

ADMINISTRATIVE NOTE:
NEW REQUIREMENTS/PROCEDURES

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BAA 05-30 PROPOSER INFORMATION PAMPHLET

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The Defense Advanced Research Projects Agency (DARPA) often selects its research efforts through the Broad Agency Announcement (BAA) process. The BAA will be posted directly to FedBizOpps.gov, the single government point-of-entry (GPE) for Federal government procurement opportunities over \$25,000. The following information is for those wishing to respond to the Broad Agency Announcement.

BOSS , SOL BAA 05-30, Proposals Due: Initial Closing: 19 May 2005 Final Closing: 6 April 2006, POC: Dr. Jonathan M. Smith, DARPA/IPTO; FAX: (703) 741-7804

1. PROGRAM OBJECTIVES AND DESCRIPTION.

The DARPA Information Processing Technology Office (IPTO) is soliciting proposals to perform research, design, development and integration to support the Brood Of Spectrum Supremacy (BOSS) Program. The BOSS Program is intended to apply collaborative processing capabilities for software-defined radios to specific military applications. DARPA will hold an Industry Day for qualified proposers on April 12, 2005, at 8:00 AM (ET). Details and registration information can be found at <https://www.schafertmd.com/boss/>

1.1 BROOD OF SPECTRUM SUPREMACY (BOSS)

Cooperative use of computational and software-defined radio capabilities, in aggregate, offer the potential for breakthrough capabilities in warfighter situational awareness. Therefore, by using software-defined radios, the goal of the BOSS program is to provide a radio frequency (RF) spectrum analogue to night vision capabilities for the tactical warfighter, with a particular focus on RF-rich urban operations.

1.1.1 BOSS TECHNICAL AREAS. The capabilities of interest to DARPA are:

- a. Mobile Distributed Receivers for military applications, *e.g.*, local-area radars, local-area bistatic radars and geolocation.
- b. Cooperative close-in detection, location and characterization of RF emitters in an urban environment.
- c. Network understanding, based on cooperative observation and analysis of adversary communications by multiple distributed nodes.

While these capabilities are of interest, other imaginative proposals for mobile software radios operating as an aggregate are strongly encouraged in this initial solicitation.

1.1.2 BOSS CHALLENGES:

- a. Developing a theoretical analysis of the tradespace for the proposed capability in the face of varying numbers of moving elements of varying capabilities (e.g., RF and processing) at varying distances and locations.
- b. Working within the software-defined radio tradespace to refine the capabilities of Software Communications Architecture (SCA) compliant platforms.
- c. Validating algorithms and implementations for network understanding tasks that could, for example, identify likely commanders and command posts.

1.1.3 BOSS PROGRAMMATICS AND SCHEDULING. Proposals should be for a base period of 12 months (Phase I). Proposers are encouraged to provide for optional tasks to pursue efforts in Phase II (18 months), Phase III (18 months) and Phase IV (12 months). Funding beyond Phase I will be subject to satisfactory progress of BOSS research toward achieving goal metrics described below, and DARPA priorities.

BOSS Phase I activities will be focused on modeling and simulation, resulting in hardware independent executable specifications of waveforms in a MATLAB format. These waveform specifications will be evaluated as a basis for the BOSS program entering Phase II. Phase II is focused on implementing a prototype demonstration capability for an RF platform chosen by the proposer, with the implementation accompanied by hardware independent executable specifications of the waveforms. The demonstrated capability will serve as the basis for the BOSS program entering Phase III. Phase III will focus on SCA compliant waveforms suitable for implementation on a tactical software radio system. Based on performance of the capability, one or more of the capabilities will be integrated and transitioned as a set in Phase IV.

To support the evaluation of program metrics, offerors must explicitly state in their proposals a plan for providing deliverables including, but not limited to, documentation for building and installation, user manuals, and support for evaluation by the Independent Test and Evaluation (ITE) Team.

1.1.4 BOSS INTEGRATION. The BOSS Program will have one or more systems integrators whose tasks will focus on software portability, maintenance, validation and partnering in merging of the software capabilities onto a common platform (if the earlier phases of the effort are successful). Since technical performer software deliverables will be covered by the BOSS Program security classification guide, the system integrator must possess facilities appropriate for storage of documents and software at the Top Secret level.

