

BROAD AGENCY ANNOUNCEMENT
REMOTE SENSING APPLICATIONS

General Information:

Broad Agency Announcement (BAA) Number: 16-086

Posted Date: 2 Aug 2016

White Paper Response Due Date: 26 Aug 16

Requests for Proposals Date: 23 Sep 16

Full Proposal Submittal Due Date (if applicable): 4 Nov 16

Classification Code: A – Research and Development

Contracting Office Address:

SMC/RSK, 483 N Aviation Blvd, El Segundo, CA 90245-2808

This synopsis is being posted to the Federal Business Opportunities (FBO) site located at <http://www.fbo.gov>.

1.0 Purpose

1.1 The Space and Missile Systems Center (SMC) Remote Sensing Systems Directorate (SMC/RS) intends to solicit proposals through the use of a Broad Agency Announcement (BAA) (see FAR 35.016) for research on advanced technologies to enhance processing of space-based remote sensor mission data and dissemination of the resulting information products. The Remote Sensing Systems Directorate stood up an exploitation laboratory in Boulder, Colorado, in April 2016. The lab will have access to data from all Space-Based Infrared System (SBIRS) payloads and from selected additional sensors. The lab will have an open framework to make SBIRS data available to developers whose applications or services meet the framework's application programming interface (API). The lab will have access to live data and controlled data sets for use in development of algorithms and processing techniques from a wide variety of development organizations.

1.2 The primary objective for this BAA is the acquisition of applied research for the development of capabilities in the below stated areas. Innovative concepts, methods or approaches are solicited rather than focusing on a specific system or hardware/software solution. These concepts, methods or approaches will be tested in a prototype system and evaluated by the end users to assess the potential to contribute to the operational needs of the SBIRS program of record missile warning/missile defense operations center or the OPIR Battlespace Awareness Center (OBAC). Capabilities receiving positive assessments will be considered for transition to operational applications via appropriate acquisition programs separate and outside of this BAA.

Research solicited includes but is not limited to the following:

- Algorithm Improvements
- Data Storage and Dissemination
- User Experience
- Data Fusion

1.3 This BAA will remain open for a five year period, with one or more annual calls for white paper submissions anticipated.

1.4 SMC/RS has \$6.2M available (\$3.0M in FY16 and \$3.2M in FY17) for contract awards for this BAA call. Individual awarded contracts are anticipated to range from \$250K to \$1M, with contract value not limited by any specific amount other than budget available and government determination of project priority. Funds available in future years for BAA awards are currently projected to increase by approximately 30% per year (subject to change).

2.0 Proposal Selection Process and Contract Information

2.1 The BAA will remain open for a five year period. SMC/RS anticipates holding a minimum of one call for white papers each year.

2.2 SMC/RS will use a two-phased (Phase 1 and Phase 2) proposal selection for this BAA.

2.3 White Papers

Phase 1 of the proposal selection process consists of an invitation to submit white papers describing technical approach, experience of key personnel, past performance and a cost estimate in the technology improvement areas listed in Section 1.2 above. White papers are initially sought to preclude unwarranted effort on the part of the offeror without an initial assessment of the technical and operational feasibility of the concept by SMC/RS. 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 SMC/RS's evaluation under Section 7 below. Furthermore, white papers may be rejected for any of the following four reasons: 1) Proposal is not responsive to government interests; 2) Proposal was tried in the past or is in an existing capability; 3) Proposal has high schedule and/or cost risk or is unaffordable; or 4) Proposal is insufficiently mature for OPIR data exploitation development, which requires a Technology Readiness Level (TRL) of at least 3.

2.4 Full Proposals

Phase 2 of the proposal selection process consists of a request from the Government to the offeror(s) for full technical and cost proposals for a maximum of a two year period of performance to support SMC/RS. This effort will include maturing the technology leading to laboratory and integration testbed 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 2 proposal based on the Government's Request for Proposal (RFP).

2.5 Cost-plus-fixed-fee (CPFF) and Firm Fixed Price Level of Effort (FFP LOE) contracts may be awarded under Phase 2 of this selection process. Offerors with adequate accounting systems (as identified in FAR 16.301-3) should propose Cost Plus Fixed Fee contracts. Offerors without an adequate accounting system may propose Time and Materials (T&M) or Firm Fixed Price Level of Effort (FFP LOE) contracts. Contract periods of performance will include up to a two year maximum. If offerors are enhancing work performed under other DoD projects, they must clearly identify the point of departure, what existing work will be brought forward, and what new work will be performed under this BAA. Industry, academia, Small Businesses, Small Disadvantaged Businesses, educational institutions, Historically Black Colleges and Universities, and Minority Institutions are all encouraged to participate.

