

BROAD AGENCY ANNOUNCEMENT
SSN/SSGN Survivability Program (S3P)

Solicitation: N00024-12-R-6248

Procurement Request: N00024-12-NR-94986

Classification Code: A – Research and Development (R&D)

Contracting Officer: Mr. David Diamantopoulos, SEA 0262, (202) 781-2847

Contract Specialist: Mr. Ryan Hackett, SEA 02622H, (202) 781-2398

Technical POC: Dr. Andrew Slaterbeck, SEA 073RS, (202) 781-4788

Administrative Information

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 or further announced. This announcement will remain open for one year from the date of publication or until extended or replaced by a successor BAA. Initial responses to this announcement must be in the form of White Papers and may be submitted at any time during this one year period. Proposals may be requested only from those offerors selected as a result of the scientific review of the White Papers made in accordance with the evaluation criteria specified herein. Contracts may be awarded based on proposal evaluations and availability of funding.

The Naval Sea Systems Command (NAVSEA) will not issue paper copies of this announcement. NAVSEA reserves the right to select for proposal submission all, some or none from among the White Papers submitted in response to this announcement. Issuance of a request for proposal is not a commitment by NAVSEA to award a contract. NAVSEA provides no funding for direct reimbursement of White Paper or 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 NAVSEA to treat all White Papers and proposals as competition sensitive information and to disclose their contents only for the purposes of evaluation.

General Information

Agency Address

Commander
Naval Sea Systems Command (NAVSEA)
1333 Isaac Hull Avenue SE
Washington Navy Yard, D.C. 20376

Research Opportunity Title

Research and Development of SSN/SSGN Survivability Program (S3P)

Response Date

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

1.0 Research Opportunity Description

1.1 The Naval Sea Systems Command Advanced Submarine Systems Development (SEA 073R) within the Program Executive Office for Submarines (PEOSUB) hereby solicits White Papers through the use of a Broad Agency Announcement (BAA) (see FAR 35.016) for identification of science based signal detection technologies that, individually or as a system, can impact the survivability of the SSN/SSGN submarine forces. Technologies with both near term (<10 years) and far term (>10 years) implications will be considered.

1.2 The Navy's primary objective for this BAA is to focus on improving the understanding of the generation, radiation, propagation and scatter of a variety of signal types (acoustic, chemical, optical, electromagnetic, and radiological) associated with a submarine's operation, to include both peacetime and wartime operations. Industry, academia, Small Businesses, Small Disadvantaged Businesses, educational institutions, Historically Black Colleges and Universities, and Minority Institutions are all encouraged to participate. Foreign entities are not authorized to participate in this BAA. SEA 073R is seeking participants for this program that are capable of performing advanced R&D research that support demonstrating capabilities listed above to achieve the goals described in this announcement.

2.0 Proposal Selection Process and Contract Information

2.1 A two-phased (Phase I and Phase II) proposal selection process will be utilized under this BAA. This approach will save the Navy and offerors considerable expense by not requiring development of full-scale proposals unless necessary and desired by the Navy.

2.2 Phase I of the two phased process consists of submission of the White Papers describing technical approach, experience, capabilities and past performance with a cost estimate in the technology improvement areas listed in Section 1.0 above. White Papers are initially sought to preclude unwarranted effort on the part of the Offeror in also preparing

full technical and cost proposals without an initial assessment of the technical and operational feasibility of the concept by the Navy. Offerors submitting White Papers may be invited to submit a full technical and/or cost proposal on all or part of their White Paper submission. However, any such invitation is in no way an obligation on the part of the Government to award a contract. Decisions regarding the invitation to submit a full proposal will be based on the Navy's evaluation under Section 7 below. Furthermore, White Papers may be summarily rejected for the following reasons: 1) Proposal is not relevant to research interests identified in Section 1.2 above; 2) Proposal was tried in the past or is in an existing software or sensor technology; 3) proposal is high risk; 4) proposal is unaffordable; and/or 5) Data Rights Assertions.

