DARPA-BAA-09-15 Retriever

Broad Agency Announcement (BAA)

for

Defense Advanced Research Projects Agency (DARPA)
Information Processing Techniques Office (IPTO)

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Part One: Overview Information

- **Federal Agency Name –** Defense Advanced Research Projects Agency (DARPA), Information Processing Techniques Office (IPTO)
- **Funding Opportunity Title –** Retriever
- **Announcement Type –** Initial Broad Agency Announcement
- **Funding Opportunity Number –** DARPA-BAA-09-15
- **Catalog of Federal Domestic Assistance Numbers (CFDA) –** (N/A)
- **Key Dates –**
    - Posting Date – See announcement at www.fbo.gov
    - This BAA will remain open for a period of one year.
    - Proposal Due Date:
        - Initial Closing – 1200 noon (ET), 29 January 2009
        - Final Closing – 1200 noon (ET), 8 December 2009
    - Classified Questions (see section VIII) Due 3 January 2009
- **Anticipated Awards –** One or more awards are anticipated.
- **Types of Instruments that may be Awarded –** Awards under this solicitation may be procurement contracts or other transaction agreements. Offerors should note that grants and cooperative agreements **will not** be awarded under this solicitation.
- **Technical Point of Contact –**

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Part Two: Full Text of Announcement

I. FUNDING OPPORTUNITY DESCRIPTION

DARPA often selects its research efforts through the BAA process. The BAA will appear first on the FedBizOpps website, http://www.fedbizopps.gov/, then the agency website at http://www.darpa.mil/ipto/solicit/solicit.asp. The following information is for those wishing to respond to the BAA.

DARPA is soliciting research and development proposals in the areas of radio frequency (RF) signal location and identification for the Retriever program. Because a BAA solicitation allows a wide range of innovative ideas and concepts, offerors will have the flexibility to develop a tailored program plan that best advances the Retriever program goals.

The Retriever program is an advanced technology development and demonstration program for location and identification of RF signals. **Specific system performance objectives are classified and are available in the Retriever Classified Addendum. (See Section IV.A for information on how to receive the addendum.)** The Retriever program development will include producing a Technology Development and Assessment Plan (TDAP) which contains component and software development, and performance validation via demonstrations in both laboratory and controlled operational type environments, showing that the newly created system can meet the program's performance objectives. The TDAP is described in detail in the Phase I Objectives section below.

The envisioned Retriever program will be conducted in three phases. During Phase I, one or more performers will develop a prototype Retriever system. This will include developing the TDAP, component and software development, and performance testing and evaluation. In Phase II, the performer(s) will further develop their Retriever system, performing additional risk reduction, demonstrate their system running in real-time and performing testing and demonstrations in environments as described in the Retriever Classified Addendum. During Phase III, the Retriever system will be embedded into hardware as specified by the Government. The system will undergo testing and demonstrations in conjunction with a transition to the U.S. military.

Technology developers with expertise in specific component areas are encouraged to team with an overall system developer as **DARPA is only interested in full system solutions in response to this BAA.** DARPA is soliciting proposals covering all three phases; however, Phase III will be a Rough Order of Magnitude (ROM) only. A full proposal for Phase III will be requested by the government prior to the end of Phase II, dependent upon performance during Phases I and II. Eligibility for continuing from Phase I to Phase II will be based on the satisfactory completion of programmatic and technical Go/No-Go metrics, among other considerations such as the availability of funding. Eligibility for continuing from Phase II to Phase III will be based on the Phase III proposal, satisfactory completion of programmatic and technical Go/No-Go metrics,

and other considerations such as the availability of funding and the likelihood of transition to the military.

Program Description and Structure
The overall Retriever program objective is to enable a distributed system of devices to be utilized to perform RF signal identification and location. As stated above, specific Retriever performance objectives are classified and are provided in the Classified Addendum to this BAA. See Section IV.A. for instructions on receiving the Classified Addendum.

DARPA is seeking solutions to the functions of RF signal location and identification. The following general categories of metrics associated with Retriever are detailed in the Classified Addendum:

- Successful system operation in the specified emitter density and operating environment
- RF signal location accuracy
- Probability of correct RF signal identification and probability of false alarm

The Retriever program will be conducted in three phases:

- Phase I - Retriever prototype system, which includes refinement of the System Design Document (SDD), TDAP development, component and software development, and performance validation via laboratory demonstrations and demonstrations in a controlled operational environment.
- Phase II - Continued development and refinement of the Retriever prototype system. This will include demonstrating real-time processing on hardware compatible with the ultimate program objectives. Demonstrating that the Retriever system will be capable of operating in the more complex signal environment associated with Phase II (see Classified Addendum).
- Phase III - Embedding the Retriever system within specified devices and performing operational demonstrations. This will conclude with the transition of the Retriever system to the military.

Each phase will progressively mature the design and technologies required to validate the ability to achieve the Retriever system performance goals and move incrementally toward an operational system. The following sections describe the specific technical objectives of each phase.

Phase I Objectives

The Phase I objectives are to:

- Refine the Retriever SDD;
- Develop the TDAP;
- Develop the Retriever prototype system;
- Reduce component technology risk;

- Validate the prototype Retriever system with respect to the Key Performance Parameters (KPPs) and Go/No-Go metrics provided in the Classified Addendum.

Data utilized for testing and evaluation of the Retriever system is described in the Classified Addendum. More detail on each of these objectives is provided in the following paragraphs.

As part of the offeror's Retriever Proposal, a set of Go/No-Go metrics shall be provided. The metrics should meet the minimum Retriever performance goals set forth in the Classified Addendum. The Go/No-Go metrics should be unambiguous and easily understood.

Offerors shall submit a prototype system conceptual design with their proposals. The prototype system conceptual design should be described in the SDD contained within the technical approach section of the proposal. The SDD contents are described in the Classified Addendum. The SDD will be further developed and refined during the Retriever program.

During Phase I, the software within the Retriever prototype system is not required to run in real-time. The performer will need to have software that is capable of processing data in order to enable the evaluation of the prototype system against the Go/No-Go metrics. During Phase I, the performer shall also conduct a study to determine the final requirements for hardware associated with an operational system. The performer shall implement a process to document trade study results, derive and track requirements and design decisions as the design matures to ensure a robust system level design. This shall be documented in the performer's SDD. It is expected that the performers will hold an initial system concept review (SCR) early in Phase I. The SCR will be a review of the SDD. This SCR will provide a system overview, map system performance capabilities to system level requirements, document the system level requirements, and provide subsystem level requirements and interface definitions. The SCR information will form the basis for deriving the technical objectives of the component level tests and demonstrations to validate the design. The performer will continue to mature their prototype Retriever System throughout Phase I, adding detail and incorporating the results of component and system level risk reduction activities. The final Phase I deliverables will be a prototype Retriever system, SCR, SDD, TDAP, and test results which permit evaluation of the program Go/No-Go metrics.

Offerors shall submit a TDAP in the technical approach section of their proposal that details the component and software technology risk reduction activities to be performed throughout Phases I and II. This TDAP will be finalized early in Phase I in conjunction with the SCR. The TDAP will provide an integrated basis for all risk reduction activities that will be performed during Phases I and II, culminating in a laboratory demonstration and demonstration in a controlled operational environment setting in Phase I, and a demonstration and operational assessment in a relevant operating environment at the end of Phase II. The conditions related to the testing and evaluation of the Retriever system are described in the Classified Addendum.

The TDAP will:

- Identify and assess critical technologies, processes and system attributes that constitute the major technical and system integration risks on the program as well as elements required for a final system, e.g., system strategy for locating RF signals;
- Identify major risk reduction tests and demonstrations required to validate the ability to achieve the Retriever performance goals. This will include a series of prototype system tests in Phase I and II;
- Define credible intermediate performance objectives (success criteria) associated with each of these critical tests and demonstrations; and
- Define a program for systematically reducing risk that meets the Phase I and II objectives, including the quantified Go/No-Go metrics at the end of Phase I.

Following finalization of their TDAP, performers will begin to execute the Phase I portion of the plan. DARPA envisions Phase I risk reduction to include testing of laboratory components in order to validate component level performance capabilities required to achieve the system level performance objectives. Phase I will culminate in demonstrations of the system performance capabilities against established Go/No-Go metrics.

Phase II Objective

The Retriever Phase II objective is to:

- Demonstrate that the Retriever system will meet the KPPs associated with the Phase II Go/No-Go metrics in the Classified Addendum.

Phase III Objectives

The Phase III objectives are:

- Embed the Retriever System in devices as specified by the Government during Phase II;
- Conduct demonstrations with Retriever prototypes; and
- Transition the Retriever system to the military.

The decision to continue the program into Phase III will be based upon the Government's determination that the selected performer(s) have successfully completed the Phase II exit criteria, the availability of Phase III funds, and other relevant programmatic considerations. Prior to the end of Phase II, DARPA intends to provide Phase III guidance and request a Phase III proposal, as required. The prototype system will be subject to additional user testing in an operational environment followed by transition to the military services.

Schedule and Deliverables

DARPA has not developed a detailed schedule. Offerors should propose a schedule appropriate for the design maturity and risk reduction required for their Retriever system concept and transition to military use. Interim Program Reviews (IPRs) will be held to assess progress, provide feedback and stay abreast of any emerging technical, cost or

schedule issues. Offerors shall include a detailed list of deliverables. Each deliverable shall include a delivery date completion criterion. The deliverables shall include, but are not limited to, SDD, SCR, TDAP, prototype Retriever system, Go/No-Go tests, Phase III proposal and monthly reports.

DARPA will staff a team of subject matter experts from Government and support performers to attend program reviews and provide feedback to the Program Manager. In addition to IPRs, regular telecoms are encouraged to enhance communications with the government team. Should important issues arise between program reviews, the Government team will be available to support informal interim technical interchange meetings.

The following events/deliverables must be included as part of the performer's review schedule:

- Monthly Reports
- SDD, SCR and Final TDAP
- IPR Meetings are to be held quarterly. The IPR locations will be specified by the Program Manager. In general, the IPR location will be at the performer's facility or in Arlington, Virginia
- Results of major component tests and demos as identified in the TDAP
- Final Phase review after each program phase has been completed
- A Phase III proposal, upon request by the Government during Phase II, for embedding the Retriever System into devices specified by the Government

A description of each deliverable is provided in the following sections.