1.2 BOSS SECURITY CONSIDERATIONS

The BOSS program will require access up to U.S. TOP SECRET information. A program Security Classification Guide (SCG) for this program is available on request and required for guidance on proposal preparation. Performers must have required U.S. personnel clearances, cleared facilities, storage, and processing capabilities to bid on this solicitation. Please see administrative contact information in this PIP for details on receiving the SCG.

Performers should include a plan for secure communications between team members and the government to include secure voice and data as necessary. Plans should detail what equipment will be requisitioned or purchased, the timeframes for obtaining and setting up secure communications networks and contingency plans. Proposals containing classified information from another sponsor must seek prior approval from the sponsor before including the information. Instructions for sending classified material to DARPA are included in this PIP. Additionally, innovative proposals dealing with non-collateral classification levels will be considered on a case by case basis. Offerors desiring to submit proposals that are classified at non-collateral levels should contact the BOSS Government Security Officer listed below.

1.3 BOSS ELIGIBILITY

This BAA solicits proposals from all interested and qualified sources. All participants and/or individuals must meet security clearance requirements as determined in the program Security Classification Guide (SCG) for the BOSS Program and comply with any necessary non-disclosure agreements, security regulations, export laws, and other governing statutes that would be applicable under the circumstances. Finally, the SCG for the BOSS Program is authoritative on all security requirements and guidance. In the event of discrepancies between information presented in this announcement and the BOSS SCG, the BOSS SCG takes precedence.

1.4 BOSS PUBLIC RELEASE

Any public release of information will be governed by the DD Form 254 invoked by an award, the requirements of which will be levied upon all sub-contractors or consultants.

1.5 BOSS GOAL METRICS

The metrics for the BOSS Program will be discussed at the BOSS Proposer Day.

1.6 INDEPENDENT TEST AND EVALUATION (ITE)

The independent test and evaluator will be responsible for assessing progress toward the BOSS goal metrics for each phase of the program. This is not a solicitation for proposals to perform independent test and evaluation tasks.

2. PROGRAM SCOPE

Proposed research should investigate innovative approaches and techniques that lead to, or enable, revolutionary advances in the state-of-the-art. Proposals are not limited to the specific strategies listed above, and alternative visions will be considered. However, proposals should be for research that substantially contributes towards the goals stated. Research that primarily results in minor evolutionary improvement to the existing state of practice is specifically excluded.

3. GENERAL INFORMATION

Proposals not meeting the format described in this pamphlet may not be reviewed. Proposals **MUST NOT** be submitted by fax or e-mail; and all faxed or emailed proposals will be disregarded. This notice, in conjunction with the BAA 05-30 FBO Announcement and all references, constitutes the total BAA. A Frequently Asked Questions (FAQ) list may be

provided. The URL for the FAQ will be specified on the DARPA/IPTO BAA Solicitation page. No additional information is available, nor will a formal Request for Proposal (RFP) or other solicitation regarding this announcement be issued. Requests for same will be disregarded. All responsible sources capable of satisfying the Government's needs may submit a proposal that shall be considered by DARPA. Small Disadvantaged Businesses, Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) are encouraged to submit proposals and join others in submitting proposals. However, no portion of this BAA will be set aside for Small Disadvantaged Businesses, HBCU and MI participation due to the impracticality of reserving discrete or severable areas of this research for exclusive competition among these entities.

Proposals selected for funding are required to comply with provisions of the Common Rule (32 CFR 219) on the protection of human subjects in research (<http://www.dtic.mil/biosys/downloads/32cfr219.pdf>) and the Department of Defense Directive 3216.2 (<http://www.dtic.mil/whs/directives/corres/html2/d32162x.htm>). All proposals that involve the use of human subjects are required to include documentation of their ability to follow Federal guidelines for the protection of human subjects. This includes, but is not limited to, protocol approval mechanisms, approved Institutional Review Boards, and Federal Wide Assurances. These requirements are based on expected human use issues sometime during the entire length of the proposed effort.

For proposals involving “greater than minimal risk” to human subjects within the first year of the project, performers must provide evidence of protocol submission to a federally approved IRB *at the time of final proposal submission to DARPA*. For proposals that are forecasted to involve “greater than minimal risk” after the first year, a discussion on how and when the proposer will comply with submission to a federally approved IRB needs to be provided in the submission. More information on applicable federal regulations can be found at the Department of Health and Human Services – Office of Human Research Protections website (<http://www.dhhs.gov/ohrp/>).