2.3 Phase II of the proposal selection process will consist of a request from the Government to the Offeror(s) for full technical and cost proposals to support the Navy in one or more of the technology improvement areas listed in Section 1.0 above. This effort will include maturing the technology leading to laboratory and at-sea testing, and participating in technical/program reviews. An Offeror can be considered for contract award only upon preparation and submittal of a fully compliant Phase II Proposal. In the event that a Phase II technical and cost proposal is requested, the applicable request for proposal will contain the terms and conditions and clauses to be incorporated in the potential contract.

2.4 Any contract(s) awarded based on responses to this BAA are considered to be the result of full and open competition (see FAR 6.102(d)(2)(i)) and in full compliance with the provisions of Public Law (PL) 98-369, "The Competition in Contracting Act of 1984."

2.5 The planned schedule for this BAA is as follows: This BAA will be open for a one (1) year period for Phase I, during which time White Papers may be submitted. Offerors are encouraged to submit White Papers as soon as practical within the one (1) year period for each applicable technology area. Offerors may submit multiple White Paper topics. If an Offeror submits multiple White Papers, each should be submitted in response to a different topic or explore different technologies within one topic. The Navy intends to use its best efforts to complete its review of White Papers approximately 2 months thereafter for each applicable technology area. Any offerors invited (as appropriate) to submit full technical and cost Proposals shall do so within one (1) month of Navy notification of invitation to submit. The evaluation of proposals, including discussions/negotiations as required, will be approximately three (3) months after Proposals have been received. The Navy anticipates that the earliest potential contract award(s) made as a result of this BAA will be in the 3rd Quarter FY 13. The Government reserves the right to award contracts before the closing date of this BAA.

2.6 Offerors are advised that only the Contracting Officer is legally authorized to bind the Government. Point of Contact for Contractual questions is Mr. Ryan Hackett (Contract Specialist), SEA 02622H, (202) 781-2398, ryan.hackett1@navy.mil. Point of Contact for Technical questions is Dr. Andrew Slaterbeck, SEA 073RS, 202-781-4788, Andrew.slaterbeck@navy.mil.

2.7 Phase I White Papers (UNCLASSIFIED) and (CLASSIFIED up to and including SECRET) submitted in response to this BAA shall be sent to the Commander, Naval Sea Systems Command, Attn: Dr. Andrew Slaterbeck, SEA 073RS, 1333 Issac Hull Avenue, SE, (Stop 7025) Washington Navy Yard, Washington, D.C. 20376-7025.

2.8 Those Offerors selected to proceed to Phase II of the selection process will be notified by the Contracting Officer. The invitation to submit a Phase II proposal will include a date and time for submittal.

3.0 White Paper and Full Proposal Preparation Costs

3.1 Offerors are hereby advised that the Government will not directly pay for any White Paper or full proposal preparation costs resultant from this BAA. The cost of preparing White Papers and full proposals is NOT an allowable direct charge to any resulting contract that may be awarded as a result of this announcement, or any other contract with the Government.

4.0 Data Rights & Proprietary Data

4.1 The Government desires a minimum of Government Purpose Rights in technical data delivered under any contract resulting from the two-phased selection process described herein.

4.2 The Government will treat White Papers the same as bid and proposal information (see DFARS 252.227-7016). White Papers or full proposals containing data that is not to be disclosed to the public for any purpose or used by the Government except for evaluation purposes shall include the following statement on the cover page:

“This document includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed – in whole or in part – for any purposes other than evaluation. If, however, a contract is awarded to this Offeror as a result of – or in connection with – the submission of this data, the Government shall have the right to duplicate, use, and disclose this data to the extent provided in the resulting award document. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets marked "Proprietary" or that contain the legend prescribed by FAR 52.215-1.”

5.0 Submission Information

5.1 White Papers (Phase I): The Government reserves the right to select all, some, or none of the White Papers in response to this announcement. Offerors must be able to certify that they have an appropriate facility clearance to meet the security requirements of work proposed, and key personnel must be certified as holding an appropriate clearance. The security clearance level required for these efforts is up to and including **SECRET** level.

