



BROAD AGENCY ANNOUNCEMENT (BAA)

INTRODUCTION:

This publication constitutes a Broad Agency Announcement (BAA) as contemplated in Federal Acquisition Regulation (FAR) Subpart 6.102(d)(2). A formal Request for Proposals (RFPs), solicitation, and/or additional information regarding this BAA will not be issued.

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

I. GENERAL INFORMATION

1. Agency Name -

Office of Naval Research

2. Research Opportunity Title -

Marine Corps Fires Strike Technologies

3. Program Name -

Tactical Urban Strike Weapon (TUSW) Enabling Capability (EC) Program

4. Research Opportunity Number -

ONR BAA # 07-034

5. Response Dates -

White Papers Due: 2 Oct 2007, 4:00 p.m. (Eastern)

Full Proposals Due: 8 Jan 2008, 4:00 p.m. (Eastern)

6. Research Opportunity Description -

The TUSW EC Program is a four-year endeavor to research, develop, and demonstrate a warhead with a transition opportunity into the Block II Follow-On To Shoulder-Launched Multipurpose Assault Weapon (FOTS). Revision A of the Capability Development Document (CDD), dated 30 Apr 2007, may be referred to for additional information to guide technology developments towards identified operational requirements. The CDD can be obtained from the ONR Primary or Alternate Technical Points of Contact (TPOCs) listed in this BAA. The CDD includes mission performance objectives for Blocks I and II. Block I maintains existing functions of the Shoulder-Launched Multipurpose Assault Weapon (SMAW) High-Explosive Dual-Purpose round but seeks to improve its performance. Block II seeks to increase the functionality of the warhead by breaching various wall types to allow entry by a Marine.

Modular warhead technologies for wall breaching must open a thirty-nine (39)-inch diameter hole with a single round in a 12-inch triple brick wall, and an 8-inch double-reinforced concrete wall (cutting rebar). Research structural reactive and/or energetic materials for munition components to increase the mass fraction of the warhead while improving the insensitivity of munitions. The warhead is constrained by a maximum diameter of eighty-three (83) mm and a mass allocation of 4.2 pounds.

7. Point(s) of Contact –

**** Important Notices Regarding Questions ****

- 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.
- There will be no meetings between potential Offerors and ONR personnel.
- Questions regarding **White Papers** must be submitted by **12:30 p.m. (Eastern) on 28 Sep 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 **4:00 p.m. (Eastern) on 20 Dec 2007**. Questions after this date and time may not be answered, and the due date for submission of the proposals will not be extended.

(A) Questions of a **technical nature** shall be directed to the cognizant Technical Points of Contact (TPOCs), as specified below:

Primary Contact:

Mr. Scott D. VanDerVliet
Fires Deputy Program Manager
Expeditionary Maneuver Warfare & Combating Terrorism Division
ONR Code 30
875 North Randolph Street
Arlington, VA 22203-1995

Email Address: vandervs@onr.navy.mil

Alternate Contact:

Ms. Sheila Adkins (Contractor)
Expeditionary Maneuver Warfare & Combating Terrorism Division
ONR Code 30
875 North Randolph Street
Arlington, VA 22203-1995

Email Address: Sheila_adkins@onr.navy.mil

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

Business Point of Contact:

Ms. Elli Palmer
Senior Contract Specialist
Contract and Grant Awards Management
ONR Code 253
875 North Randolph Street
Arlington, VA 22203-1995

Email Address: Eleanor.palmer@navy.mil

8. Instrument Type(s) -

Awards resulting from this BAA 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 -

Not Applicable.

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. ONR is seeking participants for this program that are capable of supporting the goals described in this BAA. Offerors have the opportunity to be creative in the selection of the technical and management processes and approaches to address the research topics.

ONR plans to fund approximately \$5,000,000 (total funding available over four years), utilizing FY08 through FY11 dollars, for Advanced Technology Development (Budget Category 6.3) efforts. Total funding is directly dependant on the quantity and quality of the responses received.