Monthly Reporting

The performer(s) shall produce a monthly report (in the performer's format) that includes general program status, a summary of significant accomplishments, issues, and an updated program risk summary. The classified monthly report shall also contain an unclassified appendix with the following information: actual financial expenditures versus planned expenditures, actual progress made versus planned progress, the cost of progress claimed versus the planned cost of progress made. If the performer utilizes an earned value system, the Cost Performance Index (CPI), Schedule Performance Index (SPI), and total expenditure data will be satisfy all requirements for the unclassified appendix. The monthly report shall be submitted to the Retriever Program Manager by the 15th of each month.

System Design Document (SDD) – The SDD is described in the classified addendum.

System Concept Review (SCR) and Final Technology Development and Assessment Plan (TDAP)

The performer(s) shall conduct an SCR to review the SDD. This review will describe the system concept, system architecture, system operation, system level requirements

and functions necessary to achieve their predicted Retriever prototype system performance. The requirements should have direct legacy to the program metrics. These system and functional requirements shall be decomposed and allocated as appropriate to various components of the system architecture to develop performance metrics for subsystems and components. These requirements in turn will be used to establish quantified values for the success criteria for all of the risk reduction events in the TDAP. This review should show how each of the system level performance metrics will be met and how the risk of meeting these metrics will be continuously reduced via the execution of the TDAP. In particular, this review should focus on substantiating how the planned testing will validate that the performance requirements and Phase I exit criteria can be met. The review encompasses the Phase I system requirements, e.g., algorithms, software architecture and implementation, system operation, and technology considerations. The performer shall provide the TDAP at the SCR. The TDAP will serve as the roadmap for executing the remainder of the program. Specific SCR review items are:

- Concept Design
- System Architecture
- System Operation
- Functional Flow Analysis
- Requirements & Requirements Allocation
- Testing
- Technology Development and Assessment Plan
    - Trade Studies
    - Risk Summary including risk management/mitigation plan. Note: all risks are to be quantified with respect to schedule impact and cost impact. Schedule impact is to be quantified in terms of months and cost impact is to be quantified in terms of dollars. Each risk shall have a risk mitigation approach associated with it.
    - Risk assessment (e.g. 5x5 risk cube)
    - Test and demonstration quantifiable success metrics
    - Technical Performance Metrics
- Prototype System Design Concept
    - Block diagram
    - Preliminary processing estimates
    - Software architecture
    - Interfaces
    - System integration approach
- Phase II Systems Engineering Plan
    - Process
    - Organization
    - Configuration management

Quarterly Interim Program Review (IPR) Meetings

The performer(s) shall provide periodic technical and programmatic updates through IPRs. The IPRs should reflect an increasing level of design fidelity as requirements are flowed down through the segment to the configuration item level and as the results of

risk reduction activities impact the design as well as positive progress towards meeting of quantitative program goals. Specifics and timing of deliverables to be included at each review are left to the offeror however, the following elements are envisioned:

- Review of the Retriever SDD
- Review of latest Retriever prototype system design
- Updates to the software architecture and module design
- Review of system requirements and system engineering activities
- Current system performance measured against program metrics

Results of Major Component Tests and Demonstrations

At each quarterly review, the offeror shall review the results of any risk reduction activities conducted since the prior milestone. This review shall provide a comparison of test results to performance predictions. Performance results will also be compared to the success criteria established in the TDAP. If the results of major component testing do not meet quantified expectations, then the performer shall describe fall-back plans for addressing the deficiencies.

Final Phase I Review

A final Phase I review will be conducted to assess the maturity of the Retriever prototype system and readiness to proceed into Phase II. At this review, DARPA will evaluate the progress, technical adequacy, and risk of the Retriever prototype system design; assess its compatibility with Retriever performance requirements and the demonstration objectives of the TDAP; and establish the existence and compatibility of the Retriever interfaces. For software items, the government will evaluate the progress, consistency and technical adequacy of the design and test approach, and compatibility between software requirements, test requirements and the preliminary design/implementation. Following the Phase I review, the Retriever system shall be put under formal configuration control. Specific Phase I review objectives are as follows:

- Verify functional, performance and interface design requirements for subsystem and configuration items to enable execution of the TDAP;
- Review the Retriever configuration management controls;
- Review and evaluate the maturity of the software;
- Define Item Performance Specifications including software-related items;
- Present Phase I performance results in support of Program Go/No-Go metrics, including the results, as well as the method utilized for measuring the program goals against the criteria;
- Evaluate the design data defining major subsystems, equipment, software, and other elements; and
- Review results of risk reduction activities.

Exit Criteria Program Metrics

In order for the Government to evaluate the effectiveness of proposed solutions in achieving the stated program objectives, exit criteria (Go/No-Go metrics) have been established for each program phase. The exit criteria will serve as the basis for determining whether satisfactory progress is being made to warrant continued funding

of the program and/or performer(s). The Government has defined the following exit criteria for Phase I and II.

Phase I Exit Criteria

- Test results validate the feasibility of the Retriever prototype system to meet the program objectives. Goals for the offeror's Go/No-Go metrics are defined in the Classified Addendum.
- Phase I design meets the program objectives for performance requirements and provides evidence that the performer will be able to embed the Retriever system in a government-specified device.

Phase II Exit Criteria

- Prototype testing validates that the Retriever prototype system meets all of the system performance objectives and metrics. See Classified Addendum for quantified metrics.

Please note that continuing from Phase I to Phase II will be based on the satisfactory completion of programmatic and technical Go/No-Go metrics, among other considerations such as the availability of funding. Eligibility for continuing from Phase II to Phase III will be based on the Phase III proposal, satisfactory completion of programmatic and technical Go/No-Go metrics, and other considerations such as the availability of funding and the likelihood of transition to the military.

II. AWARD INFORMATION

One or more awards are anticipated for this effort. The amount of resources made available to this BAA will depend on the quality of the proposals received and the availability of funds. The Government reserves the right to select for negotiation all, some, one, or none of the proposals received in response to this solicitation, and to make awards without discussions with offerors. The Government also reserves the right to conduct discussions if the Source Selection Authority later determines them to be necessary. If warranted, portions of resulting awards may be segregated into pre-priced options. Additionally, DARPA reserves the right to accept proposals in their entirety or to select only portions of proposals for award. In the event that DARPA desires to award only portions of a proposal, negotiations may be opened with that offeror. The Government reserves the right to fund proposals in phases with options for continued work at the end of one or more of the phases.

Awards under this BAA will be made to offerors on the basis of the evaluation criteria listed below (see section V - Application Review Information) and program balance to provide best value to the Government. Proposals identified for negotiation may result in a contract or other transaction agreement, depending upon the nature of the work proposed, the required degree of interaction between parties, and other factors. Offerors should note that no grants or cooperative agreements will be awarded.

The Government reserves the right to request any additional, necessary documentation once it determines the type award instrument. Such additional information may include, but is not limited to Representations and Certifications.

As of the date of publication of this BAA, DARPA expects that program goals for this BAA **cannot** be met by offerors intending to perform 'fundamental research,' i.e., basic and applied research in science and engineering, the results of which ordinarily are published and shared broadly within the scientific community, as distinguished from proprietary research and from industrial development, design, production, and product utilization the results of which ordinarily are restricted for proprietary or national security reasons. Notwithstanding this statement of expectation, DARPA is not prohibited from considering and selecting research proposals that, regardless of the category of research proposed, still meet the BAA criteria for submissions. In all cases, the contracting officer shall have sole discretion to select award instrument type and to negotiate all instrument provisions with selectees.

III. ELIGIBILITY INFORMATION

A. Eligible Applicants

All responsible sources capable of satisfying the Government's needs may submit a proposal that shall be considered by DARPA. Offerors are reminded that DARPA is only interested in full system solutions in response to this BAA. Technology developers with expertise in specific component areas are encouraged to team with an overall system developer. Due to security requirements, all prime Contractors must be capable of receiving, processing, and storing export controlled and classified information under this effort.

Foreign participants and/or individuals may participate as subcontractors or consultants to the extent that such participants comply with any necessary Non-Disclosure Agreements, Security Regulations, Export Control Laws, ITAR regulations, and other governing statutes applicable under the circumstances. Offerors are reminded that implementation of applicable agreements and licenses is the responsibility of the offeror.

Historically Black Colleges and Universities (HBCUs), Small Businesses, Small Disadvantaged Businesses and Minority Institutions (MIs) are encouraged to submit proposals and join others in submitting proposals; however, no portion of this announcement will be set aside for these organizations' participation due to the impracticality of reserving discrete or severable areas of this research for exclusive competition among these entities.

Federally Funded Research and Development Centers (FFRDCs) and Government entities (Government/National laboratories, military educational institutions, etc.) are subject to applicable direct competition limitations and cannot propose to this BAA in

any capacity, unless they can clearly demonstrate the work is not otherwise available from the private sector AND they also provide written documentation citing the specific statutory authority (as well as, where relevant, contractual authority) establishing their eligibility to propose to government solicitations. At the present time, DARPA does not consider 15 U.S.C. 3710a to be sufficient legal authority to show eligibility. While 10 U.S.C. 2539b may be the appropriate statutory starting point for some entities, specific supporting regulatory guidance, together with evidence of agency approval, will still be required to fully establish eligibility. DARPA will consider eligibility submissions on a case-by-case basis; **however, the burden to prove eligibility for all team members rests solely with the offeror.**

Overall proposals will be classified with the exception of the SOW and cost proposal which will be unclassified. Offerors may, if necessary, include a classified addendum to the unclassified SOW. Therefore, applicants shall ensure all industrial, personnel, and information system processing security requirements are in place and at the appropriate level (e.g., Facility Clearance (FCL), Personnel Security Clearance (PCL), certification and accreditation (C&A)) and any Foreign Ownership Control and Influence (FOCI) issues are mitigated prior to such submission or access. Additional information on these subjects can be found at: www.dss.mil.

B. Cost Sharing or Matching

Cost sharing is not required for this particular program; however, cost sharing will be carefully considered where there is an applicable statutory condition relating to the selected funding instrument (e.g., for any Other Transactions under the authority of 10 U.S.C. § 2371). Cost sharing is encouraged where there is a reasonable probability of a potential commercial application related to the proposed research and development effort.

C. Other Eligibility Requirements

1. Ability to Support Classified Design and Development

All offerors wishing to submit proposals against this BAA must be capable of supporting DOD classified TOP SECRET level design and development work for the duration of the effort, should they be selected for award. This requires that all personnel involved in the classified design and development work must have at a minimum a SECRET level DOD clearance and that the facility where the design and development work will be performed is approved for classified work and storage. This also requires that all computers, work stations, and other information processing equipment to be used for the classified design and development work be approved at a minimum for SECRET level work and storage. Offerors proposing against this BAA must provide their CAGE code and security point(s) of contact in their proposals.

