

Missile Defense Agency SBIR/STTR Program

*Presented to the NDIA MDA 3rd Annual SBIR Industry Day
Arlington, Virginia*



Mr. Michael Zammit
SBIR/STTR Program Manager
26 July 2007



Missile Defense Agency Mission

Develop and progressively field a joint, integrated and multilayered Ballistic Missile Defense System (BMDS):

- To defend the United States, our deployed forces, and our friends and allies
- Against ballistic missiles of all ranges
- By engaging them in all phases of flight



Integrated Ballistic Missile Defense System (BMDS)

Sensors



Defense Support Program



Space Tracking And Surveillance System



Sea-Based Radars



Forward-Based Radar With Adjunct Sensor



Midcourse X-Band Radar



Early Warning Radar



Airborne Laser



Kinetic Energy Booster



Aegis Ballistic Missile Defense / Standard Missile-3



Multiple Kill Vehicle



Ground-Based Midcourse Defense



Terminal High Altitude Area Defense



Sea-Based Terminal



Patriot Advanced Capability-3

Command, Control, Battle Management & Communications



NMCC USSTRATCOM USNORTHCOM USPACOM EUROMEDCOM CENTCOM



Magnitude of the MDA SBIR Program

FY	Program	# Topics	# PI Proposals	# PI Awards	# PII Awards
FY03	SBIR	102	1861	454	184
	STTR	6	60	41	6
	Total (~\$137M)	108	1921	495	190
FY04	SBIR	87	1712	315	211
	STTR	24	275	46	29
	Total (~\$141M)	111	1987	361	240
FY05	SBIR	96	1690	242	101*
	STTR	21	232	29	16
	Total (~\$139M)	117	1922	271	117*
FY06	SBIR	69	1508	174	121
	STTR	13	177	26	16
	Total (~\$133M)	82	1685	200	137
FY07	SBIR	54	1165	164	99
	STTR	11	111	24	13
	Total (~\$142M)	65	1276	188	112

Focus Resources on Phase II Efforts and Transitioning to Phase III

*started to fully fund Phase II's instead of incrementally funding



MDA SBIR/STTR Program Priorities

- **Prioritize Projects at the Ballistic Missile Defense System (BMDS) Level**
- **Address BMD System Gaps or Foster New BMD System Capabilities**
- **Increase Value of Phase II Awards Based on Increased Relevance to the BMD System**



MDA SBIR/STTR Strategic Management

- **Deputy, Advanced Technology**
 - Overall Responsibility For The MDA SBIR/STTR Programs
 - Government Source Selection Authority
 - Chair's SBIR Steering Group
- **Steering Group**
 - Board of Directors, Provide Technical/Investment Guidance
 - Review and Approve Topics and Awards
- **Program Management Office**
 - Responsible For Day to Day Execution



MDA Strategic Management (con't)

- **Program Sponsors (w/significant support from the field activities)**
 - Draft Topics
 - Evaluate Proposals
 - Make Award Recommendations and Provide Technical Monitors
 - Plan and Track Technology Transition and Insertion
 - Participants
 - AB – Aegis BMD
 - AL – Airborne Laser
 - BC – Integration (C2BMC)
 - DEP – Producibility and Mantech
 - DES – Modeling & Simulation
 - DOS – Security/Intel Ops
 - DV – Advanced Technology
 - GM – Ground-based Midcourse Defense
 - KI – Kinetic Energy Interceptor
 - MK – Multiple Kill Vehicle
 - QS – Quality, Safety and Mission Assurance
 - SS – Space Tracking and Surveillance System
 - TC – Targets and Countermeasures
 - TH – THAAD



MDA Strategic Management (con't)

- **Research Area Leads (RALs)**
 - Facilitate the Integration across the BMDS
 - Minimize Duplication
 - Encourage Cooperation

Research Areas – 07.3 Solicitation	
Space Technology	Radar System Technology
Interceptor Technology	Information Assurance
Modeling & Simulation	Integration
Manufacturing Technology	Safety/Insensitive Munitions
Discrimination	Airborne Component Technology



SBIR Solicitation/Proposal Schedule (MDA Goals)

July 19	Phase I Pre-solicitation Period Opens (07.3)
August 20	DoD issues Phase I Solicitation
September 19	Phase I Proposals Due 6:00 a.m. EST (NOTE: Maximum Page Limit is 20 Pages)
Sep 21-Nov 21	Phase I Proposal Evaluation and Selection
Jan 21	Phase I Contract Awards Complete
Jan 21-Jul 21	Phase I Performance Period
Aug 1	Phase II Invitations Released
Sept 1	Phase II Proposals Due
Sept 1-Oct 1	Phase II Proposal Evaluation and Selection
Feb 1	Phase II Contract Awards Complete
Feb 1	Phase II Performance Period Begins