Security classification guidance on a DD Form 254 (DoD Contract Security Classification Specification) will not be provided at this time since DARPA is soliciting ideas only. After reviewing incoming proposals, if a determination is made that contract award may result in access to classified information, a DD Form 254 will be issued upon contract award. **If you choose to submit a classified proposal you must first receive the permission of the Original Classification Authority to use their information in replying to this BAA.**

4. SUBMISSION PROCESS

This Broad Agency Announcement (BAA) requires completion of a **BAA Cover Sheet** for each Proposal prior to submission. This cover sheet can be accessed at the following URL:

<http://www.dyncorp-is.com/BAA/index.asp?BAAid=05-30>

After finalizing the **BAA Cover Sheet**, the proposer must **print the BAA Confirmation Sheet** that will automatically appear on the web page. Each proposer is responsible to ensure the Confirmation Sheet is the first page of the Proposal, as well as all copies of the proposal. If a proposer intends on submitting more than one Proposal, a unique UserId and password must be used in creating a unique BAA Cover Sheet for each separate proposal. Failure to comply with these submission procedures may result in the submission not being evaluated.

Proposers must submit an original and **4** copies of the full proposal *and 2* electronic copies (i.e., **2** separate disks) of the full proposal (in PDF or Microsoft Word 2000 for IBM-compatible format on a 3.5-inch floppy disk or CD). **Mac-formatted disks will not be accepted.** Each disk must be clearly labeled with BAA 05-30, proposer organization, proposal title (short title recommended) and “Copy <n>__ of **2**”. The full proposal (original and designated number of hard and electronic copies) must be submitted in time to reach DARPA by 12:00 PM (ET) **19 May, 2005**, in order to be considered during the initial evaluation phase. However, **BAA 05-30, BOSS** will remain open until 12:00 NOON (ET) **6 April 2006**. Thus, proposals may be submitted at any time from issuance of this BAA through **6 April 2006**. While the proposals submitted after the **19 May 2005**, deadline will be evaluated by the Government, proposers should keep in mind that the likelihood of funding such proposals is less than for those proposals submitted in connection with the initial evaluation and award schedule. DARPA will acknowledge receipt of submissions and assign control numbers that should be used in all further correspondence regarding proposals. Additionally, see the SECURITY INFORMATION section, below, for sending any classified materials, to include proposals. Note: at DARPA’s discretion, classified proposals not chosen for funding may be destroyed at any time.

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. Input on technical aspects of the proposals may be solicited by DARPA from non-Government consultants /experts who are also bound by appropriate non-disclosure requirements. However, non-Government technical consultants/experts will not have access to proposals that are labeled by their offerors as “Government Only”. Use of non-government personnel is covered in FAR 37.203(d).

5. REPORTING REQUIREMENTS/PROCEDURES

The Award Document for each proposal selected and funded will contain a mandatory requirement for submission of DARPA/IPTO Quarterly Status Reports and an Annual Project Summary Report. These reports, described below, will be electronically submitted by each awardee under this BAA via the DARPA/IPTO Technical – Financial Information Management System (T-FIMS). The T-FIMS URL will be furnished by the government upon award. Detailed data requirements can be found in the Data Item Description (DID) DI-MISC-81612A available on the Government’s ASSIST database (<http://assist.daps.dla.mil/quicksearch/>).

6. PROPOSAL FORMAT

Proposals shall consist of the BAA Confirmation Sheet and official transmittal letter, a technical volume, and a cost volume. Proposals shall include the following sections, each starting on a new page (where a "page" is 8-1/2 by 11 inches with type not smaller than 12 point) and with text on one side only. The submission of other supporting materials along with the proposal is strongly discouraged. Maximum page lengths for each section are shown in braces { } below.

IMPORTANT NOTE: IF THE OFFEROR DOES NOT COMPLY WITH THE REQUIREMENTS STATED BELOW, THE PROPOSAL WILL BE REJECTED.

6.1 BAA CONFIRMATION SHEET AND OFFICIAL TRANSMITTAL LETTER

The BAA Confirmation Sheet generated during the submission process is required to be submitted with the proposal along with a formal transmittal letter.

6.1.1 { 1 page } BAA Confirmation Sheet. The BAA Confirmation Sheet must include the following:

- A. BAA number;
- B. Technical topic area;
- C. Proposal title;
- D. Technical point of contact including: name, telephone number, electronic mail address, fax (if available) and mailing address;
- E. Administrative point of contact including: name, telephone number, electronic mail address, fax (if available) and mailing address;
- F. 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;
- G. 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."