ONR expects to make multiple awards based on its available budget and the responsiveness of the efforts to the program goals. It is anticipated that awards will be in the range of \$250,000 to \$2,500,000, although lower and higher proposals will be considered.

Proposed work should be structured for a one-to-four year period that shall include a base performance period of twelve months to establish the concept design and predict its performance. The proposal may also include one to three 12-month option periods for concept development to include component builds, integration, testing, and finally concept demonstration. The estimated date for contract award is on or about **31 Mar 2008**.

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

Due to the likelihood of classified work being conducted as a result of this BAA, awards under this BAA may be limited to domestic U.S. firms and entities performing in the United States or their allies. Any non-U.S. firm proposal must identify the foreign military Program Agreement (PA) that exists with the United States of America and identify how it will be conducted under a specific weapons development Data Exchange Agreement (DEA) which is recognized by the Office of Secretary of Defense and/or the Navy International Programs Office. In such a case, all foreign agreements and resulting contracts shall be conducted under the agreed to limitations and auspices of the respective State Departments.

All responsible sources that fall within this eligibility category may submit White Papers and Full Proposals in response to this BAA. White Papers and cost and technical proposals submitted by foreign firms and entities will not be considered until PAs and DEAs are fully negotiated and signed, and clearance levels for data exchange and need-to-know are verified by the responsible Departments of State.

Additionally, any proposal, U.S.-domestic or international, must clearly identify foreign nationals by name and nationality and must include the specific duties which will be performed by each of those individuals. This includes the identification of any professorial or graduate-student who is intended to have access to technical or programmatic data. Proposals that fail to address this issue risk being seen as non-responsive.

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 relating to Marine Corps and Naval Fires Technologies for exclusive competition among these entities.

Teaming or collaborative arrangements with Government entities is encouraged. If a Government Lab or Government Agency is included in a White Paper or proposal as part of a team/consortium, then any proposed research costs associated with the Government Lab or Government Agency will be funded separate and apart from the non-government team members.

White Papers and Full Proposals may include proposed cost sharing with the Government in cash or in-kind assets particularly when the proposed technology solutions appear to have viable commercial and military applications.

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 participate in the rest of the process. Should an Offeror's email change after submission, it is the responsibility of the Offeror to notify the ONR TPOC of the change to ensure receipt of critical process emails. While some technologies under this BAA are unclassified, work on many systems' aspects will require the contractor to receive, generate, and store material up to the SECRET level. Therefore, Offerors shall include their security clearance capabilities with their White Papers and Full Proposal submissions.

(A) White Papers:

Submission: The due date and time for receipt of White Papers is **4:00 p.m. (Eastern) on 2 Oct 2007.** White papers are required prior to submitting Full Proposals. Each White Paper should state that it is submitted in response to this BAA.

Evaluation/Notification: ONR will attempt to provide initial evaluations of the White Papers via email notification within two to four weeks after receipt of the White Papers. The email notification will indicate whether the Offeror's proposed technology is of "particular value" to the Navy. In general, submissions are not considered for further review when the proposed technology is not of "particular value"; however, any Offeror may submit a Full Proposal.

(B) Full Proposals:

Submission: The due date and time for receipt of Full Proposals is **4:00 p.m. (Eastern) on 8 Jan 2008.**

Notification: ONR will select the efforts to be funded for FY08 start-up--contingent upon the quality and completeness of the proposal and the level of available funding. Proposals received after the published due date and time will not be considered for funding in FY08. Proposals exceeding the page limitation may not be evaluated. It is anticipated that final selections will be made within 30 days after Full Proposal submission. As soon as the final proposal evaluation process is completed, the Offeror will be notified via email of its project's selection or non-selection for FY08 funding.

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

White Papers and Full Proposals submitted under the BAA are expected to be unclassified; however, confidential/classified proposals are permitted. If a classified proposal is submitted, the resultant contract will be unclassified.

Unclassified proposals shall be submitted directly to the TPOC identified in Section I, paragraph 7, of this BAA.

Classified proposals shall be submitted directly to the attention of ONR's Document Control Unit (address provided below) with the inner wrapper to the attention of the TPOC identified in Section I, paragraph 7, of this BAA.

