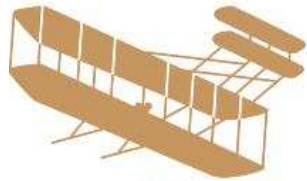




Air Force



SBIR/STTR



Kirt S. Moser
Technical Director, Space Division
HQ AFRL/XPS



Overview



SBIR = Small Business Innovation Research

- Program Baseline
- Process
- Critical Topics
- Funding
- The SBIR “Mall”
- Phase III
- Transition Challenge
- Summary



Purpose is to provide a “quick” snapshot of the multi-faceted program



Program Perspective



A Single \$360+ M Program . . .

SBIR



**. . . But executed as 500+ Single
Technology Projects per year**



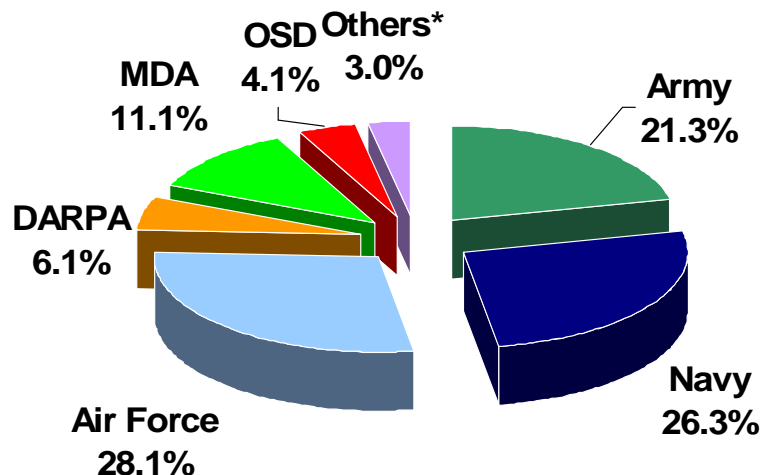
Big Picture Perspective



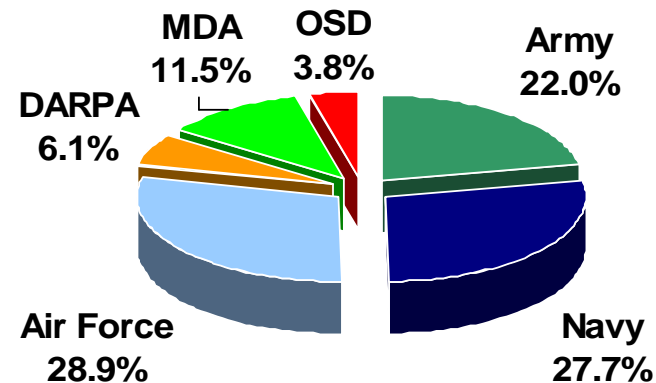
- The AF SBIR program is the largest SBIR program of any of the contracting federal agencies

- Army
- Navy
- Air Force
- DARPA
- MDA
- DTRA
- SOCOM
- OSD
- NGA
- CBD
- DLA
- DMEA

SBIR



STTR



Air Force – 16 operating locations – 10 TD and all Log and Test Centers

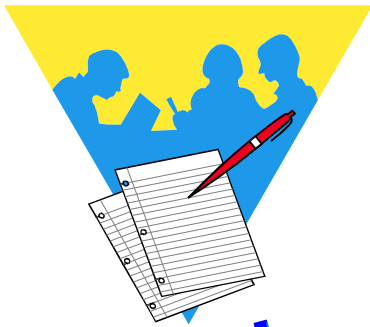


Air Force SBIR



Phase I

- Concept Feasibility
- ≤ \$100K
- 9 Months



Phase II Enhancement

- ≤ \$500K matching
- ≤ 1 Year

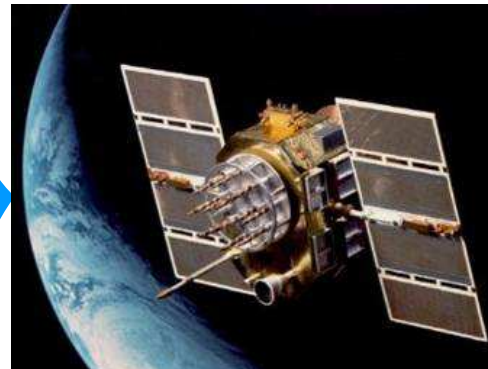
Phase II

- Concept Development
- ≤ \$750K
- 2 Years



Phase III

- Products ready for insertion
- **Not SBIR**



Fast Track





“Critical” Topics

Special

Air Force

SBIR/STTR



- “Critical” SBIR topic = 4 regular topics
- Multiple Phase I awards
 - Could be “grouped”
 - Could be different aspects of a larger effort
- One Phase II award
 - Does not follow recommended ceilings
 - Up to \$5M with gated options
 - Could be ≤ 2 years or > 2 years in duration
- Limited to 2 Critical Topics per PEO



