.

4. Significant Dates and Time

Event	Date (DD/MMM/YEAR)	Time (Eastern Time)
White Paper Due Date	10 AUG 2007	2:00 P.M.
Notification of Navy Evaluations of White Papers *	5 SEP 2007	-
Full Proposals Due Date	5 OCT 2007	2:00 P.M.
Notification of Selection for Award *	5 NOV 2007	-
Awards *	08 FEB 2008	-

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

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 through the U.S. Postal Service has increased. Thus it is recommended that any hard-copy proposal be mailed several additional days before the deadline established in the solicitation so that it will not be received late and thus be ineligible for award.

5. Submission of Late 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:

- 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
- 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
- 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.

6. Address for the Submission of White Papers and Full Proposals

URL for the Submission of White Papers

Unclassified white papers shall be uploaded as a singular.pdf-formatted file to:
“http://onroutside.onr.navy.mil/aspprocessor/033_baa07033”

White papers will not be accepted by any other method with the exception of white papers that include classified information.

All full unclassified proposals must be submitted hardcopy to the following address:

Office of Naval Research
Attn: Mr. Daniel Tam
ONR Code 333
875 North Randolph Street, Suite 1425
Arlington, VA 22203-1995

This is the address if using U.S. mail. If using overnight courier, please have the proposal delivered to Room 602A. If a telephone number is required, please use 703-696-4204. Full proposals will not be accepted by fax or any other method with the exception of full proposals including classified information.

Proposals containing unseverable sections with classified information or the severable sections of proposals containing classified information will be submitted to:

Office of Naval Research
Attn: Document Control
875 North Randolph Street, Suite 1425
Arlington, VA 22203-1995

The inside envelope should be marked Attn: Mr. Daniel Tam, ONR Code 333, OLC Room 602A.

V. EVALUATION INFORMATION

1. Evaluation Criteria

The following evaluation criteria apply to both the white papers and the full proposals.

Selection will be made through a technical/scientific/cost decision process with technical and scientific considerations being more important than cost. Even though cost is of less importance than 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. Evaluation criteria A-D are listed in descending order of priority. Any subcriteria listed under a particular criterion are of equal importance to each other.

A. Overall scientific and technical merits of the proposal

- 1) Potential to provide a complete solution to one or more of the technology gaps established in the objectives of this announcement.
- 2) Potential to provide new scientific knowledge or technology advances that may lead to developing a solution to one or more of the technology gaps established in the objective of this announcement.

- 3) Soundness and quality of the *technical approach* to achieve the proposed solution.
 - 4) Feasibility for incorporating the proposed solution into a delivery system.
 - 5) Clarity, thoroughness and correctness of identification / evaluation of *technical risks and mitigation plans*.
- B. Naval relevance, transition potential and anticipated contributions of the proposed scientific or technology research to the objectives specified in this announcement.
- C. Offeror's capabilities, related experience, and past performance, including the qualifications, capabilities and experience of the proposed principal personnel.
- D. The realism of the proposed cost.

2. Additional Considerations

Socio-Economic Merits – For proposed awards to be made as contracts to large businesses or non-profits, the socio-economic merits of each proposal will be evaluated based on the extent of the offeror's commitment in providing meaningful subcontracting opportunities (to the maximum extent practicable) for small businesses, HubZone 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 between 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.

Industry-Government Partnering – ONR highly encourages partnering among Industry and Government with a view toward speeding the incorporation of new science and technology into fielded systems. Proposals that utilize Industry-Government partnering which result in enhancements of novel S&T will be given favorable consideration.

3. Evaluation Panel

The evaluation of White Papers and Full Proposals will be performed by an Evaluation Team of government technical experts drawn from the Office of Naval Research and other naval and defense activities/agencies. The Government may use selected support contractor personnel to assist in the evaluation and administrative functions of any White Papers and Full Proposals ensuing from this announcement. These support contractors will be bound by appropriate non-disclosure agreements to protect proprietary and source-selection information.

White Papers and Full Proposals submitted under this BAA will be protected from unauthorized disclosure in accordance with FAR 15.207.

VI. AWARD ADMINISTRATION INFORMATION

1. Administrative Requirements

North American Industry Classification System (NAICS) Code – The North American Industry Classification System (NAICS) Code for this solicitation 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.ccr.gov> or by calling 1-888-227-2423.

Certifications – 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.

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 data deliverables and reports that could be required under a typical research effort:

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

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

VII. OTHER INFORMATION

1. Security Classification

All white papers are expected to be unclassified. Full proposals are expected to be unclassified. Although not anticipated, confidential/classified proposals are permitted. 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 its proposal.

2. 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. 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 the facilities would be used for the Large Vessel Stopping program. The use of facilities and resources will be negotiated as the program unfolds. Offerors should explain as part of their proposals which of these facilities are critical for the project's success.

3. Project Meetings and Reviews

Individual program reviews between the ONR sponsor and the performer may be held as necessary. Program status reviews may also be held to provide a forum for reviews of the latest results from experiments and any other incremental progress towards the major demonstrations. These meetings will be held at various sites throughout the country. For costing purposes, offerors should assume that 40% of these meetings will

be at or near ONR, Arlington VA and 60% at other contractor or government facilities. Interim meetings are likely, but these will be accomplished via video telephone conferences, telephone conferences, or via web-based collaboration tools.

4. 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/>.

5. Use of Animals and Human Subjects in Research

If animals are to be utilized in the research effort proposed, the offeror must complete a DOD Animal Use Protocol with supporting documentation (copies of AAALAC accreditation and/or NIH OLAW Animal Welfare Assurance approval letter, IACUC approval, research literature database searches, and the two most recent USDA inspection reports) prior to award. Similarly, for any proposal for research involving human subjects the offeror must submit prior to award: documentation of approval from an Institutional Review Board (IRB); IRB-approved informed consent form; IRB-approved research protocol; an executive summary of planned research (one-half to one page in length); proof of completed human research training (e.g., training certificate, institutional verification of training, etc.); an application for a DoD Navy Addendum to the offeror's DHHS-issued Federalwide Assurance (FWA) or the offeror's DoD Navy Addendum number. The forms for assurance applications can be found at http://www.onr.navy.mil/sci_tech/34/343/. If the research is determined by the IRB to be greater than minimal risk, the offeror also must provide the name and contact information for the independent medical monitor. [Note: for research involving human subjects that is greater than minimal risk, administrative procedures to protect human subjects from medical expenses (not otherwise provided or reimbursed) that are the direct result of participation in a research project must be addressed. Documentation describing those procedures may be requested. For additional information on this topic please email 343_contact@onr.navy.mil. For assistance with submission of animal and human subject research related documentation, contact the ONR Animal/Human Use Administrator at (703) 696-4046.

6. Disclosure of Information

Due to the potential sensitivity of the release of unclassified information, regardless of the medium used, all information/data must be approved by the Program Officer before public release of any and all information generated resulting contracts and/or related to this program. DFARS clause 252.204-7000 entitled "Disclosure of Information" will be incorporated into all contract award documents.

7. Submission of Questions

Any questions regarding this solicitation must be provided to the Science and Technology Point of Contact and/or Business Point of Contact listed in this solicitation. All questions shall be submitted in writing by electronic mail.

Questions regarding **white papers** must be submitted by 2:00 P.M. Eastern Time on 6 August 2007. Questions after this date and time may not be answered, and the due date for submission of the white papers will not be extended.

Questions regarding **full proposals** must be submitted by 2:00 P.M. Eastern Time on 28 September 2007. Questions after this date and time may not be answered, and the due date for submission of the proposals will not be extended