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

Proposal submissions will be protected from unauthorized disclosure in accordance with FAR Subpart 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/Full 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 (each: left, right, top, bottom)
- Spacing – double-spaced
- Font – Times New Roman, 12-point
- Black and White only, no color text or color graphics. Gray scale images or photographs suitable for standard office copy machine reproduction are acceptable.
- Number of Pages – No more than ten (10) single-sided pages of main body text including tables, figures and illustrations. Cover page, table of contents, term definitions, appendices, and resumes are excluded from the page limitation. White Papers exceeding the 10-page limit may not be evaluated.
- Copies – One (1) original, five (5) hard copies, and two (2) electronic copies on CD-ROM (in Microsoft Word or .PDF format), and email copy. The copies and CDs are needed for dissemination among the Government agency partners in this BAA.

White Paper Content

- **Cover Page:** The cover page shall be labeled “PROPOSAL WHITE PAPER”, and shall include the BAA number, proposed title, technology area addressed, and Offeror’s administrative and technical points of contact, with telephone numbers, facsimile numbers, and Internet addresses. Classification markings, if necessary, should conform as per classification guidance of source organization. The Cover Page shall be signed by an authorized officer.
- **Abstract:** A very brief description of the technology including goals and objectives, and technology areas to be addressed. This section shall be no more than one (1) page in length.
- **Technical Concept:** A description of the technology innovation addressed (described in Section 1, paragraph 6) and technical risk areas. Include a detailed listing of the technical tasks/subtasks organized by year. Relate the product that results from the task/subtask, and briefly state metrics that will be met as a result of the task/subtask. In presenting the technical concept, the offer should explain how the technology proposed is relevant to the operational context. This section shall not exceed six (6) pages in length.
- **Deliverables:** A list of any deliverables for the effort, including, but not limited to, hardware, technical reports, specific demonstration tests, and monthly and final reports with the approximate date of expected delivery. This section shall be no more than one (1) page in length.
- **Past History:** A short history of any previous work conducted in specific or related areas, including major contract actions resulting in. This section shall be no more than one (1) page in length.
- **Costs:** A summary of costs segregated by tasks, by quarter, and estimated government fiscal year. This section shall be no more than one (1) page in length.

Full Proposal Format – Volume 1 (Technical) and Volume 2 (Cost Proposal)

- Paper Size – 8.5” X 11”-inch paper
- Margins – 1” inch
- Spacing – double-spaced
- Font – Times New Roman, 12-point
- Color text, graphics, illustrations accepted (but not required.)
- Number of Pages –
 - Volume 1 is limited to no more than forty (40) pages including tables, graphs, depictions, illustrations, and pictures. Limitations within the Technical Proposal are indicated in the individual descriptions as described in the “Full Proposal Content” Section. The cover page, table of contents, abstract, executive summary, appendices and resumes are excluded from the page limitations. Full Proposals exceeding the page limitation may not be evaluated.
 - Volume 2 has no page limitations.
- Copies – one (1) original, five (5) hard copies and two (2) electronic copies on CD-ROM, (in Microsoft Word, Excel or Adobe Acrobat .pdf format). No email copies of proposals will be accepted.

Full Proposal Content

Volume 1: Technical Proposal

Volume 1 of the Full Proposal shall include the following sections, each starting on a new page.

- **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) Technical Point of Contact (name, address, phone/fax, email address)
 - 5) Administrative/Business Point of Contact (name, address, phone/fax, email address); and,
 - 6) Duration of Effort and gross proposed cost by government fiscal year (clearly differentiate basic effort and options)

- **Table of Contents:** *(Not included in page limitations)* This should address the contents of the proposal only, generally by Section, Title, and page number.

Abstract: *(Not included in page limitations)* A brief description of the proposal including goals and objectives and technology areas to be addressed.

- **Executive Summary:** *(Two (2) page maximum)* Summarize the science and technology you are proposing, the challenges expected to be confronted, and the expected improvements to the Navy. Some questions that should be addressed in this section from an Offeror's perspective are: How will the Offeror use a vision or process to set objectives? How will the Offeror develop a team? How will the leader of the proposed team or effort empower other effort members? (3) What are the expected results? Finally, a brief statement why your organization would provide the best value to the Government for the particular project.

