



Missile Defense Agency: Phase II Fast Track Program

Small Business Innovation Research (SBIR) Program

Application Instructions

Deadline: 120 Days from Phase I Award Date

Introduction: For additional information and guidance regarding the DoD Fast Track Program, please refer to Section 4.5 of the solicitation. The Missile Defense Agency's (MDA's) Phase II Fast Track Program is focused on transition of technology. The Fast Track Program provides matching SBIR funds to eligible firms that attract investment funds from a DoD acquisition program, a non-SBIR/non-STTR government program or Private sector investments. Phase II awards under Fast Track will be for \$1.0M maximum, unless specified by the MDA SBIR Program Manager.

- For companies that have never received a Phase II SBIR award from DoD or any other federal agency, the minimum matching rate is 25 cents for every SBIR dollar. (For example, if such a company receives interim and Phase II SBIR funding that totals \$750,000, it must obtain matching funds from the investor of \$187,500.)
- For all other companies, the minimum matching rate is 1 dollar for every SBIR dollar. (For example, if such a company receives interim and Phase II SBIR funding that totals \$750,000, it must obtain matching funds from the investor of \$750,000.)

Submission: The complete Fast Track application along with completed transition questions (see note below), must be received by MDA within 120 days from the Phase I award date. The complete Phase II Proposal must be received by MDA within 30 days of receiving approval (see "application assessments for further information). Any Fast Track applications or proposals not meeting this deadline will be declined. All Fast Track applications and required information must have a complete electronic submission. The DoD submission site <http://www.dodsbir.net/submission> will lead you through the process for submitting your application and technical proposal electronically. Each of these documents is submitted separately through the website.

Please Note – Firms who wish to submit a Fast Track Application to MDA MUST utilize the MDA Fast Track Application Template (below). Failure to follow these instructions will result in automatic rejection of your application.

Application Assessments: The Fast Track Program application will be reviewed for overall merit based upon the following criteria which are listed in descending order of importance, where criteria A is more important than criteria B individually.

- A. Transition Potential: There is support and a stated need from the appropriate MDA organization(s). The funding profile demonstrates incremental progress toward transition and future technology insertion.
- B. Value to the BMDS: The extent to which the proposed solution addresses the stated BMDS capability need, and the extent to which the proposed capability applies to multiple BMDS missions.

For purposes of the current Transition Program, the following is a list of some of the current BMDS capability needs: Discrimination; Kill Vehicle and Interceptor Technologies (DACs, communications, seekers, propulsion, lethality, avionics); Global BMDS C2BMC; Models and Simulations (system level modeling, plume signature modeling); Radiation Hardening; Radar System Technology; Manufacturing and Producibility (materials & processes, power systems, structures, electro-optics); Sustainment; Directed Energy Technologies; Anti-Tamper; and Insensitive Munitions.

It cannot be assumed that reviewers are acquainted with the firm or key individuals or any referenced experiments. Technical reviewers will base their assessments only on information contained in the application. Relevant supporting data such as journal articles, literature, including Government publications, etc., should be contained or referenced in the application and will count toward the 15-page limit. Where applications are

assessed as essentially equal in merit, cost to the Government will be considered in making the final selections. While funding is limited, MDA reserves the right not to use all available funding for the Fast Track Program. MDA will select for funding the applications that best meet our needs, regardless of whether we have exhausted all the available funding.

Firms are encouraged to engage their technical monitors and also review current BMDS literature including the [BMDS Overview](#).

Following the assessment, a determination will be made whether or not to invite a firm to submit a Phase II proposal. Notifications will be distributed electronically, via e-mail, to the Company Official listed on the application coversheets. Firms selected during the preliminary assessment process will have thirty (30) days to prepare and submit their Phase II proposal to MDA for final Fast Track consideration and evaluation.

Proposal Evaluation: MDA will evaluate invited Phase II proposals in an expedited manner in accordance with the stated criteria (see section 4.3 of the DoD Solicitation), and may select these proposals for Phase II award provided: (1) they meet or exceed selection criteria and (2) the project has substantially met its Phase I technical goals. Please Note: Phase I interim funding is not guaranteed. If awarded, it is expected that interim funding will generally not exceed \$30,000. Selection and award of a Fast Track proposal is not mandated and MDA retains the discretion not to select or fund any Fast Track proposal.

