



Air Force Small Business Innovation Research (SBIR) / Small Business Technology Transfer Program (STTR)



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Overview

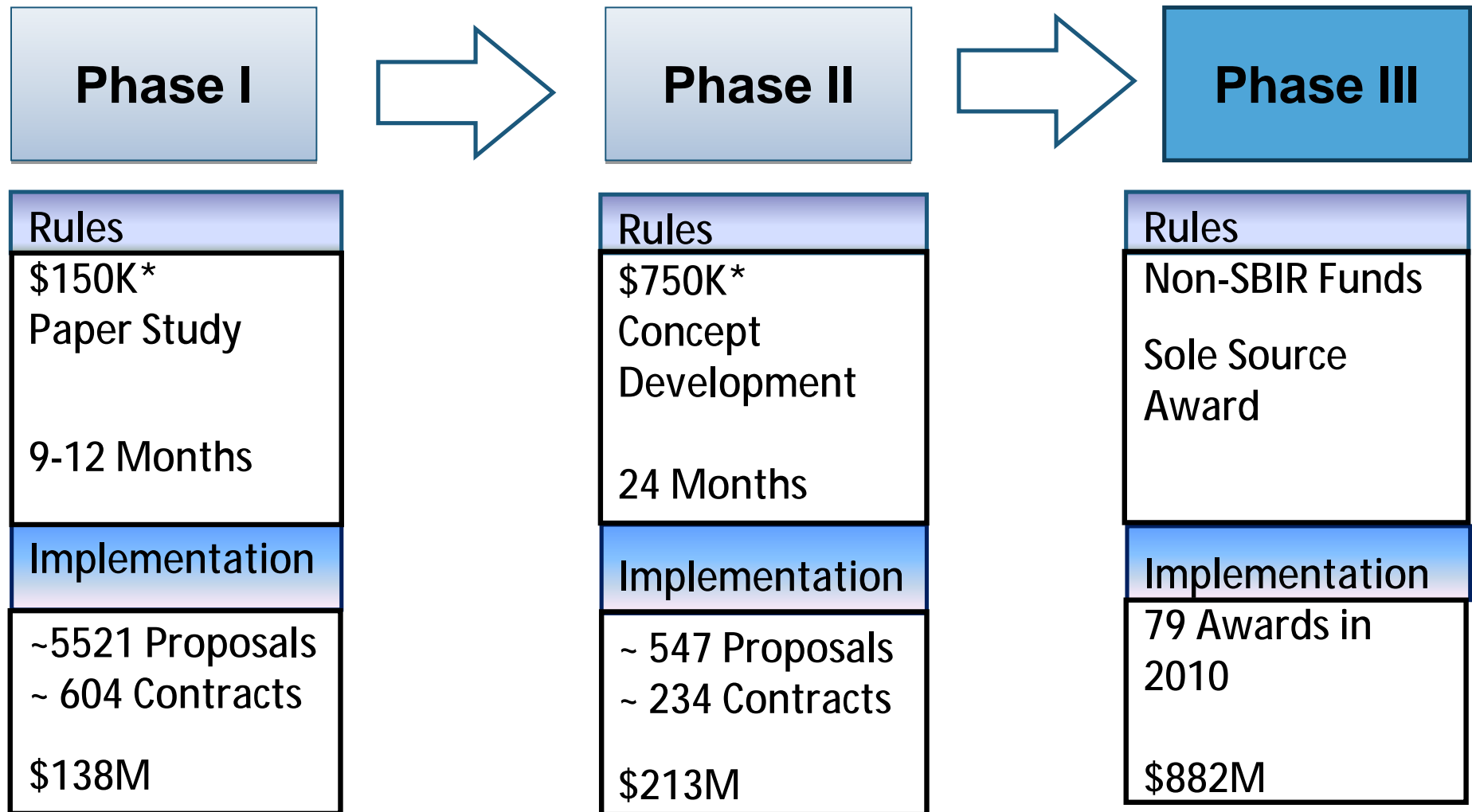


- **SBIR/STTR Program Overview**
- **AF Commercialization Pilot Program**





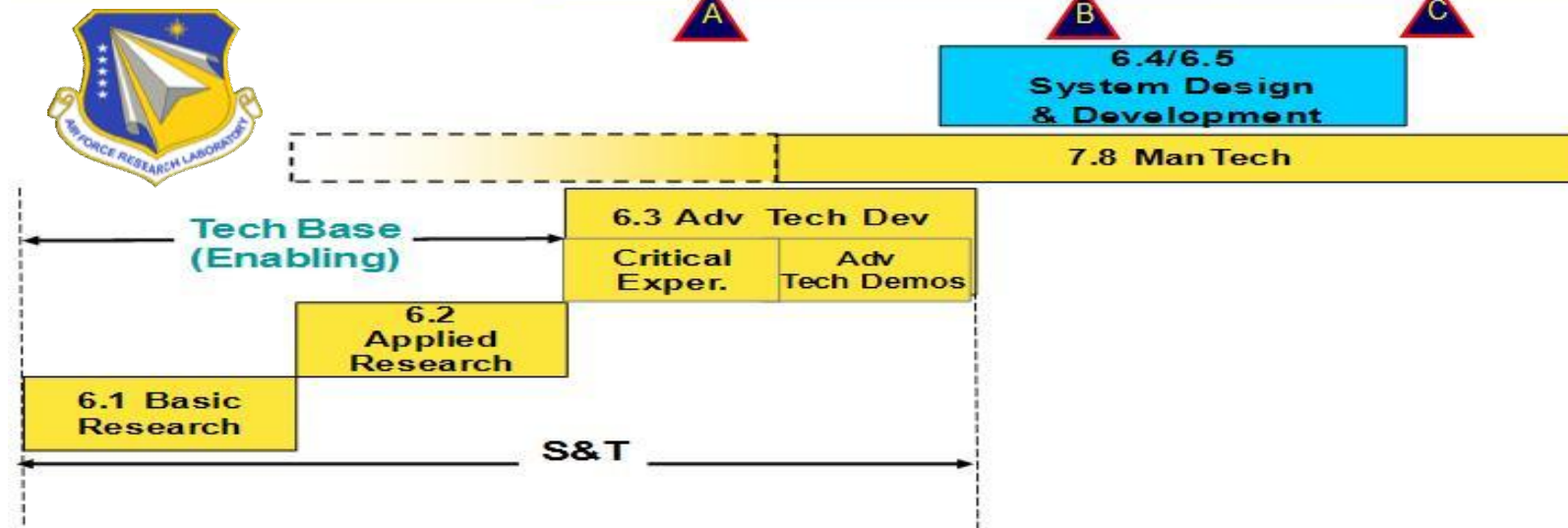
Small Business Innovation Research (SBIR) - \$337M Small Business Technology Transfer (STTR) - \$40M



*Air Force will begin implementing new Ph I Award thresholds (\$150K) in FY 2011 and new Ph II (up to \$1M) thereafter.



SBIR/STTR's Role in Air Force Acquisition



SBIR/STTR



Concept Feasibility
\$100K, 9 months

Concept Development
\$750K, 24 Months

Product Insertion
Non SBIR/STTR \$



SBIR/STTR's Role in Air Force Acquisition



TRL 1 Basic Principles Observed	TRL 2 Concept Formulation	TRL 3 Proof of Concept	TRL 4 Breadboard in Lab	TRL 5 Breadboard in Rep Environment	TRL 6 Prototype in Rep Environment	TRL 7 Prototype in Ops Environment	TRL 8 System Qual	TRL 9 Mission Proven
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SBIR/STTR





Air Force SBIR Commercialization Pilot Program (CPP)



CPP is integral to the success of accelerating SBIR transition

- Created in Sec 252a of FY06 Nat'l Defense Auth Act
- Allows 1% of SBIR budget to administer program

AF CPP is designed to align and leverage SBIR

- **Transition Agents (Ktrs) are assigned to each PEO XR to establish connections between PEO SMEs & AFRL S&Es**
 - Support Topic Generation and Planning for SBIRs
- **Conducts SBIR Technology Interchange Workshops**
- **Develops SBIR Technology Transition Plans (STTPs)**