Funding



- SBIR/STTR approximately \$370M in FY2008 –
 - Set asides for
 - Special Manufacturing Technology Topics (\$5-10M)
 - Quick reaction efforts to meet war fighter needs (\$5M)
 - Commercialization Pilot Program administration (\$3M)
 - CPP Phase II extension efforts (\$6.5M)
- RDT&E program elements are assessed the SBIR “tax”
 - AF allocates the number of topics to PEOs based upon their “relative tax assessment”
- Limit the number of topics per year
 - Multiple phase Is and at least one phase II per topic
 - Plus discretionary money for phase II extensions





Helping Others Help Us



- This year we will publish booklets
 - How to be a Good Sponsor POC
 - Intended to help the PEO Sponsor POC generate quality topics and increased effectiveness working with the Technical POC
 - How to be a Good Technical POC
 - Intended to help the AFRL Technical POC manage the topics and the phase I and II contracts as well as increased effectiveness working with the Sponsor POC
 - Continued additions and improvements to automated tools
- Booklets will be available at the SBIR Mall
 - www.sbirstttrmall.com



www.sbirsttrmall.com

Air Force

SBIR/STTR



VIRTUAL SHOPPING MALL



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WHAT'S NEW

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**3rd Quarter 2005 SBIR Advantage
Newsletter now in Electronic Library -
9/29/2005**

**Air Force SBIR 06.1 Topic Pre-Release
Now Available - 8/15/2005**

Enter your email to be added to our mailing list:

Submit



Today's Small Business Technologies for Tomorrow's Missions



Tools for Primes and Their Vendors



- Shopping Mall
 - Store fronts provide
 - Basic company information
 - Contact info on Prime's SBIR "go to" person
 - Hot links to preferred company web site
 - Topic Submission Module
 - Allows for primes and their chain of suppliers to submit "ideas" for potential topics
 - Technology Mall
 - Listing of detailed information on all AF managed SBIR & STTR topics
 - Developing a multi-layer taxonomy for easier identification





What's Phase III



☞ “Phase III refers to work that derives from, extends, or logically concludes effort(s) performed under prior SBIR funding agreements, but is funded by sources other than the SBIR program. Phase III work is typically oriented towards commercialization of SBIR research or technology”

SBA SBIR Policy Directive, Section 4, Competitively Phased Structure of the Program, para (c)