- **Statement of Work:** *(Four (4) page maximum)* An unclassified statement of work (SOW) shall clearly detail scientific background, scope and objective of proposed effort, technical approach, and appropriate references to the scientific literature. The SOW shall also include a detailed listing of the technical tasks/subtasks organized by year. It is anticipated that the proposed SOW will be incorporated as an attachment to the resultant award instrument. To this end, such proposals must include a severable, self-standing SOW **without any proprietary restrictions**, which can be included as an attachment to any resultant contract. When Options are contemplated, the SOW must clearly identify the tasks by separate optional task areas and their periods of performance.

- **Relationship to Marine Corps System, Requirement, Capability Gap, or STO:** *(One (1) page maximum)* Summarize the warfighting enhancement if the proposed technology is matured to its operational realization to meet or exceed the requirements in FOTS Blocks I and II as stated in Revision A of the FOTS CDD. This should be an extension of the related material provided in the whitepaper. Operational effectiveness and suitability, along with their associated metrics, should be addressed here.
- **Project Schedule and Milestones:** *(Two (2) page maximum)* A summary of the schedule of events and milestones to ensure transition into FOTS Block II. The WBS detailed listing of the technical tasks/subtasks should reflect the transition timeline.
- **Assertion of Data Rights and/or Rights in Computer Software:** *(Two (2) page maximum)* An Offeror may provide with its proposal assertions to restrict use, release or disclosure of any pre-existing 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/VDFDARA.HTM>

Also, all reserved intellectual property rights claimed by the Offeror shall be clearly stated when proprietary information is submitted with a proposal. Such claim shall be updated regularly when proprietary information is subsequently submitted during performance of any resulting contract or agreement. Failure to do so may result in a deemed public disclosure of the affected information, and the Government shall be considered to have been granted a unrestricted license to use such disclosed data for any purpose.

- **Deliverables:** *(One (1) page maximum)* A detailed description of the results and items to be delivered including, but not limited to, hardware, technical reports, specific demonstration tests, and monthly and final reports with the approximate date of expected delivery.
- **Management Approach:** *(Five (5) page maximum)* 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 all task critical personnel and subcontractors (if any) which will be involved. Critical personnel and subcontractor technical points of contact must include phone numbers. Include a short description of the facilities that are required for the proposed effort with a separate and specific identifiable item listing or description of any Government-Furnished Facility, Equipment, Hardware, Software, or Information required. This should include any version, condition, duration, and/or configuration information. If any separate government funding, facility or activity is required to complete a proposed task, a signed letter of availability and cost estimate from the cognizant-government facility or supplier is required. The program officer(s) reserve the ability to separate, and if determined in the best interest of the government, fund

separately any effort or delivery of a functional item or service from any governmentally controlled facility.

- **Technical Approach:** *(Eighteen (18) page maximum)* 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 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 executing the SOW. 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.

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 to include the following:

- Research Initiative and/or Technical Concept: Describe the scientific research to be conducted, including potential technology capabilities, advancements, relationship to current state of the art, possible innovations and technical risk areas.
- Relationship to Strategic Plans and/or Fielded or Developmental System: Address how the proposed technology would enhance a developmental or operational weapon system/component; satisfy a Marine Corps requirement; address a capability gap and/or S&T Objective (STO). In particular, address how the technology would satisfy both Blocks I and II requirements as stated in Revision A of the FOTS CDD.
- Operational Concept: Describe the concept of operation for defeating various target classes for the new capabilities to be examined or delivered.
- Operational Effectiveness: Describe the expected performance attributes and increase over current SMAW capabilities including evaluation metrics and/or figures of merit.
- Operational Suitability: Describe the expected logistical and insensitive munition considerations as well as expected cost savings including evaluation metrics and/or figures of merit.
- Test and Evaluation Plan: Provide a plan for testing, evaluating, and finally, demonstrating the operational effectiveness and suitability of the Offeror's products including evaluation metrics and/or figures of merit.
- Work Breakdown Structure (WBS): Provide a WBS in accordance with the DoD Handbook of Work Breakdown Structure for Defense Materiel Items (MIL-HDBK-881, Section 2.3 "SOLICITATION AND PROPOSAL"), and to fully disclose what each effort or sub-effort includes as the technical approach and what method of maturation is expected.