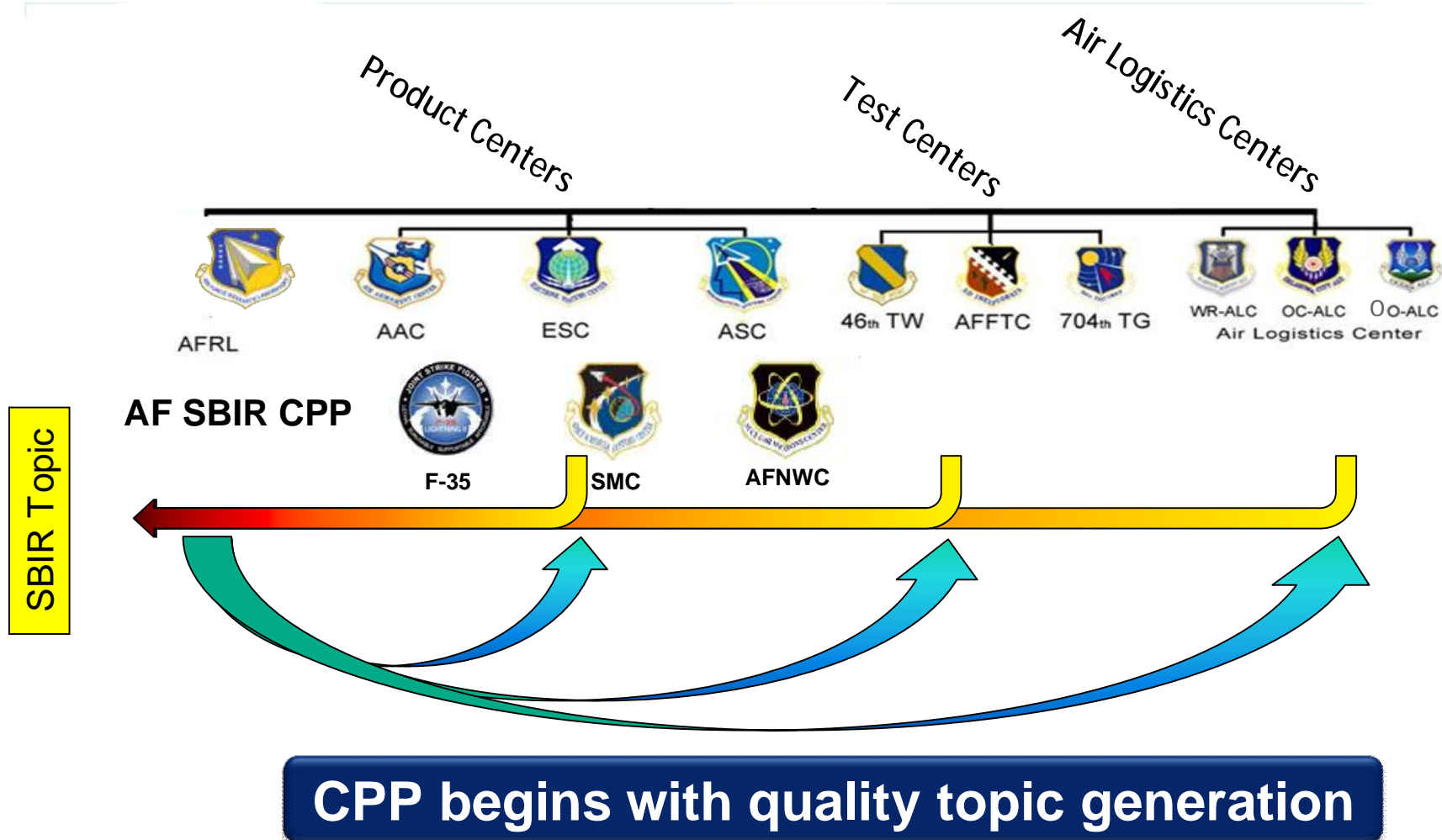
AF SBIR Technology Transition Plans (STTPs)



- **Agreements (non-contractual) between the TPOC, SBIR firm, Major contractors that are interested in transitioning the SBIR work, and the operational user (SPO/ALC)**
- **STTPs outline key elements of transition path**
 - Roles & responsibilities of prime/small ktrs, AFRL, PEO
 - Current TRL/MRL of SBIR Phase II project
 - TRL/MRL levels required for transition
 - Financial strategy & unfunded requirements
 - Intellectual property
 - Risk and mitigation
- **STTPs leverage funding from SBIR Extensions or Enhancements, Industry matching or PEO planned POM funding sources**
- **Transition Agents support STTP development**
 - ID potential sources to address unfunded requirements