2. Procurement Integrity, Standards of Conduct, Ethical Considerations, and Organizational Conflicts of Interest

Current federal employees are prohibited from participating in particular matters involving conflicting financial, employment, and representational interests (18 USC 203, 205, and 208.). The DARPA Program Manager for this BAA is Dr. Brian Leininger. As of the date of first publication of the BAA, the Government has not identified any potential conflicts of interest involving this Program Manager. Once the proposals have been received, and prior to the start of proposal evaluations, the Government will assess potential conflicts of interest and will promptly notify the offeror if any appear to exist. (Please note the Government assessment does NOT affect, offset, or mitigate the offeror's own duty to give full notice and planned mitigation for all potential organizational conflicts, as discussed below.). The Program Manager is required to review and evaluate all proposals received under this BAA and to manage all selected efforts. Offerors should carefully consider the composition of their performer team before submitting a proposal to this BAA.

In accordance with FAR 9.503 and without prior approval or a waiver from the DARPA Director, a contractor cannot simultaneously be a SETA and a performer. Therefore, all offerors and proposed subcontractors must affirm whether they (their organizations and individual team members) are providing scientific, engineering, and technical assistance (SETA) or similar support to any DARPA technical office(s) through an active contract or subcontract. All affirmations must state which office(s) the offeror, sub and/or individual supports and identify the prime contract numbers. Affirmations shall be furnished at the time of proposal submission. All facts relevant to the existence or potential existence of organizational conflicts of interest (FAR 9.5) must be disclosed. It is solely the Government's decision on what constitutes a conflict of interest. The disclosure shall include a description of the action the offeror has taken or proposes to take to avoid, neutralize, or mitigate such conflict. **Proposals that fail to fully disclose potential conflicts of interests and/or do not have plans to mitigate this conflict will be rejected without technical evaluation and withdrawn from further consideration for award.**

If a prospective offeror has any questions on what may constitute a potential conflict of interest (whether organizational or otherwise), the offeror should promptly raise the issue with DARPA by sending his/her contact information and a summary of the potential conflict by email to the mailbox address for this BAA at DARPA-BAA-09-15@darpa.mil, before time and effort are expended in preparing a proposal and mitigation plan. If, in the sole opinion of the Government after full consideration of the circumstances, any conflict situation cannot be effectively mitigated, the proposal will be rejected without technical evaluation and withdrawn from further consideration for award under this BAA.

IV. APPLICATION AND SUBMISSION INFORMATION

A. Address to Request Application Package

This document, the attached DD form 254 (Contract Security Classification Specification), the Classified Addendum to this BAA, and the Retriever Program Security Classification Guide (both provided under separate cover), contain all the information required to submit a proposal. No additional forms, kits, or other materials are needed. This notice constitutes the total BAA. No additional information is available, nor will a formal Request for Proposal (RFP) or additional solicitation regarding this announcement be issued. Requests for same will be disregarded.

The Classified Addendum contains information on the detailed performance goals for the Retriever program. To obtain a copy of the Classified Addendum and the Retriever program Security Classification Guide, offerors must send a request to the BAA mailbox, DARPA-BAA-09-15@darpa.mil.

The request must include the following information:

Company Name
Classified mailing address
CAGE Code
Facility Security Officer (FSO) name and phone number
Technical POC name and phone number

Note: DARPA will verify the facility clearance (including the ability to safeguard information) and the clearance of the recipient before mailing the classified material. If the required clearances are not available, the addendum/Program Security Classification Guide will NOT be sent!

B. Content and Form of Application Submission

Responding to this announcement requires completion of an online cover sheet for each proposal prior to submission. To do so, the offeror must go to https://www.csc-ballston.com/baa/index.asp?BAAid=09-15 and follow the instructions there. Upon completion of the online cover sheet, a Confirmation Sheet will appear. Each offeror is responsible for ensuring that they include the Confirmation Sheet with their proposal submission. If an offeror intends to submit more than one proposal, a unique UserId and password must be used in creating each cover sheet.

1. Submission Instructions

While the government anticipates that proposals submitted under this BAA will be classified, each offeror must provide an unclassified SOW and Cost Proposal. Offerors may include a classified addendum to their SOW, if necessary.

Proposals may **not** be submitted by fax or e-mail; any so sent will be disregarded.

Offerors are required to submit full proposals by the time and date specified in Section IV.C. in order to be considered for the initial round of selections; however, proposals received after this deadline may be received and evaluated up to one year from date of posting on FedBizOpps.

All proposals must include the following:

- Seven (7) Classified CD-ROMs that include copies of the Retriever Technical proposal (Volume I). Each CD should also contain a stand alone PENTA chart (see Appendix A) which describes this program. The submission shall be in Microsoft Word for IBM-compatible format or Adobe Acrobat pdf format, and clearly labeled with DARPA-BAA-09-15, offeror organization, proposal title (short title recommended). The PENTA chart must be done in Microsoft Power Point. As a reminder, please verify that the technical proposal CD-ROMs are correctly marked with the appropriate classification markings. Any classified SOW addenda should also be included on these disks.
- Seven (7) Unclassified CD-ROMs that contain copies of the Retriever Cost proposal (Volume II). The submission shall be in Microsoft Word for IBM-compatible format or Adobe Acrobat pdf format, and clearly labeled with DARPA-BAA-09-15, offeror organization, proposal title (short title recommended).
- Two (2) paper copies of the full proposal (both Volumes I and II).
- If SCI and/or SAP information is submitted, as described below, seven (7) additional Classified CD ROMs that contain no more than 5 pages of SCI and/or SAP information at a level of TS//SI/TK or lower classification level.

Note: The unclassified portion of this proposal MUST be submitted in the same package as the classified portion of the proposal.

All submissions shall be in accordance with the following guidance (see also Section VI.B.2 below).

Note: Offerors submitting a classified proposal must first receive permission from the Original Classification Authority to use their information in applying to this BAA. An applicable classification guide should be submitted to ensure that the proposal is protected appropriately.

Collateral Classified Data: Use classification and marking guidance provided by previously issued security classification guides, the Information Security Regulation (DoD 5200.1-R), and the National Industrial Security Program Operating Manual (DoD 5220.22-M) when marking and transmitting information previously classified by another original classification authority. Classified information at the Confidential and Secret level may only be mailed via U.S. Postal Service (USPS) Registered Mail or U.S. Postal Service Express Mail (USPS only; not DHL, UPS or FedEx). All classified information will be enclosed in opaque inner and outer covers and double wrapped. The inner

envelope shall be sealed and plainly marked with the assigned classification and addresses of both sender and addressee. The inner envelope shall be addressed to:

Defense Advanced Research Projects Agency (DARPA)
ATTN: DARPA-BAA-09-15 , DARPA, Dr. Brian Leininger
3701 North Fairfax Drive, Suite 730
Arlington, VA 22203-1714

The outer envelope shall be sealed with no identification as to the classification of its contents and addressed to:

Defense Advanced Research Projects Agency (DARPA)
Security & Intelligence Directorate, Attn: CDR
3701 North Fairfax Drive, Suite 255
Arlington, VA 22203-1714

All Top Secret materials should be hand carried via an authorized, two-person courier team to the DARPA Classified Document Registry (CDR).

Retriever proposals may contain classified information up to the level of TS//SI/TK. Instructions for submission of Classified proposals up to TS//SI/TK is provided below. If the offeror wishes to include material classified above the SECRET level, this material must be submitted on a separate set of CDs from the rest of the proposal. Any information not received on CDs will not be utilized in the evaluation of the offeror's proposal.

Sensitive Compartmented Information (SCI) Data: Contact the DARPA Special Security Office at 703-812-1984/1994 for the correct SCI courier address and instructions. All SCI data must be transmitted through your servicing Special Security Officer (SSO). All SCI data must be transmitted through SCI channels only (i.e., approved SCI Facility to SCI facility via secure fax).

Special Access Program (SAP) Information: SAP information must be transmitted via approved methods. Prior to transmitting SAP information, contact the DARPA SAPCO at 703-526-4052 for instructions.

Offerors must have existing and in-place prior to execution of an award, approved capabilities (personnel, workstations and facilities) to perform research and development at the classification level they propose. DARPA will acknowledge receipt of all submissions via email and assign control numbers that should be used in all further correspondence regarding proposals.

2. Proposal Preparation and Format

a. General Information

Technical and cost proposals must be submitted as separate volumes (Technical as Volume I, Cost as Volume II), and must be valid for **120** days. Proposals not meeting the format described in the BAA may not be reviewed.

Format specifications include 12 pitch or larger type, single spaced, single-sided, and 8.5 by 11 inches with 1-inch margins on each page. Each section should begin at the top of a page. All pages shall be numbered. The Government will not consider pages in excess of the page count limitation, as described below. All submissions must be in English. Specific examples of problems, approaches, or goals are preferred to qualitative generalities.

Proposals with fewer than the maximum number of pages will not be penalized. Information incorporated into Volume II, cost proposal, which is not related to cost will not be considered. Offerors are encouraged to submit concise, but descriptive, proposals. Proposal questions should be handled through the Retriever BAA email box at DARPA-BAA-09-15@darpa.mil.

b. Classified Volume I – Technical Proposal

The following are the page count limits for the Retriever technical proposal. The proposal shall not exceed the page limit totals as described in Table 1 and the following description of each proposal section. Page counts include cover, index, charts, figures and tables. Each proposal shall include the following sections and items and adhere to page limits as identified ***in Table 1***. **Each section of the Technical Proposal, Sections A-R, MUST start on a new page.**

Table 1. Summary of Required Proposal Contents

SECTION DESIGNATION	PROPOSAL SECTION	PAGE LIMIT	TOPICS
Section A	**Cover Page**	**1**	**Offeror Identification**
	Table of Contents	**2**	
Section B	**PowerPoint PENTA Summary Chart**	**1**	**One slide summary of Proposal. DARPA PENTA Slide Format**
Section C	**Program Go/No-Go Metrics**	**1**	**Offeror's proposed Go/No-Go metrics. A one-page standalone set of metrics that must include definitions of all acronyms, variables, and abbreviations used in the table.**