- **Personnel:** *(Three (3) page maximum)* A discussion of previous accomplishments and work in this, or closely related, areas, and the qualifications of the investigators. 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. Key personnel resumes shall be attached to the proposal and will not count toward the page limitations.
- **Past Performance:** *(Two (2) page maximum)* Past performance consists of a description of the Offeror's Government and commercial contracts (both prime and major subcontracts) received during the past three (3) years for the performance of work 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.
- **Other Agencies:** *(Not included in page limitations)* Include the name(s) of any other agencies to which the proposal has also been submitted.

Volume 2: Cost Proposal

Volume 2 of the Full Proposal shall include the following sections, each starting on a new page.

The Cost Proposal shall consist of a cover page and two parts. Part 1 will provide a detailed cost breakdown by task/sub-task corresponding to the task numbers in the proposed SOW for the base and each proposed option (if applicable). Part 2 will provide a detailed cost breakdown of all costs by cost category by calendar or Government Fiscal Year (GFY). 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 cost 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 words "COST PROPOSAL" should appear on the cover page in addition to the following information (the use of Standard Form (SF) 1411, Contract Pricing Proposal Cover Sheet, is optional). :

- BAA Number;
- Title of Proposal;
- Identity of prime Offeror and complete list of subcontractors, if applicable;
- Technical Point of Contact (name, address, phone/fax, email address);
- Administrative/Business Point of Contact (name, address, phone/fax, email address);
- Duration of effort (differentiate basic effort and any proposed options)
- Summary Statement of Proposed Costs; and
- Cognizant DCAA and DCMA Points of Contact (address, phone/fax, email address, if readily available)

Part 1: Simplified Summary Chart

A one-page, simplified summary chart and table, showing individual category by previously provided WBS given in technical proposal, against associated costs by month, for any proposed GFY and/or Calendar Year (CY). If, however, the proposal is provided on a "month-by-month cost after contract award date"-basis rather than GFY, it is requested that the contractor still estimate a projected cost per GFY for the purpose of decreasing requirements for additional final contract negotiations at a later date. The fiscal chart will show the ordinate as the date, and the abscissa as the cumulative cost to complete the proposal. If additional options are provided for consideration, additional charts should be provided for each option to the base contract.

Part 2: Detailed Breakdown of Expected Costs

Detail breakdown of all expected costs by cost category by GFY and CY, and if possible, by calendar month. Each effort should be associated with a specific WBS and SOW artifact, as identified from the technical proposal. The base and each option period must be separately priced and the period of performance for each must be clearly identified:

- Direct Labor: Individual labor category or person, with associated labor hours and unburdened direct labor rates by month, for any proposed GFY and CY;
- Indirect Costs: Fringe Benefits, Overhead, G&A, COM, etc. (must show base amount and rate);
- Travel: Number of trips, number of personnel, destination, duration, etc. per month;
- Subcontracts: 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 contract award;
- Proposed Government-Furnished Equipment or Facilities: Any Government laboratory, agency or facility proposed shall be accompanied by a complete breakdown of the usage costs. Costs associated with these entities will not be subject to Offeror indirect rates. Funding for these efforts will be provided directly from ONR to the respective Agency;
- Consultant: Provide consultant agreement or other documentation 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. Include a brief description of the Offeror's procurement method to be used (competition, engineering estimate, market survey, etc.);
- Other Directs Costs (ODCs): Particularly any proposed items of equipment or facilities. Equipment and facilities generally must be furnished by the contractor/recipient. Justifications and written cost estimates must be provided when Government funding for such items is sought). Include a brief description of the Offeror's procurement method to be used.
- Proposed Fee/Profit, including fee percentage.