5.2 White Papers and Full Proposals submitted under the BAA should be unclassified to the greatest extent possible; however, classified White Papers (up to and including **SECRET**) and Proposals are permitted.

Note: Offerors must have the ability to perform, store, and process classified work up to the **SECRET** level.

5.3 For UNCLASSIFIED and CLASSIFIED White Papers and Proposals submitted in response to this BAA shall be sent to:

Commander, Naval Sea Systems Command,
ATTN: Dr. Andrew Slaterbeck, SEA 073RS
1333 Isaac Hull Avenue, SE (Stop 7025)
Washington Navy Yard, Washington, D.C. 20376-7025

Note: The inner wrapper of the classified White Papers should be addressed to the attention of SEA 073RS. Classified White Papers shall be packaged in accordance with DOD Instruction 5200.1R. No classified information shall be sent to any email addresses herein.

5.4 White papers (Phase I): The White Paper shall be no more than 10 single sided pages (excluding cover page, resumes, schedules, and draft statement of work including key milestones and deliverables).

a. Cover page, including proposal title, technical and administrative points-of-contact along with e-mail address, telephone and facsimile numbers (excluded from page limit);

b. Executive Overview of the proposed technology improvement area as well as a summary of any innovative claims, and the offeror's experience, capabilities and past performance in this area;

c. Technical Description, which should be sufficiently accurate and complete, and consist of discussions of the technology improvement(s) being proposed and the ingenuity associated with the concept. Provide a summary of the deliverables including data associated with the proposed technology improvement(s). If any portion of the proposed effort is predicated upon the use of Government-owned resources of any type, the Offeror shall clearly identify: the resources required, the date the resource is required, the duration of the requirement, the source from which the resource may be acquired, if known, and the impact on the effort if the resource is not provided. This section should specifically address any intellectual property claims associated with the outcome of this effort. Specifically, the Offeror shall justify the use of proprietary, vendor-unique, or closed components including but not limited to hardware, software and interfaces in current or future designs;

d. Offeror's capabilities and experience including a list of related and/ or relevant projects or contracts of a similar nature to the technologies proposed;

e. Resumes of key personnel (excluded from page limit);

f. Discussion of past performance detailing previous accomplishments and work in this or closely related areas as well as previous cost and schedule performance. Include contract numbers and their Government Point-Of-Contact;

g. A high level schedule for the proposed effort;

h. A brief discussion of the overall approach to management of this effort. This should include the organization, project/function/subcontractor relationships, government interfaces, and how performance, cost and schedule will be assessed and controlled;

i. Draft Statements of Work (SOW) including deliverables and key milestones, by fiscal year, to accomplish the effort proposed in the White Paper (excluded from page limit); Note: Navy reserves the right to negotiate the contents of the SOW if its desires to pursue contract award in Phase II;

j. Cost Estimate on a fiscal year basis (October – September);

k. Submit three (3) paper copies and three (3) electronic copy using Microsoft Office 2000 or more recent version. Pages are to be 8.5 x 11 inch, single-sided. Minimum font is 10 point.

5.5 Full Technical and Cost Proposals (Phase II): If solicited by the NAVSEA Contracting Officer, Offerors shall submit their technical proposals (three (3) paper copies and three (3) electronic copy using Microsoft Office 2000 or more recent version) and cost proposals (three (3) paper copy and three (3) electronic copy (CD) (no classified proposal shall be sent via email) by the time and date requested in the solicitation. Proposals shall consist of three each (Technical and Cost) separately bound volumes. Volume I shall provide the technical proposal and Volume II shall address cost. Volume I length is limited to fifty (50) pages exclusive of resumes of key personnel, which has no page limit. Pages are to be 8.5 x 11 inch, single-sided. Minimum font is 10 point. Volume II (cost proposal) has no page limit. Succinct proposals are desired.

Volume I Technical Proposal shall include the following sections:

1. Cover page, including proposal title, technical and administrative points-of-contact along with e-mail address, telephone and facsimile numbers, followed by a letter signed by the authorized officer.