SECTION DESIGNATION	PROPOSAL SECTION	PAGE LIMIT	TOPICS
Section D	Innovative Claims for Proposed Research & Comparison with Current Technology	3	Succinct description of the uniqueness of the proposed approach and resulting contributions Describe the state of the art approaches and limitations that relate to each area addressed by the proposal
Section E	Proposal Roadmap	1	Top-Level View of the content and structure of Proposal
Section F	Problem Statement	2	Understanding of Operational Problem Understanding of Key Technical Challenges
Section G	Program Concept	2	System Description and Operation Summary
Section H	Technical Approach	28	Understanding of the Technical Issues, description of your solution, presentation of evidence that the solution is valid, risk assessment and mitigation plan. This includes the SDD and TDAP.
Section I	Statement of Work	5	Addresses all three phases of Program
Section J	Deliverables Description	1	Associated with each phase of the program
Section K	Management Plan	5	Program Organization, WBS, Key Milestones, security, cost control, and other associated program management plan elements
Section L	Schedules and Milestones	4	Schedule, Detailed Task Descriptions, Project Management and Interaction Plan

Table 2. Summary of Required Proposal Contents

SECTION DESIGNATION	PROPOSAL SECTION	PAGE LIMIT	TOPICS
Section M	**Company and Personnel, Qualification, and Commitments**	**7**	**Company qualifications to perform on the Retriever program. Personnel assigned to program, background and experience related to program, percentage of time they will be dedicated to program. Up to 5 pages may be in separate section of the proposal whose classification is at a TS//SI/TK, TS//SAP level, or lower, e.g., SECRET//SI.**
Section N	**Cost Summaries**	**No Page Limit**	**Proposed costs by project task, subtask, and phase. Costs broken down by prime/subcontractor by month and phase**
Section O	**Organizational Conflict of Interest Affirmations and Disclosure**	**No Page Limit**	**Per the instructions in section III.C.2**
Section P	**Intellectual Property**	**No Page Limit**	**Per Section VI.B.3**
Section Q	**Human Use**	**No Page Limit**	**Statement describing plan to use human subjects in the first year of this project.**
Section R	**Participation by a Government Entity**	**No Page Limit**	**Documentation which establishes eligibility to propose to government solicitations.**

Table 3. Summary of Required Proposal Contents

Section A: Cover Page/Confirmation Sheet {1 page}

The confirmation page, as described above in Section IV.B. will contain the following information:

- BAA number;
- Proposal title;
- Technical point of contact including: name, telephone number, electronic mail address, fax (if available) and mailing address;
- Administrative point of contact including: name, telephone number, electronic mail address, fax (if available) and mailing address;
- Summary of the costs of the proposed research, including total base cost, estimates of base cost in each year of the effort, estimates of itemized options in each year of the effort, and cost sharing if relevant;

- Contractor's type of business, selected from among the following categories:
  - WOMEN-OWNED LARGE BUSINESS,
  - OTHER LARGE BUSINESS,
  - SMALL DISADVANTAGED BUSINESS [Identify ethnic group from among the following: Asian-Indian American, Asian-Pacific American, Black American, Hispanic American, Native American, or Other],
  - WOMEN-OWNED SMALL BUSINESS,
  - OTHER SMALL BUSINESS,
  - HBCU,
  - MI,
  - OTHER EDUCATIONAL
  - OTHER NONPROFIT, or
  - FOREIGN CONCERN/ENTITY.

Section A: Table of Contents {2 pages maximum}

The Table of Contents should, at a minimum, provide an index to all primary and secondary headings in the technical proposal.

Section B: Power Point Summary Chart {1 page}

Provide a one slide summary of the proposal in PowerPoint that effectively and succinctly conveys the main objective, key innovations, expected impact, and other unique aspects of the proposal. This chart shall be in the DARPA PENTA format. In addition to being included in the Technical Proposal, the PowerPoint version of the PENTA chart must be delivered as a separate file with the Technical Proposal. A template may be found in Appendix A.

Section C: Program Go/No-Go Metrics {1 page}

Provide a one-page standalone set of metrics that includes definitions of all acronyms, variables, and abbreviations used in the table. This summary should also clearly state the values of the metrics that you will be adopting for each phase of this program. Metrics that should be included, at a minimum, are in the Classified Addendum. The offeror is encouraged to provide as complete a list of Go/No Go metrics as possible.

Section D: Innovative claims for the proposed research and Comparison with Current Technology {3 pages}

These pages are the centerpiece of the proposal and should succinctly describe the unique proposed approach and contributions to the development of the Retriever System. This section may also *briefly* address the following topics:

a. Problem Description – Provide a concise description of the problem areas addressed. Make this specific to your approach.
b. Overall Innovative Technical Approach – What is unique about the specific technical approach being proposed and why will it yield a Retriever system meeting or exceeding the goals set forth in the classified addendum.
c. Expected Impact – Describe the expected impact of your research.

Describe state of the art approaches and the limitations that relate to each area addressed by the proposal. Describe and analyze state of the art results, approaches, and limitations within the context of the problem area addressed by this research. Demonstrating problem understanding requires not just the enumeration of related efforts; rather, related work must be compared and contrasted to the proposed approach.

This section should address the potential contributions of the proposed effort with relevance to the national technology base. Specifically, DARPA's mission is to maintain the technological superiority of the U.S. military and prevent technological surprise from harming our national security by sponsoring revolutionary, high-payoff research that bridges the gap between fundamental discoveries and their military use.

Section E: Proposal Roadmap {1 page}

The roadmap provides a top-level view of the content and structure of the proposal. It contains a synopsis for each of the roadmap areas defined below, which should be elaborated elsewhere. It is important to make the synopses as explicit and informative as possible. The roadmap must also cross-reference the proposal page number(s) where each area is elaborated. The required roadmap areas are:

a. Main goals of the proposed research;
b. Tangible benefits to end users (i.e., benefits of the capabilities afforded if the proposed technology is successful);
c. Critical technical barriers (i.e., technical limitations that have, in the past, prevented achieving the proposed results);
d. Main elements of the proposed technical approach;
e. Basis of confidence (i.e. rationale that builds confidence that the proposed approach will overcome the technical barriers);
f. Nature and description of end results to be delivered to DARPA. In what form will results be developed and delivered to DARPA and the scientific community? Note that DARPA encourages experiments, simulations, specifications, proofs, etc. to be documented and published to promote progress in the field. Offerors should specify both final and intermediate products; and
g. Cost and schedule of the proposed effort.

Section F: Problem Statement {2 pages}

This section should define and delineate the problem to be addressed by the proposed effort. It should define the challenges, on a BAA element by element basis, that pose the greatest technical challenges to the offeror; identify areas where the proposed can make the greatest contribution; and describe the military payoff if the proposed effort succeeds.

Section G: Program Concept {2 pages}

This section should establish the intellectual framework for the proposed effort in four parts:

Section G.1: **Proposed enabling capabilities** – Define the capabilities to be in place at the end of the program. Explain relationships between the RF signal location and identification functions and recommend improvements to the Retriever system concept. This should explicitly address the program goals found in the Classified Addendum.

Section G.2: **Proposed capability development** – Explain how the capabilities defined in Section G.1 may evolve over time, either through a development sequence, performance enhancement, or the phased introduction of new technology. Show how this evolution supports the Retriever program-level goals, and recommend amplifications and improvements to the Retriever program concept.

Section G.3: **Proposed performance metrics** – Define the metrics by which the effort will internally assess progress toward the final set of capabilities. For subsystem development efforts, explain how these metrics relate to the program-level metrics. For each metric, project specific values that will be achieved at the end of each Phase, and the assumptions on performance required of other program elements in order for these projections to be valid.

Section G.4: Transition – This section should explicitly address the offeror's approach to how the Retriever System will be transitioned to the military.

Section H: Technical Approach {28 pages}

Provide a detailed description of the technical approach being proposed for performing the RF signal location and identification functions. It should also address system operation and the operator interface. All three phases of the Retriever program should be discussed in this section. Teams may choose to allocate the pages among the program phases unequally; however, separate sections are required for each phase. This section will elaborate on many of the topics identified in the proposal roadmap and will serve as the primary expression of the offeror's scientific and technical ideas.

For each Go/No-Go metric proposed by the offeror, there should be a general, i.e, non-mathematical, description of the offeror's technical approach to meeting the metric. This should be followed by a detailed technical approach that clearly demonstrates the offeror's understanding of the issues involved with meeting the metric and how the offeror's approach will be successful in doing so. For each metric, the detailed technical approach should demonstrate a clear and quantitative understanding of the sources of error and inherent limitations of the proposed approach.

The technical approach should describe how the offeror will evolve their Retriever prototype system design, balancing military utility, risk, program affordability, and schedule. Based on the Retriever system concept as put forth in their SDD, offerors

should describe their TDAP that outlines an overall risk reduction strategy for the prototype Retriever system culminating in a real-time system demonstration in Phase II within a realistic operational environment.

The technical approach must demonstrate a clear understanding of the impact of the operational requirements which includes conditions such as terrain, weather, tactics, and RF signal density, at a minimum.

Section I: Statement of Work (SOW) {5 pages}

In plain English, clearly define the technical tasks/subtasks to be performed, their durations, and dependencies among them. The SOW is to be an unclassified document. If necessary, offerors may include a classified addendum to the SOW.

For each task/subtask, provide:

- A general description of the objective (for each defined task/activity);
- A detailed description of the approach to be taken to accomplish each defined task/activity);
- Identification of the primary organization responsible for task execution (prime, sub, team member, by name, etc.);
- The exit criteria for each task/activity - a product, event or milestone that defines its completion; and
- Define all deliverables (reporting, data, reports, software, etc.) to be provided to the Government in support of the proposed research tasks/activities.

Note: The SOW should be developed so that each Phase of the program is separately defined. Offerors should format their proposals with Phase I as the Base Effort, and Phase II as an option. Phase III should notionally be discussed in the SOW. Do not include any proprietary information in the SOW.

Section J: Deliverables Description {1 page}

List and provide, by phase, a detailed description for each proposed deliverable, including receiving organization and expected delivery date for each deliverable. Include in this section all proprietary claims to results, prototypes, or systems supporting and/or necessary for the use of the research, results, and/or prototype. If there are no proprietary claims, this should be stated. The offeror must submit a separate list of all technical data or computer software that will be furnished to the Government with other than unlimited rights. See section VI.B.3 below for more information.

Section K: Management Plan {5 pages}

Describe formal teaming agreements that are required to execute this program, a brief synopsis of all key personnel, and a clearly defined organization chart for the program team (prime contractor and subcontractors, if any). Provide an argument that the team size and composition are both necessary and sufficient to meet the program objectives. Provide detailed task descriptions, costs, and interdependencies for each individual effort and/or subcontractor. Information in this section must cover the following areas:

a. Programmatic relationship of team members;

b. Unique capabilities of team members;
c. Task responsibilities of team members;
d. Teaming strategy among the team members;
e. Key personnel along with the amount of effort to be expended by each person during each year;
f. Government role in project, if any; and
g. Work Breakdown Structure (WBS).