National Technology Transfer Center

- **Provides individualized business assistance through regional workshops funded by MDA**
- **NTTC leverages the expertise of technology and business experts to accelerate the maturation and commercialization of technology**
- **NTTC services offered to MDA SBIR awardees**



WEB SITES

www.mda.mil

(Making Ballistic Missile Defense a Reality)

- ❖ **Designed for security . . .To impart the official word**
- ❖ **Missile Defense News, Images, Videos, Fact Sheets**
- ❖ **BMDS Overview, BMD Basics**

www.winmda.com

- ❖ **MDA SBIR/STTR Information**
- ❖ **Past awards**
- ❖ **“How To” tutorials for submitting proposals**

www.mdatechnology.net

(Designed with flexibility . . . To keep the world updated and current)

- ❖ **Google indexing of 300+ individual articles**
- ❖ **Company News links visitors to press releases**
- ❖ **Real-time uploads of technology info and fact sheets**



MDA SBIR Points of Contact

Lee R. Rosenberg

Director of Small Business Programs
www.mdasmallbusiness.com

Mike Zammit

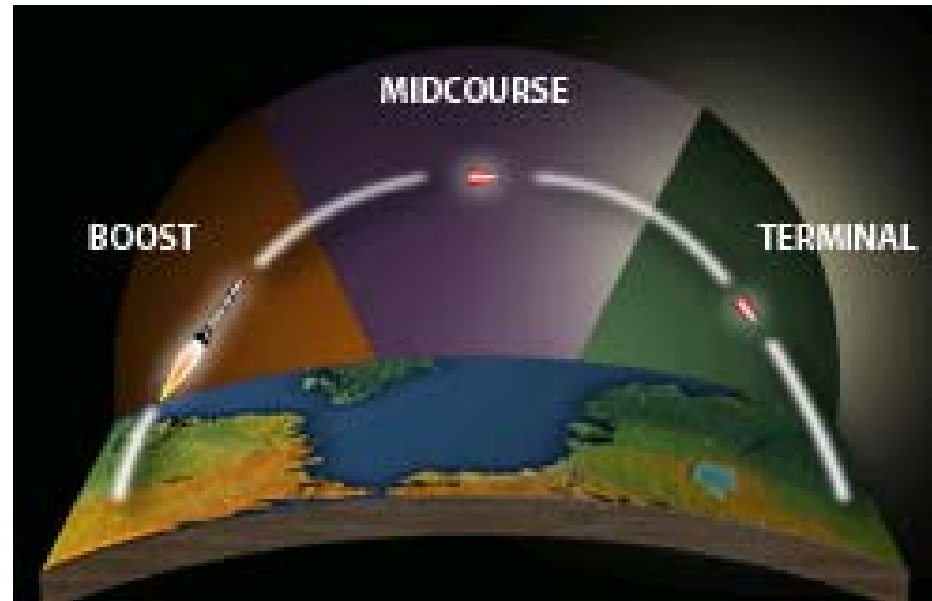
SBIR/STTR Program Manager

Jerrol Sullivan

SBIR/STTR Deputy Program Manager

Jangela Shumskas

MDA SBIR/STTR Program Management
Office



MDA SBIR/STTR Info

703-553-3418

SBIRSTTR@mda.mil



SBIR/STTR Interactive Topic Information System (SITIS)

Direct contact between proposers and topic authors is no longer allowed once DoD begins accepting proposals on August 20, 2007. Questions may only be submitted through the *SITIS* system.

Purpose: Provide technical clarification on solicitation topics

- Questions **must** deal with the **technical aspects** of topics; any other questions will not be accepted.
- All technical questions and answers are posted for general viewing.
- Questioner and Respondent remain anonymous.
- Accepted through **September 5, 2007.**
- The goal is to have answers available within 7 working days.
- *SITIS* will post questions that are pending replies and will follow-up with Topic Managers, if necessary.
- View *SITIS* Quick Scan (http://www.dodsbir.net/sitis/quick_scan.asp) daily to see which topics currently have Q&As or other information.
- Please do not use this system to ask general SBIR/STTR program questions. Call the DoD SBIR Help Desk at (866) 724-7457 (8 AM to 5 PM EST) or email SBIRHelp@brtrc.com.

<http://www.dodsbir.net/sitis/>