

AIR FORCE
Small Business Technology Transfer (STTR) Program
Phase II Proposal Instructions

All Phase II proposals must be prepared and submitted through the Department of Defense (DoD)
Electronic Submission Site: <https://sbir.defensebusiness.org/>

I. NOTIFICATION

Only Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Phase I awardees are eligible to submit STTR Phase II proposals. The Phase I firm must qualify as a small business concern as defined in the DoD STTR solicitation at the time of Phase II award. Firms are highly encouraged to revisit the DoD SBIR/STTR Solicitations from which their awards resulted to become reacquainted with requirements and elements common to both Phase I and II procurements. NOTE: The Government is not obligated to make any awards under Phase II, nor is it responsible for expenditures by the offeror prior to award of a contract. All awards are subject to availability of funds and successful negotiations.

II. PROPOSAL SUBMISSION

The Air Force SBIR/STTR Program Office is instituting training and certification requirements in an effort to combat fraud in the SBIR/STTR program. As a result, each Small Business is required to complete the Fraud, Waste and Abuse Training as part of their Phase II proposal submission. The SBIR/STTR Program training related to Fraud, Waste and Abuse is available at: <https://training.defensebusiness.org/fwa>. When the training has been completed and certified, the DoD Submission Website will indicate this in the proposal which will complete the Volume 6 requirement. If the training has not been completed, you will receive an error message. Your proposal cannot be submitted until this training has been completed. Your complete proposal must be submitted via the submissions site on or before the date and time specified in the notification.

All proposals must be submitted electronically at <https://sbir.defensebusiness.org/>. The complete proposal, i.e., DoD coversheet, technical volume with appendices, Itemized Cost Volume Information, Fraud, Waste and Abuse Certificate of Training Completion and Company Commercialization Report, must be submitted by the date and time indicated in the notification. The technical volume is limited to 50 pages. The commercialization report, advocacy letters (if any), "SBIR/ STTR Environment, Safety and Occupational Health (ESOH) Questionnaire" (Attachment 1), and the additional cost volume itemized listing (a through i) should be included as the last pages of the uploaded technical volume. This documentation will not count toward the 50 page limitation. Only one Phase II proposal file can be uploaded to the DoD Submission Site. Ensure your complete technical volume and additional cost volume information is included in this sole submission. The preferred submission format is Portable Document Format (.pdf). Graphics must be distinguishable in black and white. **VIRUS-CHECK ALL SUBMISSIONS.**

Phase II proposals require a comprehensive, detailed submission of the proposed effort. AF Phase II efforts are typically 27 months; 24 months for technical performance and three (3) months for completion of the final report. AF Phase II efforts are awarded at an initial value not to exceed \$750,000. Proposals should demonstrate technical progress or results from the Phase I contract have sufficient promise to solve an important scientific or engineering problem to warrant more extensive research/research and development (R/R&D). Commercial and military potential of the technology under development is extremely important. Proposals emphasizing dual-use applications and commercial

exploitation of resulting technologies are sought.

All Phase II R/R&D must be performed by the small business and its team members in the United States, as defined in the solicitation under which the Phase I was awarded. The primary employment of the Phase II principal investigator must be with either the small business concern or the research partner at the time of award and during conduct of the entire proposed effort. Primary employment is defined as more than one-half of the principal investigator's time being spent working for the small business. This precludes full-time employment with another organization. The small business concern must have at least one employee in a management position whose primary employment is with the small business and who is not also employed by the research institution.

Knowingly and willfully making false, fictitious, or fraudulent statements or representations may be a felony under the Federal Criminal Statute Act, 18 U.S.C. Section 1001, punishable by a fine up to \$10,000, up to five years in prison, or both.

III. PHASE II PROPOSAL PREPARATION INSTRUCTIONS AND PROPOSAL REQUIREMENTS

A. Proposal Requirements. A Phase II proposal should provide sufficient information to persuade the AF the proposed continuation of work represents an innovative solution to the scientific or engineering problem and is worthy of support under the stated criteria. All sections below count toward the page limitation, unless otherwise specified.