6.1.2 { 1 Page } Official Transmittal Letter. A letter on the letterhead of the proposing organization must be included with the proposal.

6.2 TECHNICAL VOLUME I

This volume provides the detailed discussion of the proposed work necessary to enable an in-depth review of the specific technical and managerial issues. Specific attention must be given to addressing both risk and payoff of the proposed work that make it desirable to DARPA. The technical volume shall not exceed 45 pages, except where noted, and must include the following sections and information:

6.2.1 {No page limit} Table of Contents. The Table of Contents should be keyed to the page numbers of the proposal sections.

6.2.2 {5 Pages} A slide summary (five slides maximum) of the proposal in PowerPoint chart format that succinctly indicates the main objective, research challenges addressed, approach for overcoming challenges, key innovations, expected impact, cost, and other unique aspects of the proposal.

6.2.3 The detailed proposal information is required to include the following items:

A. {1 Page} Innovative claims for the proposed research.

This page is the centerpiece of the proposal and should succinctly describe the unique proposed contribution.

B. {1 Page} Proposal Roadmap

The roadmap provides a top-level view of the content and structure of the proposal. It contains a synopsis (or "sound bite") for each of the nine areas defined below. 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 nine roadmap areas are:

1. Main goals of the proposed research (stated in terms of new, operational capabilities for assuring that critical information is available to key users).
2. Tangible benefits to end users (i.e., benefits of the capabilities afforded if the proposed technology is successful).
3. Critical technical barriers (i.e., technical limitations that have prevented achieving the proposed results).
4. Main elements of the proposed approach.
5. Rationale to support the proposed approach and how it will overcome the technical barriers. ("We have a good team and good technology" is not a useful statement.)
6. Nature of expected results (unique/innovative/critical capabilities to result from this effort, and form in which they will be defined).
7. The risk if the work is not done.
8. Criteria for scientifically evaluating progress and capabilities on an annual basis.
9. Cost of the proposed effort for each performance year.

C. {2 Pages} Research Objectives:

1. **Problem Description.** Provide concise description of problem area addressed by this research project.
2. **Research Goals.** Identify specific research goals of this project. Identify and quantify expected performance improvements from this research. Identify new capabilities enabled by this research. Identify and discuss salient features and capabilities of developmental hardware and software prototypes.
3. **Expected Impact.** Describe expected impact of the research project, if successful, to problem area.

D. Technical Approach:

1. {12 Pages} **Detailed Description of Technical Approach.** Provide detailed description of technical approach that will be used in this project to achieve research goals
2. {2 Pages} **Comparison with Current Technology.** Describe state-of-the-art approaches and the limitations within the context of the problem area addressed by this research.

E. {3 Pages} **Statement of Work (SOW)** written in plain English, outlining the scope of the effort and citing specific tasks to be performed, references to specific subcontractors if applicable, and specific contractor requirements.

F. Schedule and Milestones:

1. {1 Page} **Schedule Graphic.** Provide a graphic representation of project schedule including detail down to the individual effort level. 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 experiments over the project life that will show applicability to the overall program concept. Show all project milestones. Use absolute designations for all dates.
2. {3 Pages} **Detailed Individual Effort Descriptions.** Provide detailed task descriptions for each individual effort and/or subcontractor in schedule graphic.

G. {2 Pages} Deliverables Description. List and provide detailed description for each proposed 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

DFARS 227.) Specify receiving organization and expected delivery date for each deliverable.