2.6 Notifications

White Papers

All offerors submitting a White Paper in response to this BAA will receive an email message. The e-mail will either inform the offeror that its White Paper was selected for invitation to submit a Full Proposal or its White Paper was not selected for an invitation.

Full Proposals

Offerors invited to submit Full Proposals will receive an email or other written notification from the DoD Component cognizant Contracting Officer providing instructions for the submission of a full proposal. Similarly, offerors that submit a full proposal will receive an email or other written notification if their proposal has been selected for award.

Note: Notification of White Paper and proposal selection is not an authorization to begin work.

2.7 Debriefings

White Paper evaluation will not entitle the offeror to a debrief as no award can result from a White Paper. However, for Full Proposals, the Component Contracting Officer shall follow the procedures in FAR 35.008 (d).

3.0 General Evaluation and Selection Information (See FAR 2.101 and 3.104)

3.1 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 are in full compliance with the provisions of Public Law (PL) 98-369, "The Competition in Contracting Act of 1984."

3.2 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 2 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.

3.3 White Papers and Full proposals will be evaluated using adjectival ratings applied to each of the non-price factors:

- **Factor #1 – Contribution to Focus Areas:** The degree to which the technical approach is relevant to the proposed Focus Area.
- **Factor #2 – Technical Approach/Qualifications:** The degree to which the technical approach is innovative, feasible, achievable, complete and supported by a technical team that has the expertise and experience to accomplish the proposed tasks. This includes an evaluation of the probability for transition of this effort into an acquisition program, a military system, or other military capability.
- **Factor #3 – Cost:** Whether the proposed cost or price is realistic for the proposed technical approach and does not exceed \$3 million.

During evaluations, when considered together Factors #1 and #2 are significantly more important than Factor #3.

IMPORTANT NOTE. The Government intends to use Government personnel for the evaluation of white papers and proposals. The Government reserves the right to use FFRDC and contractors who support SMC/RS to provide technical and acquisition advisory support for evaluations of white papers and proposals. The current list of potential advisory organizations includes Aerospace, MITRE, the holder of the STS-2 A&AS contract (LinQuest and its subcontractors Millennium, Booz Allen Hamilton, and Scitor), and the SMC/RS SE&I contractor (Engility Corporation and its sub IAI). If those contractors change over the life of the BAA, the Government will advise in writing. The evaluators and support personnel will be bound by appropriate Non-Disclosure Agreements to protect proprietary and source-selection information. Additionally, the support organizations described above are prohibited from submitting white papers in response to this BAA.

Should the offeror have any objections to personnel from these organizations participating in the evaluation of white papers and proposals, written notification shall be provided to the Contracting Officer within ten (10) business days prior to your submission of white paper(s). If there is an objection, the specific reason(s) for the objection(s) shall be stated in the written notification, and the specific support contractor of concern shall be identified.

3.4 The Government reserves the right to request any additional, necessary documentation during its evaluation. The Government reserves the right to remove offerors from award consideration should the parties fail to reach agreement on terms, conditions, and cost/price within a reasonable time, or the offeror fails to timely provide requested additional information.

3.5 One or more awards may be made under this BAA based on the evaluation criteria above and the availability of funds. Accordingly, white papers receiving the highest rating may not result in an award due to availability of funds or competing Government priorities.

3.6 Planned Schedule

As envisioned, this BAA will hold at least one call for white paper submittals per year. SMC/RS intends to complete its review of white papers 30 days after the submission due date. Any offeror invited to submit full technical and cost proposals based on an RFP shall do so

within the date and time specified by the Contracting Officer (estimated at approximately 45 days after receiving notification of invitation to submit). (Note, RFP issuance will be beyond the white paper response due date). Contract award(s) will be approximately three months after proposals have been received. Accounting for procurement processing time and funding availability, SMC/RS anticipates that the initial contract award(s) made as a result of this BAA will be late early CY2017.