B. Proprietary Information. Information constituting a trade secret, commercial or financial information, confidential personal information, or data affecting national security must be clearly marked. It shall be treated in confidence to the extent permitted by law. Be advised, in the event of proposal selection it is likely the Work Plan or Statement of Work (SOW) will be incorporated into the resulting contract, in whole or part, by reference or as an attachment. Therefore, segregate any information to be excluded from public release pursuant to the Freedom of Information Act (FOIA). See Section 3.9 of the DoD Solicitation regarding marking of proprietary information.

C. General Content. Proposals should be direct, concise, and informative. Type shall be no smaller than 12- pitch or 11-point on standard 8 ½" X 11" paper, with one-inch margins and pages consecutively numbered. Offerors are discouraged from including promotional and non-programmatic items.

D. Proposal Format. The technical proposal includes all items listed below in the order provided.

- (1) **Coversheet** – Complete and submit the STTR Proposal Coversheet in accordance with the instructions provided at <https://sbir.defensebusiness.org/>. The technical abstract should include a brief description of the program objective(s), a description of the effort, anticipated benefits and commercial applications of the proposed research, and a list of key words/terms. The technical abstract of each successful proposal will be submitted to the Office of the Secretary of Defense (OSD) for publication and, therefore, must not contain proprietary or classified information. The term "Component" on the coversheet refers to the AF organization requesting the Phase II proposal.

- (2) **Table of Contents** – A table of contents should be located immediately after the coversheet.

- (3) **Glossary** – Include a glossary of acronyms and abbreviations used in the proposal.
- (4) **Milestone Identification** – Include a program schedule with all key milestones identified. If options are proposed, the schedule should provide notional option start date and period of performance.
- (5) **Identification and Significance of the Problem or Opportunity** – Briefly reference the specific technical problem/opportunity addressed in Phase I and its relationship to Phase II.
- (6) **Phase II Technical Objectives** – The proposal should include an assessment of the potential commercial application for each objective.
- (7) **Phase II Work Plan** – If the Phase II requires submittal of a work plan, provide a detailed description of the Phase II approach. At the beginning of the plan, include an outline in the following format:
 - a. Scope – List the major requirements and specifications of the effort;
 - b. Task Outline – Provide a brief outline of the work to be accomplished over the span of the effort;
 - c. Milestone Schedule; and
 - d. Deliverables (see paragraph (9) below).

NOTE: Proprietary information shall NOT be included in the work plan.

The plan should include the location and mechanics of accomplishing the planned approach. Phase II efforts attempt to accomplish the technical feasibility demonstrated in Phase I, including transition of results to the private sector or Government customer. The methods to achieve each objective or task should be discussed in detail.

The Work Plan must contain separate sections or paragraphs specifically addressing the following:

- a. Safety requirements are to be followed in the design and performance of the proposed project. If hardware is to be developed, the contract will require at least a preliminary hazard analysis.
- b. If the proposed effort involves the use of potentially hazardous materials with potential risk to personnel or property, the following are required:
 - i. Identification of material;
 - ii. Purpose of the specific material; and
 - iii. Possible alternatives/procedures/safeguards to minimize risk.

Complete the SBIR/STTR Environment, Safety, and Occupational Health (ESOH) Questionnaire (Attachment 1) and include it with the proposal. This form does not count toward the 50-page limitation.

- (8) **Proposer-Prepared Statement of Work (SOW)** – If the Phase II proposal submission requires a SOW, it shall be a separate and distinct part of the proposal package, using a page break to divide it from the technical volume. The proposed SOW must contain a summary description of the technical methodology and task description in broad enough detail to provide contractual flexibility. The following is the recommended format for the SOW; begin this section on a new page. **DO NOT include proprietary information in the SOW.**

- a. 1.0 – Objective: This section is intended to provide a brief overview of the specialty area. It should explain why it is being pursued and the expected outcome.
- b. 2.0 – Scope: This section should provide a concise description of the work to be accomplished, including the technology area to be investigated, goals, and major milestones. However, the key elements of this section are task development and deliverables, i.e., the anticipated end result and/or product of the effort. This section must also be consistent with the information in 4.0 (below).
- c. 3.0 – Background: The proposer shall identify appropriate specifications, standards, and other documents applicable to the effort. This section includes any information, explanation, or constraints to understanding the requirements. It may include relationships to previous, current, and/or future operations. It may also include techniques previously found to be ineffective.
- d. 4.0 – Task/Technical Requirements: The detailed description of the individual tasks to accomplish the work to be performed is considered to be legally binding on the proposer. Therefore, it must be developed in an orderly progression with sufficient detail to establish overall program requirements and goals. The work effort must be segregated into major tasks and identified in separately numbered paragraphs.