2. Executive Overview of the proposed technology improvement area as well as a summary of any innovative claims, and the Offeror's experience, capabilities and past performance in this area;

3. Technical Description to consist of discussions of the technology improvement(s) being proposed and the ingenuity associated with the concept. Provide a summary of the deliverables including data associated with the proposed technology improvement(s). If any

portion of the proposed effort is predicated upon the use of Government-owned resources of any type, the contractor shall clearly identify: the resources required, the date the resource is required, the duration of the requirement, the source from which the resource may be acquired, if known, and the impact on the effort if the resource is not provided. This section should specifically address any intellectual property claims associated with the outcome of this effort. Specifically, the Offeror shall justify the use of proprietary, vendor-unique, or closed components including but not limited to hardware, software and interfaces in current or future designs. Note: Since the Government supports Open Architecture principles, asserted rights less than Unlimited or Government Purpose Rights may result in not receiving an award;

4. Offeror's capabilities and experience;
5. Resumes of key personnel;
6. Discussion of past performance detailing previous accomplishments and work in this or closely related areas as well as previous cost and schedule performance. Include contract numbers and their Points-Of-Contact;
7. A high level schedule for the proposed effort; and
8. A very brief discussion of the overall approach to management of this effort. This should including the organization, project/function/subcontractor relationships, Government interfaces, and performance/cost/schedule control practices.

Volume II: Cost Proposal shall estimate and justify costs to support the Volume I technical proposal and White Paper reflecting Navy comments, if any, and shall be in the form of Engineering Services for labor, and separate costs for travel, material and support, and any other costs. It will include the work breakdown structure, a cost summary and a breakdown of cost by fiscal year and identify:

- a. Direct Labor - Individual labor category or person, with associated labor hours and unburdened direct labor rates;
- b. Indirect Costs & Rates– E.g., Fringe, Overhead, G&A, Facilities Capital Cost of Money (FCCOM), etc;
- c. Travel - Number of trips, number of days per trip, departure and arrival destinations, and number of people. (Note: travel costs will not be entitled to fee);
- d. Subcontract – Separately identified subcontractor or consultant costs;
- e. Materials and support - Itemized 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. (Note: Material and support costs will not be entitled to fee);

f. Other Directs Costs - Itemized or estimated costs. (Note: ODCs will not be entitled to fee);

g. Fee dollars and fee percentage. (Note: Fee is not applicable to travel, material including ODCs, or support costs); and

h. License Option Price for providing data rights that are at least Government Purpose Rights (if applicable).

Note: Specify the proposal validity period (at least 180 days).

6.0 Evaluation

6.1 The selection of White Papers submitted in response to this BAA will be based on a scientific and peer review process. The major purpose of the evaluation will be to determine the relative merit of the technical approach of each White Paper. Business and contractual aspects, including proposed cost estimates and budgetary constraints, will also be considered as part of the evaluation. The selection of White Papers to continue through to Phase II of this process will be based on the potential benefits to the Government weighed against the cost estimates provided in the White Papers, in view of the availability of funds.

6.2 If White Papers are not summarily rejected for the reasons cited in subparagraph 2.2 above, then evaluation will be based on the following criteria:

1. Technical merit and approach;
2. Experience and capabilities of offeror, and experience of the key personnel who are critical to program success;
3. Past performance;
4. Cost estimates for budgetary feasibility and;
5. Data Rights Assertions

The above criteria are in descending order of importance for evaluation purposes.

Notes:

(1) All UNCLASSIFIED communications pertaining to this shall be submitted via e-mail. Technical related: Dr. Andrew Slaterbeck, SEA073RS, andrew.slaterbeck@navy.mil. Contractual related: Mr. Ryan Hackett, SEA 02622H, ryan.hackett1@navy.mil.

(2) The intent to ask a CLASSIFIED question shall be directed to Dr. Andrew Slaterbeck, 202 781-4788 and he will arrange for the CLASSIFIED question to be asked through a secure method of communication.

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