Notional Timeline:

- BAA Release
- White Papers Submitted (30 days from BAA release)
- White Paper Evaluations (30 days from submittal)
- Proposals Requested
- Proposals Submitted (45 days from RFP)
- Proposal Evaluation/Negotiations (up to 90 days)
- Contract Awarded Under BAA

3.7 Offerors are advised that only the Contracting Officer is legally authorized to bind the Government. All contractual and technical questions regarding this BAA must be directed to the Contracting Officer, Ms. Doreen Grosvirt-Dramen (310-653-3295 or by e-mail doreen.grosvirt-dramen@us.af.mil), or the Program Manager, Mr. Marcus Chaney (310-653-4393 or by e-mail marcus.chaney.3@us.af.mil).

Phase 1 white papers submitted in response to this BAA shall be sent to the Contracting Officer, Ms. Doreen Grosvirt-Dramen, at the following address: SMC/RSK, 483 N Aviation Blvd, El Segundo, CA 90245-2808; or e-mail address: doreen.grosvirt-dramen@us.af.mil; and the Program Manager, Mr. Marcus Chaney at e-mail address: marcus.chaney.3@us.af.mil.

4.0 White Paper and Full Proposal Preparation Costs

Offerors are hereby advised that the Government will not pay for any white paper or full proposal preparation costs resulting 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 BAA, or any other contract with the Government.

5.0 Data Rights & Proprietary Data

5.1 Government Purpose Rights in technical data is preferred and is the default for capabilities delivered under any contract resulting from the two-phased selection process described herein. Lesser data rights will be evaluated on a case-by-case basis in return for other consideration.

5.2 The Government (along with selected scientific and engineering expert personnel as well as support contractor personnel as stated in Section 3.3) 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.”

6.0 Organizational Conflicts of Interest (OCI)

6.1 Purpose

The primary purpose of this provision is to aid in ensuring that: the Contractor’s objectivity and judgment are not biased because of its present, or currently planned interests (financial, contractual, organizational, or otherwise) which relate to work under a contract; the Contractor does not obtain an unfair competitive advantage by virtue of its access to non-public Government information regarding the Government’s program plans and actual or anticipated resources; and the Contractor does not obtain any unfair competitive advantage by virtue of its access to proprietary information belonging to others.

6.2 Scope

The restrictions described herein shall apply to performance or participation by the Contractor and any of its affiliates or their successors in interest (hereinafter collectively referred to as “Contractor”) in the activities covered by this clause as prime contractor, subcontractor, co-sponsor, joint venture, consultant, or in any similar capacity. The term “proprietary information” for the purposes of this clause is any information considered to be so valuable by its owner that it is held in secret by them and their licensees.

Information furnished voluntarily by the owner without limitations on its use, or which is available without restrictions from other sources, is not considered proprietary.

Access To and Use of Government Information: If the Contractor, in the performance of this contract, obtains access to information such as plans, policies, reports, studies, financial plans, or data which has not been released or otherwise made available to the public, the Contractor agrees that without prior written approval of the Contracting Officer, it shall not: (a) use such information for any private purpose unless the information has been lawfully released or otherwise made available to the public, (b) compete for work based on such information after the completion of this contract, (c) submit an unsolicited proposal to the Government which is based on such information after such information is released, or (d) release such information unless such information has previously been lawfully released or otherwise made available to the public by the Government.

Access To and Protection of Propriety Information: The Contractor agrees that, to the extent it receives or is given access to proprietary data, trade secrets, or other confidential or privileged technical, business, or financial information (hereinafter referred to as “proprietary data”) under this contract, it shall treat such information in accordance with any restrictions imposed on such

information. The Contractor further agrees to enter into a written agreement for the protection of the proprietary data of others and to exercise diligent effort to protect such proprietary data from unauthorized use or disclosure. In addition, the Contractor shall obtain from each employee who has access to proprietary data under this contract, a written agreement which shall in substance provide that such employee shall not, during his/her employment by the Contractor or thereafter, disclose to others or use for their benefit, proprietary data received in connection with the work under this contract. The Contractor will educate its employees regarding the philosophy of Part 9.505-4 of the Federal Acquisition Regulation so that they will not use or disclose proprietary information or data generated or acquired in the performance of this contract except as provided herein.

Subcontracts: The Contractor shall include this or substantially the same clause, including this paragraph, in consulting agreements and subcontracts of all tiers. The terms “Contract”, “Contractor”, and “Contracting Officer”, will be appropriately modified to preserve the Government’s rights.