Each numbered major task should delineate by subtask the work to be performed. The SOW MUST contain every task to be accomplished; they must be definite, realistic, and clearly stated. Use “shall” whenever the SOW expresses a binding provision. Use “should” or “may” to express a declaration or purpose. Use “will” when no contractor requirement is involved, i.e., “. . . power will be supplied by the Government.”

(9) **Deliverables** – Include a section clearly describing the specific sample/prototype hardware/software to be delivered, as well as data deliverables, schedules, and quantities. Be aware of the possible requirement for unique item identification IAW DFARS 252.211-7003, Item Identification and Valuation, for hardware. If hardware/software will be developed but not delivered, provide an explanation. At a minimum, the following reports will be required under ALL Phase II contracts.

- a. Scientific and Technical Reports – Rights in technical data, including software, developed under the terms of any contract resulting from a SBIR solicitation generally remain with the contractor. The Government obtains a royalty-free license to use such technical data for Government purposes during the period commencing with contract award and ending five (5) years after submission of the last contract deliverable. Upon expiration of the five year restrictive license, the Government has unlimited rights to the SBIR data, unless the firm receives another contract under which the SBIR data rights may be asserted. During the SBIR data protection period, the Government may not release or disclose SBIR technical data or computer software to any person except as authorized under limited rights in technical data or restricted rights for computer software.
- i. Final Report – The draft is due 30 days after completion of the Phase II technical effort. The first page of the final report will be a single-page project summary, identifying the purpose of the work, providing a brief description of the effort accomplished, and listing potential applications of the results. The summary may be published by DoD; therefore, it must not contain any proprietary or classified

information. The remainder of the report should contain details of the project objectives met, work completed, results obtained, and estimates of technical feasibility.

- ii. Status Reports – Status reports are due quarterly at a minimum. Phase IIs are generally awarded as Fixed Price Contracts. NOTE: Fixed price contracts will receive payments for each monthly status report or hardware deliverable provided through the life of the contract.
- iii. Phase II Summary Report – The interim (due at the end of the first year of technical performance) and final Phase II summary reports should be submitted directly to your cognizant Contracting Officer.. Each report should not exceed 700 words and should include a description of the technology and anticipated applications/benefits for Government and/or private sector use.

- b. Additional Reporting – AF may require additional reporting or documentation including:
 - i. Software documentation and users’ manuals;
 - ii. Engineering drawings;
 - iii. Operation and maintenance documentation;
 - iv. Safety hazard analysis when the project will result in partial or total development and delivery of hardware; and
 - v. Updates to the commercialization results.

(10) **Related Work** – Describe significant activities directly related to the proposed effort, including any previous programs conducted by the principal investigator, proposing firm, consultants, or others, and their application to the proposed project. Also list any reviewers providing comments regarding the offeror’s knowledge of the state-of-the-art in the specific approach proposed.

(11) **Commercialization Potential** –

- a. The DoD requires a commercialization plan be submitted with the Phase II proposal, specifically addressing the following questions:
 - i. What is the first planned product to incorporate the proposed technology?
 - ii. Who are the probable customers, and what is the estimated market size?
 - iii. How much money is needed to bring this technology to market and how will it be raised?
 - iv. Does your firm have the necessary marketing expertise and, if not, how will your firm compensate?
 - v. Who are the probable competitors, and what price/quality advantage is anticipated by your firm?
- b. The commercialization strategy plan should briefly describe the commercialization potential for the anticipated results of the proposed project, as well as plans to exploit it. Commercial potential is evidenced by:
 - i. The small business’ record of commercializing STTR/SBIR or other research,

particularly as reflected in its Company Commercialization Report. The Company Commercialization Report of prior STTR/SBIR awards may be included to satisfy this requirement.