- H. {2 Pages} Technology Transition and Technology Transfer Targets and Plans. Discuss plans for technology transition and transfer. Identify specific military and commercial organizations for technology transition or transfer. Specify anticipated dates for transition or transfer.
- I. {3 Pages} Personnel and Qualifications. List of key personnel, concise summary of their qualifications, and discussion of proposer's previous accomplishments and work in this or closely related research areas. Indicate the level of effort (including percentage of time allocations) 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.
- J. {1 Page} Facilities. Description of the facilities that would be used for the proposed effort. If any portion of the research is predicated upon the use of Government Owned Resources of any type, the offeror shall specifically identify the property or other resource required, the date the property or resource is required, the duration of the requirement, the source from which the resource is required, if known, and the impact on the research if the resource cannot be provided. If no Government Furnished Property is required for conduct of the proposed research, the proposal shall so state.
- K. {1 Page} Experimentation Plans. Offerors should identify experiments to test the hypotheses of their approaches and be willing to work with other contractors in order to develop joint experiments in a common testbed environment. Offerors should expect to participate in meetings to provide specific technical background information to DARPA, attend semi-annual Principal Investigator (PI) meetings, and participate in numerous other coordination meetings via teleconference or Video Teleconference (VTC). Funding to support these various group experimentation efforts should be included in technology project bids.
- L. {1 Page} Quad Chart. Offerors are required to submit a one page summary quad chart in accordance with Appendix A. Special consideration should be given to the BOSS Security Classification Guide when determining the content to depict in the quad chart.

6.3 COST VOLUME II

Cost proposals are not subject to page limits, and shall provide a detailed cost breakdown of all direct costs, including cost by task, with breakdown into accounting categories (labor, material, travel, computer, each subcontractor's cost, labor and overhead rates, equipment, G&A and fee), for the entire contract and for each calendar year, divided into quarters. Where

the effort consists of multiple portions that could reasonably be partitioned for purposes of funding, these should be identified as contract options with separate cost estimates for each.

Offerors should expect to attend semi-annual Principal Investigator (PI) meetings and/or technical interchange meetings, host site visits and participate in numerous other coordination meetings via teleconference or Video Teleconference (VTC). Funding to support these various efforts should be included in technology project bids.

Contractors requiring the purchase of information technology (IT) resources as Government Furnished Property (GFP) **MUST** attach to the submitted proposals the following information:

1. A letter on Corporate letterhead signed by a senior corporate official and addressed to **Dr. Jonathan M. Smith**, DARPA/IPTO, stating that you either can not or will not provide the information technology (IT) resources necessary to conduct the said research.
2. An explanation of the method of competitive acquisition or a sole source justification, as appropriate, for each IT resource item.
3. If the resource is leased, a lease versus purchase analysis clearly showing the reason for the lease decision.
4. The cost for each IT resource item. Including a copy of a price quote is preferable.
5. A description for each IT resource item.

6.4 ADDITIONAL INFORMATION

A bibliography of relevant technical papers and research notes (published and unpublished) that document the technical ideas, upon which the proposal is based, may be included with the proposal submission as a separate volume. Provide one set for the original full proposal and one set for each of the 4 full proposal hard copies. Please note: The materials provided in this section, and submitted with the proposal, will be considered for the reviewer's convenience only and not considered as part of the proposal for evaluation purposes.

Awards made under this BAA may be subject to the provisions of the Federal Acquisition Regulation (FAR) Subpart 9.5, Organizational Conflict of Interest. All offerors and proposed subcontractors must affirmatively state whether they are supporting any DARPA technical office(s) through an active contract or subcontract. All affirmations must state which office(s) the offeror supports, and identify the prime contract number. Affirmations should be furnished at the time of proposal submission. All facts relevant to the existence or potential existence of organizational conflicts of interest, as that term is defined in FAR 2.101, must be disclosed in Volume I of the proposal, organized by task and year. This disclosure shall include a description of the action the Contractor has taken, or proposes to take, to avoid, neutralize, or mitigate such conflict.

7. EVALUATION AND FUNDING PROCESSES

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 in PROPOSAL FORMAT section, above. Other supporting or background materials submitted with the proposal will be considered for the reviewer's convenience only and not considered as part of the proposal.

Evaluation of proposals will be accomplished through a scientific review of each proposal using the following criteria, which are listed in descending order of relative importance:

- (1) Overall Scientific, Technical Merit and Soundness of Approach: The overall scientific and technical merit must be clearly identifiable and compelling. The technical concepts should be clearly defined and developed. The technical approach must be sufficiently detailed to support the proposed concepts and technical claims. Proposals for integration and independent test and evaluation tasks must present a concise methodology for their approach. Evaluation will also consider the effectiveness of the system integration and management plan.
- (2) Innovative Technical Solution to the Problem: Offerors should apply new and/or existing technology in an innovative way that supports the objectives of the proposed effort. The proposed concepts and systems should show breadth of innovation across all the dimensions of the proposed solution. Offerors must also specify quantitative experimental methods and metrics for measuring progress of the effort.
- (3) Offeror's Capabilities and Related Experience: The qualifications, capabilities, and demonstrated achievements of the proposed principals and other key personnel for the primary and subcontractor organizations must be clearly shown.
- (4) Plans and Capability to Accomplish Technology Transition: The offeror should consider involving potential military transition partners, as appropriate, in any proposed experiments, tests and demonstrations. Offerors should also provide a plan for transition of appropriate technology components and information to the user community.
- (5) Cost Realism: The overall estimated costs should be clearly justified and appropriate for the technical complexity of the effort. Evaluation will consider the value of the research to the government and the extent to which the proposed management plan will effectively allocate resources to achieve the capabilities proposed.