Section L: Schedule and Milestones {4 pages}

This section should include:

a. (1 page) Schedule Graphic – Provide a graphic representation of project schedule including details to task level efforts. This should include but not be limited to, a multi-phase development plan, which demonstrates a clear understanding of the proposed research; and a plan for periodic and increasingly robust tests over the project life that will show applicability to the overall program concept. Show all project milestones. Use "x months after contract award" designations for all dates.
b. (2 pages) Detailed Task Descriptions – Provide detailed task descriptions for each discrete work effort and/or subcontractor in schedule graphic.
c. (1 page) Project Management and Interaction Plan – Describe the project management and interaction plans for the proposed work. If the proposal includes subcontractors that are geographically distributed, clearly specify working / meeting models. Items to include in this category include software/code repositories, physical and virtual meeting plans, and online communication systems that may be used.

Section M: Company and Personnel, Qualifications, and Commitments {7 pages maximum}

List key personnel, showing a concise summary of their qualifications, including security clearances, discussion of offeror's previous accomplishments, and work in this or closely related research areas. The list of key individuals should demonstrate the depth of capabilities and commitments that the offeror has to the Retriever Program. Indicate the level of effort in terms of hours to be expended by each person during each contract year and other (current and proposed) major sources of support for them and/or commitments of their efforts. DARPA expects all key personnel associated with a proposal to make substantial time commitment to the proposed activity and the proposal will be evaluated accordingly. It is DARPA's intention to put key personnel clauses into the contracts; therefore, offerors should ONLY propose personnel whom they intend to have perform.

Include a table of key individual time commitments as follows:

Key Individual	Project	Pending/Current	2008	2009	2010
Jane Doe	Retriever	Proposed	ZZZ hours	UUU hours	WWW hours
	Project 1	Current	n/a	n/a	n/a
	Project 2	Pending	100 hours	n/a	n/a
John Deer	Retriever	Proposed			

This section should include the offeror's relevant corporate/team experience to the Retriever program.

The offeror may include, on a separate set of 7 CDs, material up to a TS//SI/TK or TS//SAP classification on relevant corporate/team experience. This material may be no more than 5 total pages. The page count for this material is included in the 7 pages total for this section.

Section N: Cost Summaries {no page limit}

This section shall contain two tables. The first table must summarize the proposed costs, but break them down by project task, subtask, and phase, i.e., show the costs of each project task and subtask for each phase, by month, with the task and subtask labels on the y-axis and the three phases on the x-axis. It may be appropriate to create a subtotal under some closely related tasks. Table entries should contain the dollar figure and a percentage that specifies the percentage of that phase's total costs that are allocated to said task.

The second table should show the costs broken down by prime/subcontractor by month, by phase, i.e., the labels of the prime/subcontractors should be on the y-axis and the three phases on the x-axis. Table entries should contain the dollar figure and a percentage that specifies the percentage of that phase's total costs allocated to said prime or subcontractor. Offerors should format their proposals with Phase I as the Base Effort, Phase II as a priced option and Phase III as a ROM.

Section O: Organizational Conflict of Interest Affirmations and Disclosure {no page limit}

Per the instructions in Section III.C.1 above, all offerors and proposed subcontractors must provide documentation showing whether they (their organizations and individual team members) are providing scientific, engineering, and technical assistance (SETA) or similar support to any DARPA technical office(s) through an active contract or subcontract. All affirmations must state which office(s) the offeror, sub and/or individual supports and identify the prime contract numbers. If the offeror or any proposed sub IS providing SETA support as described (regardless of which DARPA technical office is being supported), then the offeror shall include a description of the action the offeror has taken or proposes to take to avoid, neutralize, or mitigate such conflict. The Government will make the determination of what constitutes a conflict of interest. If the offeror or any proposed sub IS NOT currently providing SETA support as described, then the offeror should simply state "NONE."

Proposals that fail to fully disclose potential conflicts of interests or do not have acceptable plans to mitigate identified conflicts will be rejected without technical evaluation and withdrawn from further consideration for award.

Section P: Intellectual Property {no page limit}

Per section VI.B.3 below, offerors responding to this BAA shall identify any intellectual property restrictions. If no restrictions are intended, then the offeror should state "NONE."

Section Q: Human Use {no page limit}

For all proposed research that will involve human subjects in the first year or phase of the project, the institution must provide evidence of or a plan for review by an Institutional Review Board (IRB) upon final proposal submission to DARPA. For further information on this subject, see Section VI.B.4 below. If human use is not a factor in a proposal, then the offeror should state "NONE."

Section R: Participation by a Government Entity {no page limit}

Per Section III.A above, proposals which include Government entities (i.e. FFRDC's, National laboratories, etc) as either a prime or sub shall provide documentation citing the specific authority which establishes that they are eligible to propose to Government solicitations. If no Government entities are involved, then the offeror should state "NONE."

c. *Unclassified Volume II – Cost Proposal* {no page limits}

Section A: Cover Sheet

- Must include the words "Cost Proposal";
- BAA number;
- Lead Organization submitting proposal;
- Type of business, selected among the following categories: "LARGE BUSINESS", "SMALL DISADVANTAGED BUSINESS", "OTHER SMALL BUSINESS", "HBCU", "MI", "OTHER EDUCATIONAL", or "OTHER NONPROFIT";
- Contractor's reference number (if any);
- Other team members (if applicable) and type of business for each;
- Proposal title;
- Technical point of contact to include: salutation, last name, first name, street address, city, state, zip code, telephone, fax (if available), electronic mail (if available);
- Administrative point of contact to include: salutation, last name, first name, street address, city, state, zip code, telephone, fax (if available), and electronic mail (if available);
- Award instrument requested: to include cost-plus-fixed-free (CPFF), cost-contract - no fee, cost sharing contract - no fee, or other type of procurement contract (*specify*), or other transaction;
- Place(s) and period(s) of performance;

- Total proposed cost separated by basic award and option(s) (if any);
- Name, address, and telephone number of the offeror's cognizant Defense Contract Management Agency (DCMA) administration office (*if known)*;
- Name, address, and telephone number of the offeror's cognizant Defense Contract Audit Agency (DCAA) audit office (*if known*);
- Date proposal was prepared;
- DUNS number;
- TIN number;
- Cage Code;
- Subcontractor Information; and
- Proposal validity period (must be 180 days).

Section B: SOW
This section should be a duplicate of "Section I: SOW" from the technical proposal (see IV.B.2.b.).

Section C: Cost Summaries
This section should be a duplicate of "Section N: Cost Summaries" from the technical proposal.

Section D: Detailed Cost Breakdown

Provide: (1) total program cost broken down by major cost items (direct labor, including labor categories, subcontracts, materials, other direct costs, overhead charges, etc.) and further broken down task and phase; (2) major program tasks by fiscal year; (3) an itemization of major subcontracts and equipment purchases; (4) an itemization of any information technology (IT) purchase[1]; (5) a summary of projected funding requirements by month; (6) the source, nature, and amount of any industry cost-sharing; and (7) identification of pricing assumptions of which may require incorporation into the resulting award instrument (e.g., use of Government Furnished Property/Facilities/Information, access to Government Subject Matter Expert/s, etc.). NOTE: for IT and equipment purchases, include a letter stating why the offeror cannot provide the requested resources from its own funding.

- [1] IT is defined as "any equipment, or interconnected system(s) or subsystem(s) of equipment that is used in the automatic acquisition, storage, manipulation, management, movement, control, display, switching, interchange, transmission, or reception of data or information by the agency. (a) For purposes of this definition, equipment is used by an agency if the equipment is used by the agency directly or is used by a Contractor under a contract with the agency which – (1) Requires the use of such equipment; or (2) Requires the use, to a significant extent, or such equipment in the performance of a service or the furnishing of a product. (b) The term "information technology" includes computers, ancillary, software, firmware and similar procedures, services (including support services), and related resources. (c) The term "information technology" does not include – (1) Any equipment that is acquired by a Contractor incidental to a contract; or (2) Any equipment that contains imbedded information technology that is used as an integral part of the product, but the principal function of which is not the acquisition, storage, manipulation, management, movement, control, display, switching, interchange, transmission, or reception of data or information. For example, HVAC (heating, ventilation, and air conditioning) equipment such as thermostats or temperature control devices, and medical equipment where information technology is integral to its operation, are not information technology."

Provide supporting cost and pricing information in sufficient detail to substantiate the summary cost estimates, above. Include a description of the method used to estimate costs and supporting documentation. Note: "cost or pricing data" (as defined in FAR Subpart 15.4) shall be required if the offeror is seeking a procurement contract award of $650,000 or greater unless the offeror requests an exception from the requirement to submit certified cost or pricing data. "Cost or pricing data" are not required if the offeror proposes an award instrument other than a procurement contract (e.g., an other transaction.)

The prime Contractor is responsible for compiling and providing all subcontractor proposals for the Procuring Contracting Officer (PCO). Subcontractor proposals should include Interdivisional Work Transfer Agreements (ITWA) or similar arrangements. All proprietary subcontractor cost proposal documentation (prepared at the same level of detail as that required of the prime) which cannot be included with the prime's information, shall be made immediately available to the Government, upon request, under separate cover (i.e., mail, electronic/email, etc.), either by the offeror or by the subcontractor organization. See Section VI.B.8 for additional offeror responsibilities involving subcontracted efforts.

All offerors requesting an 845 Other Transaction Authority for Prototypes (OTA) agreement must include a detailed list of payment milestones. Each such payment milestone must include the following: milestone description, exit criteria, due date, milestone payment amount (to include, if cost share is proposed, Contractor and government share amounts). It is noted that, at a minimum, such payable milestones should relate directly to accomplishment of program technical Go/No-Go metrics as defined in the BAA and/or the offeror's proposal. Agreement type, fixed price or expenditure based, will be subject to negotiation by the Agreements Officer; however, it is noted that the Government prefers use of fixed price payable milestones to the maximum extent possible. If the offeror requests award of an 845 OTA agreement as a nontraditional defense Contractor, as so defined in the OSD guide entitled "Other Transactions (OT) Guide For Prototype Projects" dated January 2001 (as amended) (http://www.acq.osd.mil/dpap/Docs/otguide.doc), information must be included in the cost proposal to support the claim. Additionally, if the offeror plans to request an award of an 845 OTA agreement, without the required one-third (1/3) cost share, information must be included in the cost proposal supporting that there is at least one non-traditional defense Contractor participating to a significant extent in the proposed prototype project.