- ii. The existence of private sector or non-STTR/SBIR funding sources demonstrating commitment to Phase II efforts/results.
- iii. The existence of Phase III follow-on commitments for the research subject.
- iv. The presence of other indicators of commercial technology potential, including the firm's commercialization strategy.

- c. If awarded a Phase II contract, the contractor is required to periodically update the commercialization results of the Phase II project at <https://sbir.defensebusiness.org/>. These updates will be required one (1) year after the start of Phase II, at completion of Phase II, and subsequently when the contractor submits a new STTR/SBIR proposal to DoD. Firms not submitting a new proposal to DoD will be requested to provide updates annually after completion of the Phase II.

(12) Military Applications – Briefly describe the existing/potential military requirement and the military potential of the STTR/SBIR Phase I results. Identify the DoD agency/organization most likely to benefit from the project. State if any DoD agency has expressed interest in, or commitment to, a non-SBIR, Federally-funded Phase III effort. This section should involve not more than one to two (1-2) paragraphs. Include agency point of contact names and telephone numbers.

(13) Relationship with Future Research or Research and Development (R/R&D) Efforts –

- a. State the anticipated results of the proposed approach, specifically addressing plans for Phase III, if any.
- b. Discuss the significance of the Phase II effort in providing a basis for the Phase III R/R&D effort, if planned.

(14) Key Personnel – In the technical volume, identify all key personnel involved in the project.

Include information directly related to education, experience, and citizenship. A technical resume for the principal investigator, including publications, if any, must also be included. Concise technical resumes for subcontractors and consultants, if any, are also useful. You must identify all non-U.S. citizens expected to be involved in the project as direct employees, subcontractors, or consultants. For these individuals, in addition to technical resumes, please provide countries of origin, type of visas or work permits under which they are performing, and explanation of their anticipated level of involvement in the project.

When the topic area is subject to export control, these individuals, if permitted to participate, are limited to work in the public domain. Further, tasks assigned must not be capable of assimilation into an understanding of the project's overall objectives. This prevents foreign citizens from acting in key positions, such as Principal Investigator, Senior Engineer, etc. Additional information may be requested during negotiations in order to verify foreign citizens' eligibility to perform on a contract awarded under this solicitation.

(15) Facilities/Equipment – Describe instrumentation and physical facilities necessary and available to

carry out the Phase II effort. Justify equipment to be purchased (detail in cost volume). State whether proposed performance locations meet environmental laws and regulations of Federal, state, and local Governments for, but not limited to, airborne emissions, waterborne effluents, external radiation levels, outdoor noise, solid and bulk waste disposal practices, and handling and storage of toxic and hazardous materials.

(16) Consultants/Subcontractors – Private companies, consultants, or universities may be involved in the project. All should be described in detail and included in the cost volume. **In accordance with the Small Business Administration (SBA) SBIR Policy Directive, a minimum of 40% of the R/R&D must be performed by the proposing firm, and a minimum of 30% of the R/R&D performed by the research institution, unless otherwise approved in writing by the Contracting Officer.** Signed copies of all consultant or subcontractor letters of intent must be attached to the proposal. These letters should briefly state the contribution or expertise being provided. Include a SOW and detailed cost volume. Include information regarding consultant or subcontractor unique qualifications. Subcontract copies and supporting documents do not count against the Phase II page limit. Identify any subcontract/consultant foreign citizens per (14) above.

(17) Prior, Current, or Pending Support of Similar Proposals or Awards – WARNING: While it is permissible, with proper notification, to submit identical proposals or proposals containing a significant amount of essentially equivalent work for consideration under numerous Federal program solicitations, it is unlawful to enter into contracts or grants requiring essentially equivalent effort. Any potential for this situation must be disclosed to the solicitation agency (ies) before award. If a proposal submitted in response to this solicitation is substantially the same as another proposal previously, currently, or in process of being funded by another Federal agency/DoD Component or the same DoD Component, the company must so indicate on the coversheet and provide the following:

- a. The name and address of the Federal agency (ies) or DoD Component(s) to which proposals were or will be submitted, or from which an award is expected or has been received;
- b. The date of proposal submission or date of award;
- c. The title of the proposal;
- d. Name and title of the principal investigator for each proposal submitted or award received; and
- e. Title, number, and date of solicitation(s) under which the proposal was or will be submitted, or under which an award is expected or has been received.
- f. If award was received, provide the contract number.
- g. Specify the applicable topics for each SBIR proposal submitted or award received.