3. Significant Dates and Times -

ANTICIPATED SCHEDULE OF EVENTS		
EVENT	DATE	TIME (Eastern Time)
White Paper Questions Due Date	No later than 28 Sep 2007	12:30 p.m.
White Papers Due Date	2 Oct 2007	4:00 p.m.
Evaluation of White Papers *	16 Oct 2007	N/A
Full Proposals Questions Due Date	Not later than 20 Dec 2007	4:00 p.m.
Full Proposals Due Date	8 Jan 2008	4:00 p.m.
Final Notification of Selection for Award *	Approximately thirty (30) days after receipt of proposals	N/A
Award Issued *	On/about 31 Mar 2008	N/A
Kickoff Meeting	Approximately two (2) weeks after contract award	TBD

***Note: These dates are estimates as of the date of this BAA.**

N/A = Not Applicable
TBD = To Be Determined

4. Submission of Late Proposals –

In accordance with FAR Subpart 15.208, 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 BAA, 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 BAA, and urgent Government requirements preclude amendment of the BAA closing date, the time specified for receipt of proposals will be deemed to be extended to the same time of day specified in the BAA 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.

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

Offerors shall submit the White Papers and Full Proposals to the specified TPOCs and addresses below:

PRIMARY	ALTERNATE
<p>Office of Naval Research One Liberty Center 875 North Randolph Street, Suite 1155B Arlington, VA 22203-1995 Attn: ONR Code 30: Mr. Scott VanDerVliet</p>	<p>Office of Naval Research One Liberty Center 875 North Randolph Street, Suite 1155B Arlington, VA 22203-1995 Attn: ONR Code 30: Ms. Sheila Adkins (Contractor)</p> <p>Telephone Number (for deliveries only) (703) 696-0705</p>

Note: If the Offeror is using the United States Postal Service (USPS), please allow additional business days for the package to be delivered to the above address since USPS mail is being sent to a central location for special processing before it is delivered to this address. Commercial carriers such as FedEx and UPS may also encounter delays in delivery, so early submission is recommended to avoid late receipt of proposal.

White Papers: Offerors may e-mail; the e-mail addresses for submission of White Papers are vandervs@onr.navy.mil. Faxed White Papers will not be accepted. If email copies are submitted, Offerors are required to include electronic and hard copies of the White Paper as specified in Section IV, paragraph 2.

FULL PROPOSALS SENT BY FAX OR EMAIL WILL NOT BE CONSIDERED.

V. EVALUATION INFORMATION

The Office of Naval Research plans to make multiple awards depending on their value to the Government in accordance with the evaluation criteria listed below. The following evaluation criteria apply to the White Papers and the Full Proposals:

Proposals will be selected through a technical/scientific/business decision process with technical and scientific considerations being more important than cost. Even though cost is of less importance than any of the Technical Factors (A thru D) below, 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. Technical Factors A thru D, listed below, are in descending order of importance. The sub-criteria within each of the lettered paragraphs are of equal importance to each other.

1. Evaluation Criteria –

A. Overall scientific and technical merits of the proposal

1. The degree of innovation, uniqueness, and ability to deliver technology that will improve the expeditionary force warfighting capabilities described in Section I, paragraph 6;
2. The soundness and quality of the research initiative and *the Technical Approach* to achieve the proposed solution;
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;
4. Risk management in demonstrating objectives including structuring of the scope of the problem and the technical effort needed to address it;
5. The degree to which the proposal demonstrates sound operational concepts, and improves the operational effectiveness and suitability as compared to SMAW;
6. A robust and comprehensive Test and Evaluation Plan that addresses each warhead function related to the different targets and its performance goals as defined in Revision A of the FOTS CDD.
7. The degree to which the Work Breakdown Structure fully discloses technical approach and maturation method expected for each effort or sub-effort.

B. Potential to satisfy the stated requirement.

1. How the proposed solution would address the stated performance objectives in Blocks I and II of Revision A of the FOTS CDD.

C. Offeror's capabilities, related experience, and past performance, including the qualifications, capabilities and experience of the proposed principal investigator and personnel.