C. Submission Dates and Times

Proposals must be submitted to DARPA, per the instructions found in Section IV.B above, on or before 1200 noon (ET), **29 January 2009** (initial closing date) in order to be considered during the initial round of selections. Proposals may be submitted at any time from issuance of this announcement through 1200 noon (ET) 08 December 2009,

however, **offerors are warned that the likelihood of funding is greatly reduced after the initial closing date of 29 January 2009**.
DARPA will acknowledge receipt of complete submissions via email and assign control numbers that should be used in all further correspondence regarding proposals.

Failure to comply with the submission procedures may result in the submission not being evaluated.

D. Intergovernmental Review – N/A

E. Funding Restrictions – N/A

F. Other Submission Requirements – N/A

V. APPLICATION REVIEW INFORMATION

A. Evaluation Criteria

Evaluation of proposals will be accomplished through a scientific review of each proposal using the following criteria. While these criteria are listed in descending order of relative importance, it should be noted that the combination of all non-cost evaluation factors is significantly more important than cost:

1. Ability to Meet Program Go/No-Go Metrics

The feasibility and likelihood of the proposed approach for satisfying the program Go/No-Go metrics are explicitly described and clearly substantiated. The proposal reflects a mature and quantitative understanding of the performance Go/No-Go metrics, the statistical confidence with which they may be measured, and their relationship to the concept of operations that will result from successful performance in the program.

The key metrics associated with this program are provided in the Classified Addendum. For each Go/No-Go metric, proposed by the offeror there should be a general, i.e, non-mathematical, description of the offeror's technical approach to meeting the metric. This should be followed by a detailed technical approach that clearly demonstrates the offeror's understanding of the issues involved with meeting the metric and how the offeror's approach will be successful in doing so. For example, in meeting RF signal location accuracy metrics, superior proposals will clearly show that the offeror understands the sources of error in signal location and demonstrate why the offeror's approach will enable the resulting Retriever system to meet the proposed signal location accuracy metrics. The general and specific technical approaches to meeting each of the proposed Go/No-Go metrics should be clearly identified within the proposal.

2. Overall Scientific and Technical Merit

The offeror's conceptual design reflects an understanding of the Retriever program objectives and performance goals, as described below and in the Classified Addendum.

- Develop a system that has the ability to detect, locate, and identify RF signals based on guidance provided in the Classified Addendum.
- Demonstrate system processing capability within a laboratory environment during Phase I.
- Demonstrate real-time operation that meets the system goals as described in the Classified Addendum.
- Ability to meet the Retriever goals as described in the Classified Addendum.

The offeror should propose and evolve a Retriever prototype system design that best balances military utility, risk, program affordability, and schedule. Based on the Retriever prototype system design as put forth in their SDD, offerors will develop a TDAP that outlines an overall risk reduction strategy for the Retriever system culminating in prototype real-time system demonstration in Phase II within a realistic operational environment.

3. Technical Approach

The technical approach demonstrates a clear understanding of the impact of the operational requirements, including conditions such as terrain, weather, tactics, and RF signal density, as a minimum.

(i) Technology Development and Assessment Plan (TDAP)

- The TDAP identifies the major technical risks for the offeror's Retriever prototype system design.
- Initial risk assessments and risk reduction plans are reasonable and adequate for meeting the offeror's prototype demonstration schedule.
- The TDAP provides an integrated roadmap for maturing the critical enabling technologies required to achieve Retriever system goals.
- The TDAP identifies quantifiable success metrics for proposed Phase I major risk reduction events.
- The overall completeness of the TDAP will be assessed.

(ii) Systems Design Document (SDD)

- The technical approach for the SDD reflects a clear understanding of the Retriever system concept and goals.
- The system architecture approach is clear and consistent. There are no requirements that are inconsistent with each other.
- The overall software architecture approach is clear and consistent with the Retriever system concept and goals.
- There is an understanding of the Retriever system interfaces.
- The approach for the Human Machine Interface is consistent with the Retriever system concept and goals.

(iii) Phase II and III Program Plans

- The proposed Phase II program plan meets the Phase II, top level objectives with reasonable scope, schedule, technical risk and cost.
- The proposed Phase III plan identifies appropriate follow-on development and test activities to further mature the prototype system.
- Provide a supportable Phase III ROM for implementing the system as described in the Classified Addendum.

4. Potential Contribution and Relevance to the DARPA Mission

The potential contributions of the proposed effort with relevance to the national technology base will be evaluated. Specifically, DARPA's mission is to maintain the technological superiority of the U.S. military and prevent technological surprise from harming our national security by sponsoring revolutionary, high-payoff research that bridges the gap between fundamental discoveries and their military use. Offerors will also be evaluated on the extent of the military utility of the Retriever system concept. This includes the evaluation of the contractor's ability and approach to enabling a successful transition of the Retriever System to the military. Impediments to future transition, including intellectual property restrictions and use limitations on any or all components and sub-components are also included as part of this evaluation.

5. Realism of Proposed Schedule

The offeror's abilities to aggressively pursue performance metrics in the shortest timeframe and to accurately account for that timeframe will be evaluated, as well as the offeror's ability to understand, identify, and mitigate any potential risk in the proposed schedule. The offeror has demonstrated that the proposed schedule and Statement of Work are consistent and the effort can be managed to the proposed schedule and cost.

Statement of Work (SOW) and Integrated Master Schedule (IMS) Considerations:

- The task descriptions and associated technical elements provided are complete and in a logical sequence with all proposed deliverables clearly defined.
- The SOW details activities to the WBS, and is traceable to the IMS tasks and the Cost Proposal detailed estimates.
- The SOW incorporates all of the activities described in the Phase I portion of the TDAP.
- The proposed schedule is complete and achievable.
- Phase I IMS is detailed to the WBS, captures all the SOW tasks, shows the dependencies among the tasks, and correctly displays the critical path.

6. Offeror's Capabilities and Related Experience

The professional capabilities and relevant experience of key personnel, including: the Program Manager, Chief Engineer and other proposed technology area leads, will be evaluated. Offerors will also be evaluated on:

- Key personnel have sufficient time committed to the program for their described program roles;
- The proposed team has previous experience on prototype demonstration programs with a similar level of complexity to Retriever;
- The proposed team has the ability to accomplish all phases of the Retriever program;
- The proposed management construct provides adequate opportunities for addressing technical, schedule and cost issues with the Government team;
- The offeror's proposed intellectual property and data rights are consistent with the Government's need to be able to communicate program information across Government organizations and to support transition of the program to the users at a reasonable cost.

7. Cost Realism

The objective of this criterion is to establish that the proposed costs are realistic for the technical and management approach offered, as well as to determine the offeror's practical understanding of the effort. This will be principally measured by cost per labor-hour and number of labor-hours proposed. The evaluation criterion recognize that undue emphasis on cost may motivate offerors to offer low-risk ideas with minimum uncertainty and to staff the effort with junior personnel in order to be in a more competitive posture. DARPA discourages such cost strategies. Cost reduction approaches that will be received favorably include innovative management concepts that maximize direct funding for technology and limit diversion of funds into overhead.

NOTE: OFFERORS ARE CAUTIONED THAT EVALUATION RATINGS MAY BE LOWERED AND/OR PROPOSALS REJECTED IF SUBMITTAL INSTRUCTIONS ARE NOT FOLLOWED.

B. Review and Selection Process

It is the policy of DARPA to ensure impartial, equitable, comprehensive proposal evaluations and to select the source (or sources) whose offer meets the Government's technical, policy, and programmatic goals. Pursuant to FAR 35.016, the primary basis for selecting proposals for acceptance shall be technical, importance to agency programs, and fund availability. In order to provide the desired evaluation, qualified Government personnel will conduct reviews and (if necessary) convene panels of experts in the appropriate areas.

Proposals will not be evaluated against each other, since they are not submitted in accordance with a common work statement. DARPA's intent is to review proposals as soon as possible after they arrive; however, proposals may be reviewed periodically for administrative reasons. For evaluation purposes, a proposal is the document described above in IV.B – Content and Form of Application Submission.

Award(s) will be made to offerors whose proposals are determined to be the most advantageous to the Government, all factors considered, including the potential

contributions of the proposed work to the overall research program and the availability of funding for the effort. Award(s) may be made to any offeror(s) whose proposal(s) is determined selectable regardless of its overall rating.

Restrictive notices notwithstanding, proposals may be handled for administrative purposes by support contractors. These support contractors are prohibited from competition in DARPA technical research and are bound by appropriate non-disclosure requirements. Subject to the restrictions set forth in FAR 37.203(d), input on technical aspects of the proposals may be solicited by DARPA from non-Government consultants /experts who are strictly bound by the appropriate non-disclosure requirements.

It is the policy of DARPA to treat all proposals as competitive information and to disclose their contents only for the purpose of evaluation. No proposals will be returned. Upon completion of the evaluation process, one original copy of each proposal received will be retained at DARPA, and all other copies will be destroyed.

VI. AWARD ADMINISTRATION INFORMATION

A. Award Notices

As soon as the evaluation of a proposal is complete, the offeror will be notified that 1) the proposal has been selected for funding pending contract negotiations, or, 2) the proposal has not been selected. These official notifications will be sent via US mail to the Technical POC identified on the proposal coversheet.

B. Administrative and National Policy Requirements

1. Meeting and Travel Requirements

There will be a program kickoff meeting that all key participants are required to attend. Performers should also anticipate periodic site visits at the program manager's discretion. IPR Meetings are to be held quarterly. The IPR locations will be specified by the Program Manager. In general, the IPR location will be at the performer's facility or in Arlington, Virginia.

2. Security Classification and Proprietary Issues

The Retriever program has a Security Classification Guide, DARPA-CG-563. Offerors will be required to follow this guide in preparing their proposals and during the course of their contracted efforts for Retriever should they receive an award. See Section IV.A for instructions on requesting the Retriever Program Security Classification Guide.

NOTE: To submit a classified proposal you must first receive permission from the Original Classification Authority, from any agency other than DARPA, in order to use the information in replying to this announcement. Proposals must indicate the classification level of not only the proposal itself, but also the anticipated award

document classification level. Applicable classification guide(s) should also be submitted to ensure the proposal is protected at the appropriate classification level.

Classified submissions shall be appropriately and conspicuously marked with the appropriate classification level and declassification date, per the Retriever SCG.