Disclosures: If the Contractor discovers an organizational conflict of interest or potential conflict of interest after award, a prompt and full disclosure shall be made in writing to the Contracting Officer. This disclosure shall be made on the OCI Analysis/ Disclosure Form provided as an Attachment to this contract, and shall include a description of the action the Contractor has taken or proposes to take in order to avoid or mitigate such conflicts.

Remedies and Waiver: For breach of any of the above restrictions or for non-disclosure or misrepresentation of any relevant facts required to be disclosed concerning this contract, the Government may terminate this contract for default, disqualify the Contractor for subsequent related contractual efforts, and pursue such other remedies as may be permitted by law or the contract. If, however, in compliance with this clause, the Contractor discovers and promptly reports an organizational conflict of interest (or the potential thereof) subsequent to contract award, the Contracting Officer may terminate this contract for the convenience of the Government if such termination is deemed to be in the best interest of the Government.

Modifications: Prior to contract modification, when the Scope of Work is changed to add new work or the period of performance is significantly increased, the Contracting Officer may require the Contractor to submit either an organizational conflict of interest disclosure or an update of the previously submitted disclosure or representation.

7.0 Submission Information

7.1 The Government intends to make multiple awards resulting from this announcement and reserves the right to select for award any, all, part, or none of the proposals received. The awards will be made based on the best proposals that are determined to be most beneficial to the Government with appropriate consideration given to the evaluation factors, order of importance, and selection preferences. Awards will be made to the offerors whose offer is determined to provide the “best value” to the Government based on the factors/preferences, this may not necessarily be the proposal offering the lowest cost/price or receiving the highest evaluated rating.

7.2 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 security clearance. The security clearance level required for these efforts is up to the SECRET level.

7.3 White papers (Phase 1): White papers shall be UNCLASSIFIED and no more than five pages, excluding resumes. No supplemental information should be submitted such as supporting videos; but screenshots or photos may be submitted provided they are within the page limit. A separate white paper shall be submitted for each individual research interest proposed; no grouping of white papers. White papers shall include the following information as a one-file submittal:

1. Cover page, including company name and address, business type, proposal title, area of technology improvement being addressed, technical and administrative points-of-contact, along with email address, telephone and facsimile numbers. (Note: provide one mailing address to use for any Government notification letters);

2. Executive Overview of the proposed technology improvement area as well as a summary of any innovative claims, experience of the key personnel and company past performance in this area;

3. 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, method or approach. 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. The Government supports open systems architecture principles, asserted rights other than a minimum of Government Purpose Rights may result in not receiving an invitation to submit full technical and cost proposals;

4. Resumes of key personnel that include relevant experience in the technology area proposed (excluded from page limit). (Note: It is preferred that file name is formatted as: CompanyName_FirstNameLastName_Resume.pdf);

5. Discussion of past performance detailing recent (within the last 3-5 years) accomplishments and work which are in any way relevant to the effort required by this BAA. This should include previous cost and schedule performance, contract numbers, and appropriate points of contact with their phone and/or e-mail address;

6. A high level schedule for the proposed effort;

7. Recommended contract type;

8. Cost Estimate in \$K on a fiscal year basis (October 20XX – September 20XX+1) for up to two years; and

9. For each white paper submission to the Contracting Officer (see Section 3.4 above), pages are to be 8.5 x 11 inch, single-sided. Minimum font is 10 point. Electronic submittals should be clearly readable as a 'pdf' version (an additional Word (.doc) document is unnecessary), and avoid sending an electronic copy of a scanned version. Ensure the following information is included in the document: company name, BAA #16-086, date, white paper title, and area of technology improvement. It is preferred that the entire file name be: CompanyName_Title_WhitePaper.pdf.

7.4 Full Technical and Cost Proposals (Phase 2): If, and only if, solicited by the Contracting Officer, offerors shall submit their technical proposals and cost proposals through e-mail and/or CD (proposal files over 10MB should be sent by CD) by the time and date requested in the RFP. Proposals shall be UNCLASSIFIED and consist of two separate volumes. Volume I shall provide the technical proposal and Volume II shall address cost. The length of Volume I is limited to 20 pages (which allows for elaboration of similar information provided in white papers). This page limit does not include the draft Statement of Work (SOW) and resumes of key personnel. Pages are to be 8.5 x 11 inch. Minimum font is 10 point. Electronic submittals should be clearly readable as a 'pdf' version (an additional Word (.doc) document is unnecessary), and avoid sending an electronic copy of a scanned version. Volume II has no page limit. Succinct proposals are desired.