1. The quality of technical personnel proposed and their appropriateness for the work proposed;
2. The Offeror's experience in relevant efforts with similar resources;
3. The ability to manage the proposed effort.

D. Management Plan.

The Management Plan is not required in the White Paper. However, the Management Plan is required for the Full Proposal and will be evaluated in accordance with the following criteria:

1. Plan is in milestone format with succinct factual description of how achievement of milestones will be managed.
2. Relationship between cost and milestone achievement is defined.
3. Estimate of technical, schedule and cost risk is stated with risk management plan provided.

E. The Realism of the Proposed Costs.

1. Total cost relative to benefit;
2. Realism of cost levels for facilities and staffing

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

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

Government agencies/laboratories cannot be the prime contractor. Offerors proposing to partner with Government Laboratories or Federally Funded Research and Development Centers (FFRDCs) should provide the "partnering proposal" from the Government or FFRDC entity with its proposal. However, these partnering proposals must be severable from the Industry or Academia main proposal since ONR will fund these partnering proposals directly. As such, Industry/Academia cost proposals should not include any direct costs or pass-through fees (indirect costs or fixed fee) associated with the partnering proposal from the Government Laboratory or FFRDC.

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 option(s).

2. Evaluation Panel -

White Papers and Full Proposals submitted under this BAA will be protected from unauthorized disclosure in accordance with FAR Subparts 3.104-5 and 15.207. Potential Offerors should understand that Government Technical experts drawn from the Office of Naval Research, the Naval Systems Commands, Navy Warfare Centers, the Naval Research Laboratory (NRL), and other Naval and Defense activities/agencies will evaluate the White Papers and Full Proposals.

The Government may use selected support personnel as subject matter expert (SME) technical consultants to assist in providing both technical expertise and administrative support regarding White Papers and Full Proposals resulting from this BAA. Similarly, support contractors may be utilized as SMEs in the evaluation of cost proposals. However, any support contractor employee having access to the submissions in response to this BAA will be required to sign a non-disclosure agreement prior to receipt in order to protect proprietary and source-selection information.

VI. AWARD ADMINISTRATION INFORMATION

1. Administrative Requirements –

- The North American Industry Classification System (NAICS) Code: The NAICS Code for this BAA 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: In accordance with FAR Subpart 4.1201, prospective contractors shall complete and submit 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 on the ONR Home Page at Contracts & Grants 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 Clause 52.219-9.

2. Deliverables/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.

- Monthly Expenditure Reporting: A monthly listing of contractual expenditures and obligations must be made no later than ten (10) working days after the first day of each month, for the previous month.
- Monthly Technical Reporting: A monthly listing of technical progress must be submitted in standard textual format. Text distribution submissions via electronic-mail (email) are acceptable; however, a paper copy must be submitted to the cognizant Contracting Officer each month labor expenditures accrue.
- Annual Technical Reporting: It is expected that annual progress reports shall be required of any contract, which shall include a summary of all technical progress and the scientific method and metrics used to denote progress, technical readiness assessments, and achievements funded under any resulting contract.
- Final Report

Research performed under contractors may also the delivery of software, prototypes, and other hardware deliverables. Specific deliverables should be proposed by each Offeror and finalized during negotiations.

VII. OTHER INFORMATION

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

Each cost proposal shall 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 contractors to 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 availability on a case-by-case basis.

Cost estimates and availability must be included and signed in letter form by the cognizant governmental official responsible for item issue or facility use. It is the Government's desire to have the Contractors purchase the equipment/hardware for deliverable items under their contract.

Maximum use of Government integration, test, and experiment facilities is encouraged in each of the Offeror's proposals. Also, early and clear documentation on any working or formal agreements is highly encouraged.

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, as part of their proposals, which of these facilities are critical for the project's success.

2. 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 Federal-Wide 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.

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 or other DoD contracts, grants, and assistance instruments may be eligible to use HPCMP assets in support of their funded activities if the 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/>.

4. Protection of Proprietary and Sensitive Information

The parties acknowledge that, during performance of any contract 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. 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.