The Government reserves the right to select all, some portion, or none of the proposals received in response to this solicitation and to make awards without discussions with offerors; however, the Government reserves the right to conduct discussions if the Source Selection Authority later determines them to be necessary. Proposals identified for funding may result in a contract, grant, cooperative agreement, or other transaction depending upon the nature of the work proposed, the required degree of interaction between parties, and other factors. If warranted, portions of resulting awards may be segregated into pre-priced options.

The UNCLASSIFIED administrative address for this BAA is:

Mail to: DARPA/IPTO
ATTN: BAA 05-30
3701 N. Fairfax Drive
Arlington, VA 22203-1714

8. SECURITY INFORMATION

Awards for BOSS Program are expected to result in access to classified U.S. TOP SECRET information. A DD Form 254 will be issued upon contract award. If you choose to submit a classified proposal, using information from another government effort, you must first receive permission of the Original Classification Authority (OCA) to use their information in replying to this BAA, and cite and submit the applicable OCA classification guide(s) to ensure that the proposal is protected appropriately.

A Security Classification Guide (SCG) from DARPA is available to eligible contractors in order to properly protect any information submitted into this program solicitation. To obtain a copy of the Security Classification Guide, (which is For Official Use Only), please email your request to:

Eugene E. McGoldrick
Government Security Officer, Brood of Spectrum Supremacy (BOSS)
emcgoldrick@darpa.mil

Include in your email the following information: Facility Security Officer's (FSO's) name; FSO's phone number; secure fax number; and CAGE code.

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 DoD Overprint to 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 as-signed classification and addresses of both sender and addressee. The inner envelope shall be addressed to:

Defense Advanced Research Projects Agency (DARPA)
ATTN: **BAA05-30**, DARPA/IPTO, Dr. Jonathan M. Smith
3701 North Fairfax Drive, Suite 832
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 832
Arlington, VA 22203-1714

All Top Secret materials must be hand carried via an authorized, two-person courier team to the DARPA CDR.

Special Access Program (SAP) Information: Contact the DARPA Program Security Support Center (PSSC) at 703-812-1962/1970 for further guidance and instructions prior to transmitting to DARPA. All Top Secret SAP, must be transmitted via approved methods for such material. Consult the DoD Overprint to the National Industrial Security Program Operating Manual for further guidance. It is strongly recommended that you coordinate the transmission of SAP material and information with the DARPA PSSC prior to transmission.

Sensitive Compartmented Information (SCI) Data: Contact the DARPA Special Security Contact Office (SSCO) at 703-812-1993/1994 for the correct SCI courier address and instructions. All SCI should be transmitted through your servicing Special Security Officer (SSO) / Special Security Contact Officer (SSCO). All SCI data must be transmitted through your servicing Special Security Officer (SSO) / Special Security Contact Officer (SSCO). All SCI data must be transmitted through SCI channels only (i.e., approved SCI Facility to SCI facility via secure fax).

Proposers must have existing and in-place prior to execution of an award, approved capabilities (personnel and facilities) to perform research and development at the classification level they propose.

Appendix A – Sample Quad Chart and Instructions

Company Name/Logo **<PROGRAM NAME>** BAA Control Number:
 (Company Proposal Name)

Graphic Depiction

Performer:

DESCRIPTION / OBJECTIVES / METHODS

- Describe the new and unproven technology to be exploited
- From a technical perspective, why is this important to do now?
- Describe how the research will be conducted and how the technology will be tested (add scenarios, if applicable)

MILITARY IMPACT / SPONSORSHIP

- Describe the national security value and operational impact / improvement.
- Who is the potential military sponsor /user of the technical product or capability?

BUDGET & SCHEDULE

TASK	FY03	FY04	FY05

Budget (\$M), per year

PM: Dr. PM