All proposals containing proprietary data should have the cover page and each page containing proprietary data clearly marked as containing proprietary data. It is the offeror's responsibility to clearly define to the Government what is considered proprietary data. Offerors should apply the restrictive notice prescribed in the provision at FAR 52.215-12, Restriction on Disclosure and Use of Data, to trade secrets or privileged commercial and financial information contained in their proposals.

3. Intellectual Property

All software/firmware, software/firmware documentation, source code, and technical data developed under Retriever will be provided to the government with a minimum of Government Purpose Rights. To the greatest extent feasible, therefore, offerors should not include background proprietary software and data as the basis of their proposed approach. Offerors expecting to utilize, but not to deliver, open source tools or other materials in implementing their approach must ensure that the government does not incur any legal obligation due to such utilization. All references to "unlimited" or "government purpose rights" are intended to refer to the definitions of those terms as set forth in the Defense Federal Acquisition Regulation Supplement (DFARS) Part 227.

a. Procurement Contract Offerors

i. Noncommercial Items (Technical Data and Computer Software)

Offerors responding to this BAA requesting a procurement contract to be issued under the FAR/DFARS shall identify all noncommercial technical data and noncommercial computer software that it plans to generate, develop, and/or deliver under any proposed award instrument in which the Government will acquire less than unlimited rights, and to assert specific restrictions on those deliverables. Offerors shall follow the format under DFARS 252.227-7017 for this stated purpose. In the event that offerors do not submit the list, the Government will assume that it automatically has "unlimited rights" to all noncommercial technical data and noncommercial computer software generated, developed, and/or delivered under any award instrument, unless it is substantiated that development of the noncommercial technical data and noncommercial computer software occurred with mixed funding. If mixed funding is anticipated in the development of noncommercial technical data and noncommercial computer software generated, developed, and/or delivered under any award instrument, then offerors should identify the data and software in question, as subject to Government Purpose Rights (GPR). In accordance with DFARS 252.227-7013 Rights in Technical Data - Noncommercial Items, and DFARS 252.227-7014 Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation, the Government will automatically assume that any such GPR restriction is limited to a period of five (5)

years in accordance with the applicable DFARS clauses, at which time the Government will acquire "unlimited rights" unless the parties agree otherwise. Offerors are admonished that the Government will use the list during the source selection evaluation process to evaluate the impact of any identified restrictions and may request additional information from the offeror, as may be necessary, to evaluate the offeror's assertions. If no restrictions are intended, then the offeror should state "NONE."

A sample list for complying with this request is as follows:

NONCOMMERCIAL			
Technical Data Computer Software To be Furnished With Restrictions	Basis for Assertion	Asserted Rights Category	Name of Person Asserting Restrictions
(LIST)	(LIST)	(LIST)	(LIST)

ii. Commercial Items (Technical Data and Computer Software)

Offerors responding to this BAA requesting a procurement contract to be issued under the FAR/DFARS shall identify all commercial technical data and commercial computer software that may be embedded in any noncommercial deliverables contemplated under the research effort, along with any applicable restrictions on the Government's use of such commercial technical data and/or commercial computer software. In the event that offerors do not submit the list, the Government will assume that there are no restrictions on the Government's use of such commercial items. The Government may use the list during the source selection evaluation process to evaluate the impact of any identified restrictions and may request additional information from the offeror, as may be necessary, to evaluate the offeror's assertions. If no restrictions are intended, then the offeror should state "NONE."

A sample list for complying with this request is as follows:

COMMERCIAL			
Technical Data Computer Software To be Furnished With Restrictions	Basis for Assertion	Asserted Rights Category	Name of Person Asserting Restrictions
(LIST)	(LIST)	(LIST)	(LIST)

b. Non-Procurement Contract Offerors – Noncommercial and Commercial Items (Technical Data and Computer Software)

Offerors responding to this BAA requesting an Other Transaction agreement shall follow the applicable rules and regulations governing these various award instruments, but in all cases should appropriately identify any potential restrictions on the Government's use of any Intellectual Property contemplated under those award instruments in question. This includes both Noncommercial Items and Commercial Items. Although

not required, offerors may use a format similar to that described above. The Government may use the list during the source selection evaluation process to evaluate the impact of any identified restrictions, and may request additional information from the offeror, as may be necessary, to evaluate the offeror's assertions. If no restrictions are intended, then the offeror should state "NONE."

c. All Offerors – Patents

Include documentation proving your ownership of or possession of appropriate licensing rights to all patented inventions (or inventions for which a patent application has been filed) that will be utilized under your proposal for the DARPA program. If a patent application has been filed for an invention that your proposal utilizes, but the application has not yet been made publicly available and contains proprietary information, you may provide only the patent number, inventor name(s), assignee names (if any), filing date, filing date of any related provisional application, and a summary of the patent title, together with either: 1) a representation that you own the invention, or 2) proof of possession of appropriate licensing rights in the invention.

d. All Offerors – Intellectual Property Representations

Provide a good faith representation that you either own or possess appropriate licensing rights to all other intellectual property that will be utilized under your proposal for the DARPA program. Additionally, offerors shall provide a short summary for each item asserted with less than unlimited rights that describes the nature of the restriction and the intended use of the intellectual property in the conduct of the proposed research.

4. Human Use

All research involving human subjects, to include use of human biological specimens and human data, selected for funding must comply with the federal regulations for human subject protection. Further, research involving human subjects that is conducted or supported by the DoD must comply with 32 CFR 219, *Protection of Human Subjects* (http://www.dtic.mil/biosys/downloads/32cfr219.pdf), and DoD Directive 3216.02, *Protection of Human Subjects and Adherence to Ethical Standards in DoD-Supported Research* (http://www.dtic.mil/whs/directives/corres/html2/d32162x.htm).

Institutions awarded funding for research involving human subjects must provide documentation of a current Assurance of Compliance with Federal regulations for human subject protection, for example a Department of Health and Human Services, Office of Human Research Protection Federal Wide Assurance (http://www.hhs.gov/ohrp). All institutions engaged in human subject research, to include subcontractors, must also have a valid Assurance. In addition, personnel involved in human subjects research must provide documentation of completing appropriate training for the protection of human subjects.

For all proposed research that will involve human subjects in the first year or phase of the project, the institution must provide evidence of or a plan for review by an Institutional Review Board (IRB) upon final proposal submission to DARPA. The IRB conducting the review must be the IRB identified on the institution's Assurance. The

protocol, separate from the proposal, must include a detailed description of the research plan, study population, risks and benefits of study participation, recruitment and consent process, data collection, and data analysis. Consult the designated IRB for guidance on writing the protocol. The informed consent document must comply with federal regulations (32 CFR 219.116). A valid Assurance, along with evidence of appropriate training for all investigators, should accompany the protocol for review by the IRB.

In addition to a local IRB approval, a headquarters-level human subjects regulatory review and approval is required for all research conducted or supported by the DoD. The Army, Navy, or Air Force office responsible for managing the award can provide guidance and information about their component's headquarters-level review process. Note that confirmation of a current Assurance and appropriate human subjects protection training is required before headquarters-level approval can be issued.

The amount of time required to complete the IRB review/approval process may vary depending on the complexity of the research and/or the level of risk to study participants. Ample time should be allotted to complete the approval process. The IRB approval process can last for one to three months, followed by a DoD review that can last for three to six months. No DoD/DARPA funding can be used toward human subjects research until ALL approvals are granted.

5. Animal Use

Any Recipient performing research, experimentation, or testing involving the use of animals shall comply with the rules on animal acquisition, transport, care, handling, and use in: (i) 9 CFR parts 1-4, Department of Agriculture rules that implement the Laboratory Animal Welfare Act of 1966, as amended, (7 U.S.C. 2131-2159); (ii) the guidelines described in National Institutes of Health Publication No. 86-23, "Guide for the Care and Use of Laboratory Animals"; (iii) DoD Directive 3216.01, "Use of Laboratory Animals in DoD Program."

For submissions containing animal use, proposals should briefly describe plans for Institutional Animal Care and Use Committee (IACUC) review and approval. Animal studies in the program will be expected to comply with the PHS Policy on Humane Care and Use of Laboratory Animals, available at http://grants.nih.gov/grants/olaw/olaw.htm.

All Recipients must receive approval by a DoD certified veterinarian, in addition to an IACUC approval. No animal studies may be conducted using DoD/DARPA funding until the USAMRMC Animal Care and Use Review Office (ACURO) or other appropriate DoD veterinary office(s) grant approval. As a part of this secondary review process, the Recipient will be required to complete and submit an ACURO Animal Use Appendix, which may be found at https://mrmc.amedd.army.mil/AnimalAppendix.asp

6. Publication Approval

It is the policy of the Department of Defense for products of fundamental research to remain unrestricted to the maximum extent possible. Contracted fundamental research is defined as "research performed under grants and contracts that are (a) Basic

Research, whether performed by universities or industry or (b) applied research and performed on-campus at a university. The research shall not be considered fundamental in those rare and exception circumstances where the applied research effort presents a high likelihood of disclosing performance characteristics of military systems or manufacturing technologies that are unique and critical to defense, and where agreement on restrictions have been recorded in the contract or grant."

Offerors are advised that grants and cooperative agreements are unavailable under this BAA. It is anticipated that the performance of research resulting from this BAA is not expected to be fundamental research. Therefore, the following provision will be incorporated into any procurement contract or other transaction:

> There shall be no dissemination or publication, except within and between the Contractor and any subcontractors, of information developed under this contract or contained in the reports to be furnished pursuant to this contract without prior written approval of the DARPA Technical Information Officer (DARPA/TIO). All technical reports will be given proper review by appropriate authority to determine which Distribution Statement is to be applied prior to the initial distribution of these reports by the Contractor. Papers resulting from unclassified contracted fundamental research are exempt from prepublication controls and this review requirement, pursuant to DoD Instruction 5230.27 dated October 6, 1987.
>
> When submitting material for written approval for open publication, the Contractor/Awardee must submit a request for public release to the DARPA TIO and include the following information: 1) Document Information: document title, document author, short plain-language description of technology discussed in the material (approx. 30 words), number of pages (or minutes of video) and document type (briefing, report, abstract, article, or paper); 2) Event Information: event type (conference, principle investigator meeting, article or paper), event date, desired date for DARPA's approval; 3) DARPA Sponsor: DARPA Program Manager, DARPA office, and contract number; and 4) Contractor/Awardee's Information: POC name, e-mail and phone. Allow four weeks for processing; due dates under four weeks require a justification. Unusual electronic file formats may require additional processing time. Requests can be sent either via e-mail to tio@darpa.mil or via 3701 North Fairfax Drive, Arlington VA 22203-1714, telephone (571) 218-4235. Refer to www.darpa.mil/tio for information about DARPA's public release process.