SBIR Phase III Contracting Nuances

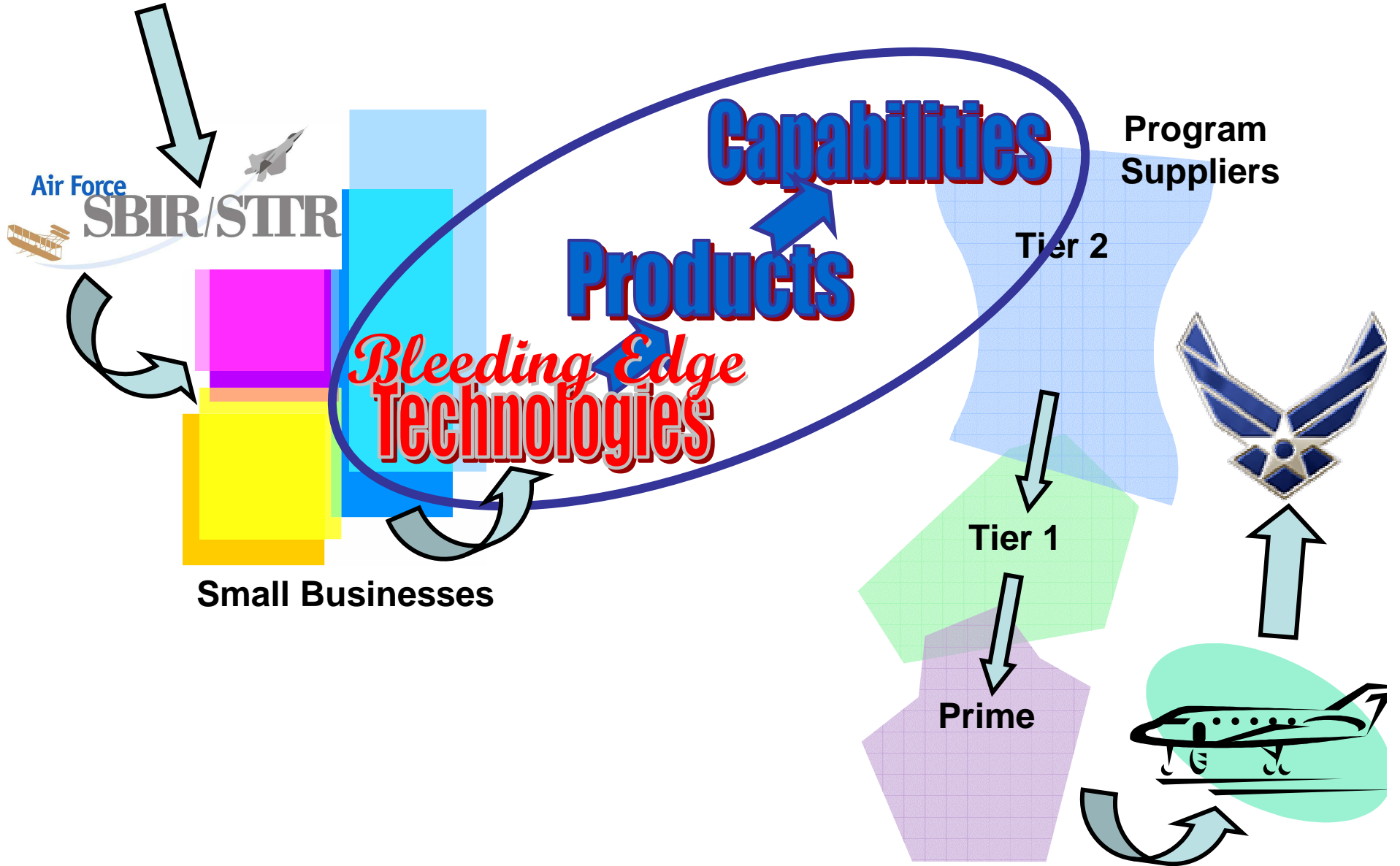


- (c) Phase III (2) – A Phase III award is, by its nature, an SBIR award, has SBIR status, and must accord SBIR data rights.
- (c) Phase III (3) – Competition for SBIR Phase I and Phase II awards satisfies any competition requirement of the Armed Services Procurement Act, the Federal Property and Administrative Services Act, and the Competition in contracting Act.
- (c) Phase III (7) - Congress intends that agencies ... or government prime contractors that pursue R/R&D or production developed under the SBIR program, give preference, including sole source to the awardee who developed the technology.
- (c) Phase III (8) – agencies ... that pursue R/R&D, production or services ... of a technology developed by a SBIR awardee, with an entity other than that SBIR awardee, must notify SBA in writing prior to such an award.

Source: SBA SBIR Policy Directive 2002



Technology Transition Ultimate Challenge





CPP



- Commercialization Pilot Program
 - Works with PEOs to identify needs
 - Searches ALL active SBIR phase II efforts
 - Due diligence on applicability
 - Brings PEO, Prime, small business and AFRL TPOC together
 - Identifies what remains to be done (tech dev)
 - Uses CPP “toolkit” for resources
 - Identifies responsibilities of each party
 - SBIR Technology Transition Plans (STTP)
- Briefed to SMC/XR and the Wings last week

AFRL CPP Lead: Mr. Richard Flake: richard.flake@wpafb.af.mil



Take Away



- SBIR can help the PEO fill future technology needs
- SBIR is an important element in the Lab's S&T Strategy
- Typical 5 to 7 year lead time
- Technology maturity at phase II graduation varies
- Commercialization Pilot Program - Important that prime and chain of suppliers are involved
- Respect special intellectual property rights of the small business

“Overall SBIR Program has been Successful...
...non-commercial success may not be adequately recognized”



Conclusion



Reasonable topics



In bite sized pieces

Lead to innovations transitioned into operational use



AFRL SBIR POC:
Mr. Stephen Guilfoos
Stephen.Guilfoos@wpafb.af.mil