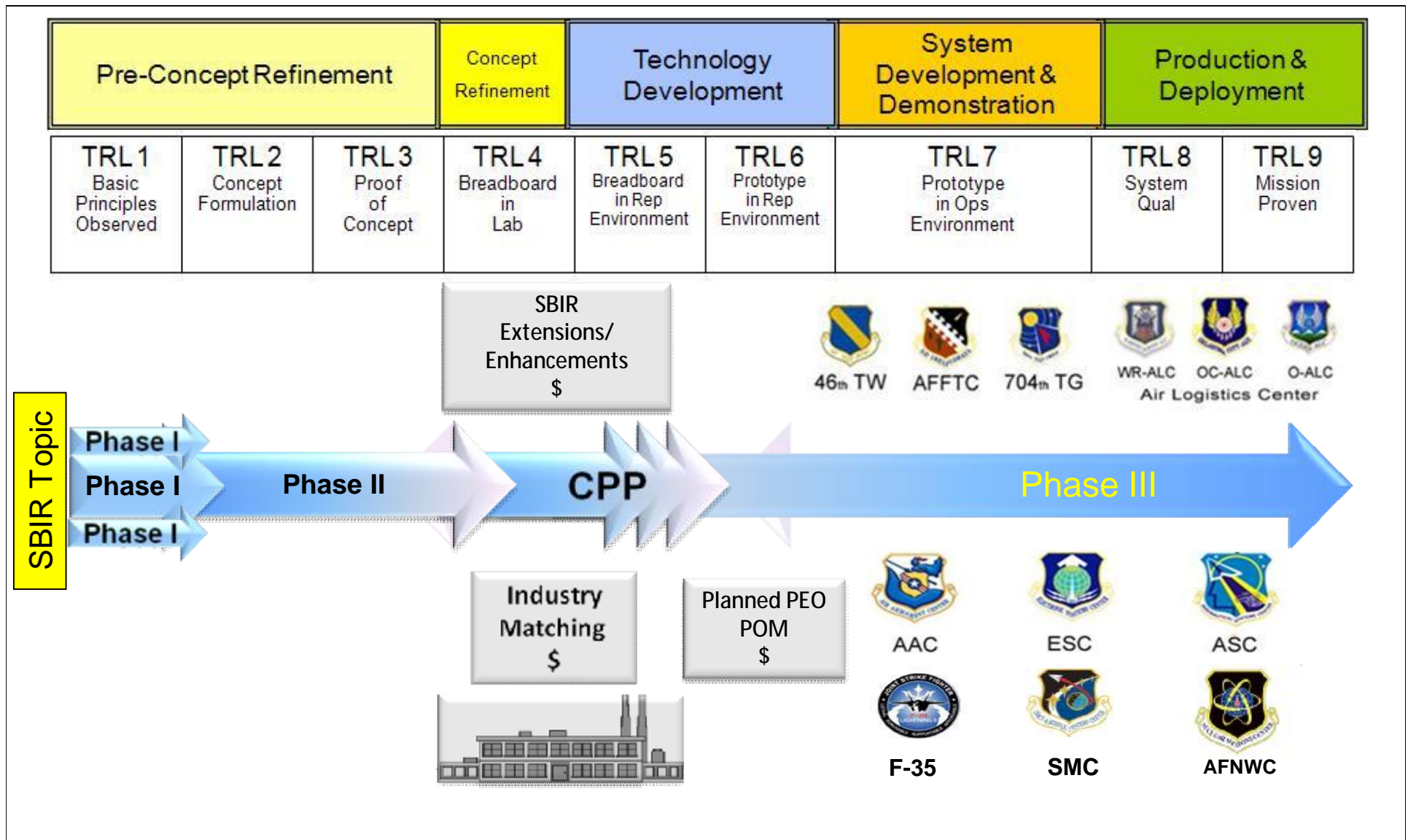


AF CPP Involvement in Early Topic Generation





Air Force SBIR CPP Operating Construct





Air Force CPP Results



- **AF CPP widely supported by industry since 2007**
 - Addresses AF prioritized near-term tech-based needs
 - IDs SBIR technologies of mutual interest
 - 13 CPP events in conjunction w/IR&D workshops
 - 17 CPP workshops hosted by prime contractors
- **75 STTPs are active**
 - 40 STTPs currently funded
 - CPP funds leveraged \$169M addtl funds - a 5:1 return
 - 11 funded STTP projects fielded or in operational demos
 - 35 STTPs in process
- **CPP funds allow the Air Force to develop, track, and plan for the transition of key SBIR Technologies**



Summary



The Air Force SBIR Program works to accomplish the Congressional Goals of the SBIR Program and supports the Air Force as an integral part of AFRL's overall technology development Mission