Volume I (Technical Proposal) shall include the following sections:

1. Cover page, including company name and address, proposal title, area of BAA being addressed, technical and administrative points-of-contact, along with email address, telephone and facsimile numbers. Also include a letter signed by the authorized officer specifying the proposal validity period (at least 270 days);

2. Executive Overview of the proposed technology improvement area as well as a summary of any innovative claims, experience of the key personnel and company past performance in this area;

3. Technical Description, which should be sufficiently accurate and complete to assist the Government to write a Statement of Work, and consist of discussions of the technology improvement(s) being proposed and the ingenuity associated with the concept, method or approach. 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. Since the Government supports open systems architecture principles, asserted rights other than Unlimited or Government Purpose Rights may result in the proposal not being selected for funding;

4. Resumes of key personnel that include relevant experience in the technology area proposed (excluded from page limit). (Note: It is preferred that file name is formatted as: CompanyName_FirstNameLastName_Resume.pdf);

5. Discussion of accomplishments and work (within the last 3-5 years) which are in any way relevant to the effort required by this BAA. This should include previous cost and schedule performance, contract numbers, and appropriate points of contact with their phone and/or e-mail address;

6. A high level schedule for the proposed effort;

7. Draft Statements of Work (SOW) including deliverables and key milestones, by fiscal year, to accomplish the effort proposed in the White Paper;

Volume II (Cost Proposal) shall estimate and justify costs to support the Volume I technical proposal and/or white paper. It shall include a one-page work breakdown structure, a cost summary and a breakdown of cost by USG fiscal year (unless a company has rates that are aligned to a different fiscal year, in which case costs should be broken down to align with however the rates are aligned).

The following information should be contained in a cover sheet attached to the cost proposal:

- 1) Full company name and address
- 2) BAA number submitting proposal against
- 3) Point of contact, name, title, and phone and fax number
- 4) CAGE code
- 5) DUNS number
- 6) Type of contract proposed (i.e. CPFF, T&M, FFP LOE)
- 7) Name, address and phone number of administration (DCMA) office
- 8) Name, address and phone number of audit (DCAA) office
- 9) Will you require the use of any government property in the performance of this work? If yes, identify.
- 10) Is this proposal consistent with your established estimating and accounting practices and procedures and FAR Part 31 cost principles? If no, explain.

Instructions for Cost Plus Fixed Fee and any Firm Fixed Price Level of Effort proposals:

Requests for proposals shall provide instructions in accordance with FAR 15.403 and Table 15-2 in FAR 15.408

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

When certified cost or pricing data are required in accordance with FAR 15.403, the offeror shall

submit to the contracting officer (and require subcontractors or prospective subcontractors submit to the prime contractor or appropriate subcontractor tier) the following:

- 1) The certified cost or pricing data; and
- 2) A certificate of current cost or pricing data, in the format specified in FAR 15.406-2, certifying to the best of its knowledge and belief, the cost or pricing data were accurate, complete, and current as of the date of agreement on price or, if applicable, an earlier date agreed upon between the parties as close as practicable to the date of agreement on price.

If certified cost or pricing data are requested and submitted by an offeror but an exception is later found to apply, the data will not be considered cost or pricing data as defined in FAR 2.101 and will not be certified in accordance with FAR 15.406-2.

If an offeror takes exceptions to the requirements called out in RFP, the exceptions should be clearly stated in the cost proposal.

8.0 System for Award Management (SAM) Registration and Universal Identifier Requirements

Unless exempt from this requirement as per FAR 4.1102, all proposers must be registered in the System for Award Management (SAM) and have a valid Data Universal Numbering System (DUNS) number prior to receiving an award. All proposals must include the proposer's DUNS number. Information on SAM registration is available at <https://www.sam.gov/portal/public/SAM/>. Note: new registrations can take an average of 7-10 business days to process in SAM.

9.0 Point of Contact

Contracting Officer: Ms. Doreen Grosvirt-Dramen, SMC/RSK, 310-653-3295, email doreen.grosvirt-dramen@us.af.mil.

Program Manager: Mr. Marcus Chaney, SMC/RXS, 310-653-4393, e-mail marcus.chaney.3@us.af.mil.