NOTE: If this does not apply, state in the proposal, “No prior, current, or pending support for proposed work.”

(18) Cost Proposal – A detailed cost proposal must be submitted. Cost volume information will be treated as proprietary. Proposed costs must be provided by both individual cost element and contractor fiscal year (FY) in sufficient detail to determine the basis for estimates, as well as the purpose, necessity, and reasonableness of each. This information will expedite award of the resulting contract if the proposal is selected for award. Both Cost Plus Fixed Fee (CPFF) and Firm Fixed Price (FFP) contracts are appropriate for Phase II awards. Proposers

should note that FFP payments shall be tied to measurable milestones, such as monthly status reports or deliverables.

All Phase II proposals should indicate whether an accounting system review was previously performed by DCAA and, if so, the contact information for the auditor. Without a Government-approved accounting system, a Cost type contract is not allowed. Any questions regarding this matter should be discussed with the AF Phase I Contracting Officer.

The cost proposal does not count toward Phase II proposal page limitations. The cost volume includes:

- a. Direct Labor – Identify key personnel by labor category. Number of hours, actual hourly rates, labor overhead, and/or fringe benefits per contractor FY is also required.
 - b. Direct Materials – Costs for materials, parts, and supplies must be justified and supported. Provide an itemized list of types, quantities, prices, and, where appropriate, purpose. If computer or software purchases are planned, detailed information such as manufacturer, price quotes, proposed use, and support for the need will be required.
 - c. Other Direct Costs – This includes specialized services such as machining or milling, special test/analysis, and costs for temporary use/lease of specialized facilities/equipment. Provide usage (hours) expected, rates, and sources, as well as brief discussion concerning the purpose and justification. Proposals including leased hardware must include an adequate lease versus purchase rationale.

Special tooling/test equipment/material costs are acceptable but will be carefully reviewed to determine the need/appropriateness of the work proposed. The Contracting Officer must decide whether these purchases are advantageous to the Government and are directly related to the proposed effort. Title to property furnished by the Government will be vested with the AF unless determined to be more cost-effective for transfer to the contractor. The Government's intention is not to directly fund purchase of general purpose equipment.
 - d. Subcontracts – Subcontract costs must be supported with copies of the subcontract agreements. Agreement documents must adequately describe the work to be performed and basis for cost. The agreement document should include a SOW, assigned personnel, hours and rates, materials (if any), and proposed travel (if any). A letter from the subcontractor agreeing to perform a task or tasks at a fixed price is not considered sufficient. The proposed total of all consultant fees, facility leases or usage fees, and other subcontract or purchase agreements may not exceed one-half of the total contract price or cost, unless otherwise approved in writing by the Contracting Officer.
- IAW FAR 15.404-1, price analysis, including reasonableness, realism, and completeness, of the proposed subcontractor costs by the prime is required. If based on comparison with prior efforts, identify the basis upon which the prior prices were determined to be reasonable. If price analysis techniques are inadequate or the FAR requires submission of subcontractor cost or pricing data, provide a cost analysis IAW FAR 15.404-1(c). Cost analysis includes, but is not limited to, consideration of materials, labor, travel, other direct costs, and proposed profit rates.
- e. Consultants – For each consultant, provide a separate agreement letter briefly stating the service to be provided, hours required, and hourly rate and include a short, concise resume.