7. Export Control

Contracts will be negotiated containing terms addressing the following substantive conditions:

- The Contractor shall comply with all U. S. export control laws and regulations, including the International Traffic in Arms Regulations (ITAR), 22 CFR Parts 120 through 130, and the Export Administration Regulations (EAR), 15 CFR Parts 730

through 799, in the performance of the contract or agreement. In the absence of available license exemptions/exceptions, the Contractor shall be responsible for obtaining the appropriate licenses or other approvals, if required, for exports (including deemed exports) of hardware, technical data, and software, or for the provision of technical assistance.

- The Contractor shall be responsible for obtaining export licenses, if required, before utilizing foreign persons in the performance of this contract, including instances where the work is to be performed on-site at any Government installation (whether in or outside the United States), where the foreign person will have access to export-controlled technologies, including data or software.
- The Contractor shall be responsible for all regulatory record keeping requirements associated with the use of licenses and license exemptions/exceptions.
- The Contractor shall be responsible for ensuring that the provisions of this clause apply to its subcontractors**.**

8. Subcontracting

Pursuant to Section 8(d) of the Small Business Act (15 U.S.C. 637(d)), it is the policy of the Government to enable small business and small disadvantaged business concerns to be considered fairly as subcontractors to Contractors performing work or rendering services as prime contractors or subcontractors under Government contracts, and to assure that prime contractors and subcontractors carry out this policy. In accordance with FAR 19.702 offerors who submits a contract proposal which includes subcontractors is required to submit a subcontracting plan. The plan format is outlined in FAR 19.704 and should be submitted with their proposal.

9. Central Contractor Registration (CCR)

Offerors selected, but not already registered in the Central Contractor Registry (CCR) will be required to register in CCR prior to any award under this BAA. Information on CCR registration is available at http://www.ccr.gov.

10. On-line Representations and Certifications (ORCA)

In accordance with FAR 4.1201, prospective offerors shall complete electronic annual representations and certifications at http://orca.bpn.gov.

11. Wide Area Work Flow (WAWF)

Unless using another approved electronic invoicing system, performers will be required to submit invoices for payment directly via the Internet/WAWF at http://wawf.eb.mil. Registration to WAWF will be required prior to any award under this BAA.

C. Reporting Requirements

1. T-FIMS

The award document for each proposal selected and funded may contain a mandatory requirement for four DARPA/IPTO Quarterly Status Reports each year, one of which will be an annual project summary (a final report that summarizes the project and tasks, notwithstanding the fact that the research may be continued under a follow-on vehicle).

These reports may be electronically submitted by each awardee under this BAA via the DARPA Technical – Financial Information Management System (T-FIMS). The T-FIMS URL and instructions will be furnished by the contracting agent upon award. In addition, each performing performer (including subs) on each team will be expected to provide monthly status reports to the Program Manager. Reports and briefing material will also be required as appropriate to document progress in accomplishing program metrics. There may also be additional reporting requirements for Other Transactions.

2. I-Edison

All required reporting shall be accomplished, as applicable, using the i-Edison.gov reporting website at http://s-edison.info.nih.gov/iEdison

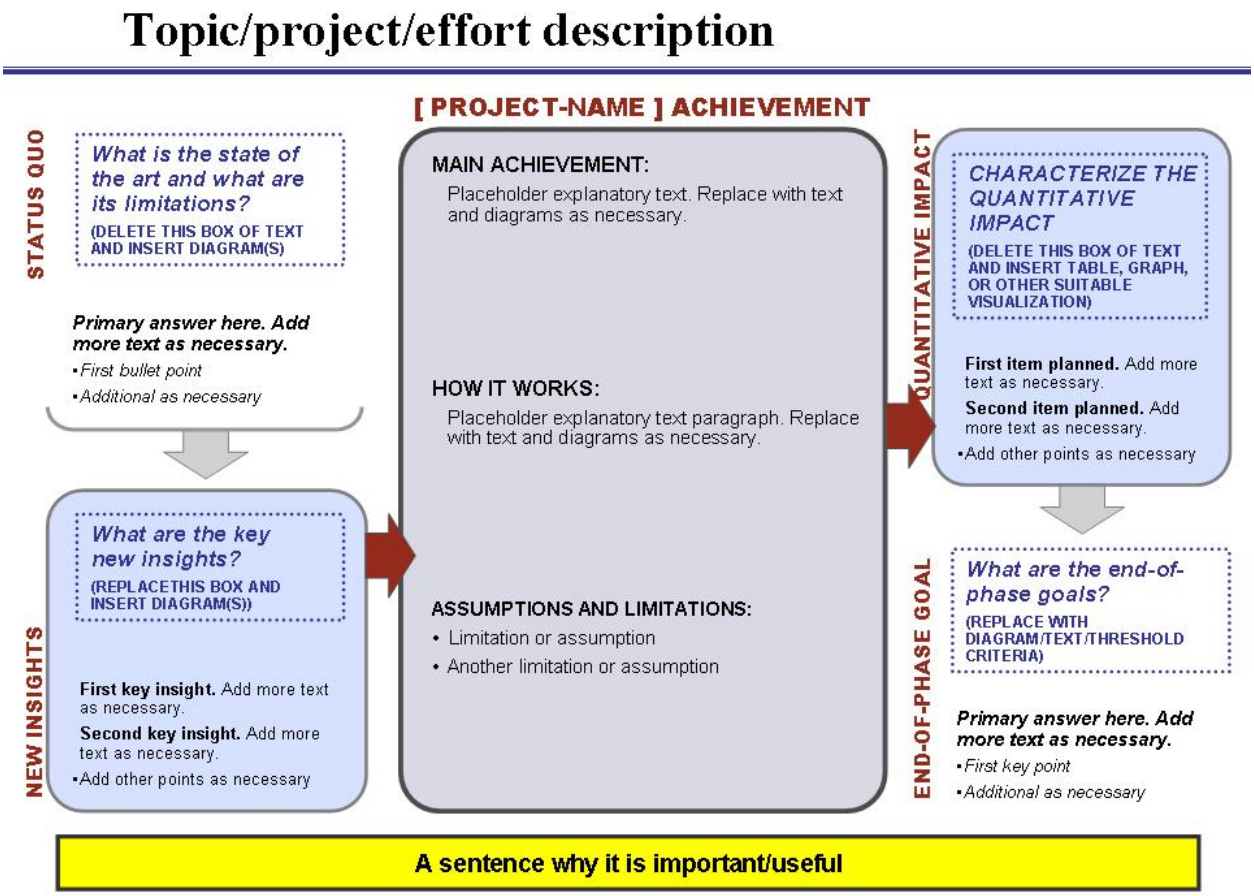
VII. AGENCY CONTACTS

DARPA intends to use electronic mail and fax for correspondence regarding DARPA-BAA-09-15. All administrative correspondence and questions on this solicitation, including technical and contractual questions and/or requests for information on how to submit a proposal, should be directed to DARPA-BAA-09-15@darpa.mil unless they are classified. If e-mail is not available, fax questions to (703) 248-8051, Attention: DARPA-BAA-09-15. **NOTE: Classified questions must be transmitted to the Classified Document Registry (CDR) via secure fax and an unclassified message must be sent to the FAQ stating that a classified question has been submitted via the CDR. The phone number for the DARPA CDR is (571) 218-4842.** All requests must include the name, email address, and phone number of a point of contact.

VIII. OTHER INFORMATION

The solicitation web page at www.darpa.mil/ipto/solicit/solicit.asp will have a Frequently Asked Questions (FAQ) list. A numbered list of questions will be maintained on the FAQ page of the solicitation website. If a question and its answer are unclassified, the answer will be posted on the FAQ page. If a question is unclassified, but the answer is classified, the question will be posted on the FAQ page with a note that a classified answer to Question X is on file at DARPA. If a question is classified, a note will be posted on the FAQ page that a classified question has been received and that Question X and Answer X are on file at DARPA. Classified Q&A will be referenced by the same question number that exists on the FAQ page. Classified Q&A can then be transmitted (via secure fax) to offerors by request, or offerors can make arrangements to visit DARPA and view the current list of questions and answers, which will be kept on file at the CDR. DARPA will stop taking classified questions 10 days before the initial BAA closing date.

APPENDIX A - PENTA CHART FORMAT



APPENDIX B – Acronym List

ACURO	Animal Care and Use Review Office
BAA	Broad Area Announcement
C&A	Certification and Accreditation
CCR	Central Contractor Registry
CD	Compact Disk
CDR	Classified Document Registry
CFDA	Catalog of Federal Domestic Assistance Numbers
CG	Classification Guide
CPI	Cost Performance Index
DARPA	Defense Advanced Research Projects Agency
DFARS	Defense Federal Acquisition Regulation Supplement
DoD	Department of Defense
DUNS	Data Universal Numbering System
ET	Eastern Time
EVMS	Earned Value Management System
FAR	Federal Acquisition Regulations
FCL	Federal Clearance Level
FFRDC	Federally Funded Research and Development Centers
FOCI	Foreign Ownership Control and Influence
FSO	Facility Security Officer
GPR	Government Purpose Rights
HBCU	Historically Black Colleges and Universities
IACUC	Institutional Animal Care and Use Committee
IMS	Integrated Master Schedule
IRB	Institutional Review Board
IPR	Interim Program Review
IPTO	Information Processing Techniques Office
IT	Information Technology
ITAR	International Traffic in Armaments Regulations
ITWA	Interdivisional Work Transfer Agreements
KPP	Key Performance Parameters
MI	Minority Institutions
N/A	Not Applicable
ORCA	On-line Representations and Certifications
OT	Other Transactions
OTA	Other Transaction Authority
PCL	Personnel Clearance Level
PCO	Procuring Contract Office
PHS	Public Health Service
POC	Point of Contact
RF	Radio Frequency
ROM	Rough Order of Magnitude
SAP	Special Access Program
SCI	Sensitive Compartmented Information

APPENDIX B – Acronym List) (cont)

SCR	System Concept Review
SDD	System Design Document
SETA	Scientific, Engineering Technical Assistance
SOW	Statement of Work
SPI	Schedule Performance Index
TDAP	Technology Development and Assessment Plan
T-FIMS	Technical-Financial Information Management System
TIO	Technical Information Office
TIN	Taxpayer Identification Number
TS	Top Secret
WAWF	Wide Area Work Flow
WBS	Work Breakdown Structure