Please Note: Firms who have competed for Fast Track may still be eligible to compete for a regular Phase II in the MDA SBIR Program.

Template for Fast Track Application

(Follow this template for your technical upload)

Section A. Phase I Government Technical Monitor (TM):

First and Last Name:

Email address:

Phone number:

Section B. MDA Acquisition Program (or MDA Procuring Organization) Point of Contact:

First and Last Name:

Title:

Email address:

Phone number:

Section C. Proposed Phase II Technology and Transition Factors:

In 15 pages or less, address each of the following questions in sequential order (place question with number prior to your answer):

1. Briefly describe your Phase I technical accomplishments and how they will support your Phase II.
2. What technology is being proposed in Phase II and how is it expected to be transitioned after/during project completion?
3. How does your SBIR Phase II support the Ballistic Missile Defense System (BMDS)? Please describe the following:
 - a. The current problem (i.e., capability need) your research is addressing.
 - b. How the current problem will be solved.
 - c. The value to the BMDS in utilizing the proposed solution.
4. What are the required exit criteria for the SBIR Phase II such that the acquisition program manager/procuring organization might agree to insert this technology? Note: Exit criteria are some level of demonstrated performance outcome (e.g., level of engine thrust), the accomplishment of some process at some level of efficiency (e.g., manufacturing yield), or successful accomplishment of some event (e.g., first flight), or some other criterion that indicates that aspect of the program is progressing satisfactorily.

5. Describe the funding profile required to assure transition of the technology upon completion of the SBIR Phase II Program. The funding profile shows the incremental funds over time required to complete transition (as projected). The common basis is usually the activities that make up the project. Each activity has a duration and a cost associated with it. When the two are linked together, they produce a profile that indicates the cost over time.
6. What is the MDA Acquisition Program Manager's and/or MDA procuring organization's interest in your Phase II and possible commitment to transition? (You must include an advocacy letter from the relevant MDA Acquisition Program Manager(s) and/or MDA procuring organization(s) articulating their pull for this technology (i.e., what BMDS need does this technology support and why is it important). The letter does not count towards the page count). **PLEASE NOTE:** It is advised that you work with your technical monitor and the MDA Program Elements ([MDA Organizational Chart](#)) EARLY in your application process to secure your advocacy letter in a timely fashion. **The MDA SBIR PMO will NOT accept late letters for any reason.**
7. What are the risks (cost, schedule, technical, manufacturability, and sustainment) associated with your Phase II?
8. What is the identified technology road-map for developing and transitioning the proposed technology? (A diagram or flow chart is acceptable as an "answer" to this question.)

Section D. ADVOCACY LETTER(s): Insert here or FAX to 703-205-1596

Section E. OUTSIDE INVESTOR LETTER(s): Insert here or FAX to 703-205-1596

Section F. Concise Statement of Work for Interim Effort

Checklist

Fast Track Application: [Technical Upload Checklist](#)

Your total technical upload must include the following:

_____ Transition Plan (following above template): maximum 15 pages.

_____ An advocacy letter from the relevant MDA acquisition program manager(s) and/or MDA procuring organization(s) articulating their pull for this technology (i.e., what BMDS need does this technology support and why is it important to fund it). This letter should be included as the last part of your technical upload or faxed to 703-205-1596.

_____ A letter from the outside investor, stating the amount the investor will provide. This letter should be included as the last part of your technical upload or faxed to 703-205-1596. (Letter should not exceed 2 pages).

_____ Concise Statement of Work for Interim Effort

Please be advised, within 45 days of Phase II Fast Track Program Award notification, the company and third party must certify, that the entire amount of the matching funds from the outside investor has been transferred to the company. Certification consists of a letter, signed by both the company and its outside investor, stating that "\$_____" in cash has been transferred to our company from our outside investor in accord with the MDA SBIR Phase II Fast Track Program procedures." The letter must be sent to the MDA contracting office along with a copy of the company's bank statement showing the funds have been deposited. If the outside investor is a non- SBIR/non-STTR DoD program, it must provide a line of accounting within the 45 days that can be accessed immediately.

Note: Failure to follow the above instructions or meet these conditions in their entirety, within the time frames indicated, will generally disqualify a company from participation in the current MDA SBIR Fast Track Program process and **result in automatic rejection of your application.**