- f. Travel– Each Phase II effort, at a minimum, should include a kickoff or interim meeting. Travel costs must be justified as related to the needs of the effort. Include destinations, the number of trips, number of travelers per trip, airfare, per diem, lodging, ground transportation, etc. Information regarding per diem and lodging rates may be found in the Joint Travel Regulation (JTR), Volume 2, www.defensetravel.dod.mil.
- g. Indirect Costs– Indicate the basis of the proposed rates, e.g., budgeted/actual rates per FY, etc. The proposal should identify the specific rates used and allocation bases to which they are applied. Do not propose composite rates; proposed rates and applications per FY throughout the anticipated performance period should be provided.
- h. DD Form 2345 – For proposals submitted under export-controlled topics (either International Traffic in Arms (ITAR) or Export Administration Regulations (EAR)), a copy of the certified DD Form 2345, Militarily Critical Technical Data Agreement, or evidence of application submission must be included. The form, instructions, and FAQs may be found at the United States/Canada Joint Certification Program website, <http://www.dla.mil/HQ/InformationOperations/Offers/Products/LogisticsApplications/JC/P/DD2345Instructions.aspx/> Approval of the DD Form 2345 will be verified if proposal is chosen for award.

E. Company Commercialization Report – All Phase II proposals must contain a “Commercialization Report of Prior STTR Awards”. This report should be submitted as an attachment or enclosure and will not be counted against the 50-page limitation. The online Company Commercialization Report may be used to fulfill this requirement. As instructed in paragraph 11.2 of the DoD Solicitation, prepare the report using the password-protected DoD SBIR Electronic Submission Site, <https://sbir.defensebusiness.org/>.

IV. METHOD OF SELECTION AND EVALUATION CRITERIA

A. Introduction: Phase II proposals are evaluated on a competitive basis by subject matter expert (SME) scientists, engineers, or other technical personnel. Throughout evaluation, selection, and award, confidential proposal and evaluation information will be protected to the greatest extent possible.

B. Evaluation Criteria: Phase II proposals will be reviewed for overall merit based on following criteria published in the DoD STTR Solicitation in descending order of importance:

- (1) Technical Merit– The soundness, technical merit, and innovation of the proposed approach and its incremental progress toward topic or subtopic solution.
- (2) Potential for Commercial Application– The potential for commercial (Government or private sector) application and the benefits expected to accrue from it.
- (3) Qualifications of the Principal Investigator (and Team) – Qualifications of the proposed principal/key investigators, supporting staff, and consultants. Qualifications include not only the ability to perform the R/R&D but also to commercialize the results.

Cost reasonableness and realism shall also be considered to the extent appropriate.

Other factors considered during the selection process are results of the Phase I effort; commitment for Phase III funding; possible duplication with other R/R&D; program balance; budget limitations; and

potential, if successful, of leading to a product of continuing interest to DoD. ~~AF anticipates pricing will be based on adequate price competition.~~

Once the effort is determined to have potential to meet DoD objectives, as well as meeting market needs, the firm is encouraged to pursue private sector or non-STTR Government funding for a follow-on Phase III effort. Phase III can cover a broad range of activities from commercial application of STTR-funded R/R&D by non-Federal sources of capital (within Federal Government, would be a subcontract to a Federal contract); STTR-derived products/services intended for use by the Federal Government, funded by non-STTR sources of Federal funding; or continuation of R/R&D, previously competitively selected using peer review or merit-based selection procedures, funded by non-STTR Federal funding sources.

NOTE: Restrictive notices notwithstanding, proposals may be handled for administrative purposes only, by support contractors; Bytecubed, Oasis Systems, Riverside Research, Peerless Technologies and/or Stealth Entry LLC. In addition, only Government employees and technical personnel from Federally Funded Research and Development Centers (FFRDCs) MITRE and Aerospace Corporations working under contract to provide technical support to AF Life Cycle Management Center and Space and Missiles Centers may evaluate proposals. All support contractors are bound by appropriate non-disclosure agreements. If you have concerns about any of these contractors, you should contact the AF SBIR/STTR Contracting Officer, Michele Tritt, michele.tritt@us.af.mil.

V. CERTIFICATIONS

In addition to the standard Federal and DoD procurement certifications, the SBA SBIR/STTR Policy Directives require the collection of certain information from firms at the time of award and during the award life cycle. Each firm must provide this additional information at the time of the Phase II award, prior to receiving 50% of the total award amount for a Phase II award, and prior to final payment on the Phase II award. This certification is available in the “Compliance with Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Program Rules” training on slide 29. This can be accessed at: <https://www.afsbirsttr.af.mil/>. Go to the “Program” tab on the tool bar then to “Fraud, Waste and Abuse Prevention.”

VI. DEBRIEFINGS

In accordance with FAR 15.505, a debriefing may be received by written request. Consistent with the DoD SBIR/STTR Solicitations, the request must be received within 30 days after receipt of notification of non-selection. Written requests for debrief should be submitted to the Contracting Officer named on your non-selection notification, and should include the company name and telephone number/email address for a company point of contact, as well as an alternate. Also include the topic number under which the proposal was submitted and the proposal number. Requests received more than 30 days after receipt of notification of non-selection will be fulfilled at the Contracting Officers’ discretion.

Unsuccessful offerors are entitled to no more than one debriefing per proposal. NOTE: FAR 15.505(a)(2) states, at the offeror’s request, debriefs may be delayed until after award. Under the AF SBIR/STTR Programs, debriefs are automated and standardized. Therefore, pre- and post-award debriefs are identical.

VII. PHASE II PROPOSAL SUBMISSION CHECKLIST

- A. Proposal
 - 1) DoD Coversheet

- 2) Technical Proposal and Appendices
 - 3) Cost Proposal
- B. Proposal Attachments
- 1) Company Commercialization Report
 - 2) SBIR/STTR ESOH Questionnaire

Attachment 1: SBIR/STTR Environment, Safety and Occupational Health (ESOH) Questionnaire

Company Name:

Title:

1. Will hazardous materials (as defined by Federal Standard 313D, Material Safety Data, Transportation Data and Disposal Data for Hazardous Material Furnished to Government Activities and 40 CFR Part 260 – 279) be used in the contract?

Yes No

If the answer is "yes," list materials:

2. Will explosives or ammunition be used in research? (See definitions listed below before answering.)

Yes No

Explosives and ammunition mean:

- (a.) Liquid and solid propellants and explosives, pyrotechnics, incendiaries and smokes in the following:

- (i) Bulk;
- (ii) Ammunition;
- (iii) Rockets;
- (iv) Missiles;
- (v) Warheads;
- (vi) Devices; and
- (vii) Components of (i) through (vi), except for wholly inert items.

- (b.) This definition does not include the following, unless the contractor is using or incorporating these materials for initiation, propulsion, or detonation as an integral or component part of an explosive, an ammunition or explosive end item, or of a weapons system.

- (i) Inert components containing no explosives, propellants, or pyrotechnics;
- (ii) Flammable liquids;
- (iii) Acids;
- (iv) Oxidizers;
- (v) Powdered metals; or
- (vi) Other materials having fire or explosive characteristics.

If the answer is "yes," list items:

3. Will any hazardous processes be performed under the contract? Examples include operation of heavy equipment or power tools, operation of lasers or radio frequency radiation emitters, use of high voltage (greater than 600 volts) equipment, or use of equipment operating at high pressure (greater than 60 psig) or high temperature (greater than 50°C).

Yes No

If the answer is "yes," list processes:

4. Will this research be completed on a U.S. Air Force installation?

Yes No

If the answer is "yes," list facilities:

5. Will the contract require the purchase, storage use or delivery of any chemicals or hazardous material to USAF facilities?

Yes No

If the answer is "yes," list chemicals or hazardous materials:

6. Will any hazardous chemical or waste be generated during the course of this research?

Yes No

If the answer is "yes," specify the hazardous chemical or waste to be generated:

7. Will any Class I ozone depleting substances (ODSs) be required in this research?

A list of Class I ODSs is located at the following website: <http://www.epa.gov/ozone/ods.html>

Yes No

If the answer is "yes," list substances:

8. Does this effort involve the purchase or use of any radioactive materials?

Yes No

If the answer is "yes," specify the radioactive materials:

9. Will this effort involve any asbestos, radiation, or chemical generating/using components that will be delivered to USAF facilities?

Yes No

If the answer is "yes," specify the components:

10 Are there any special atmospheric or water resource requirements?

Yes No

If "yes" specify the requirements.

Attachment 1