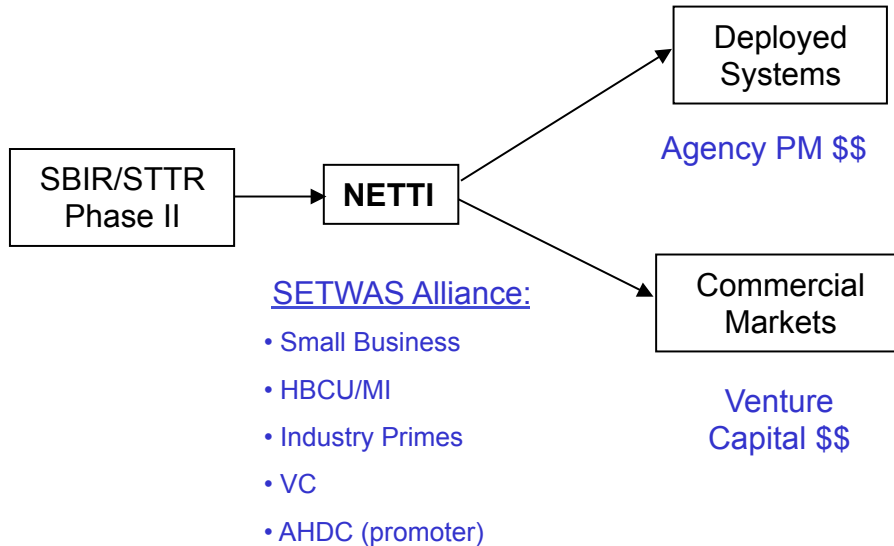


NETTI : Pilot Program

National Emerging Technology Transition Institutes (NETTI)

American Heritage Defense Corporation (AHDC)
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SETWAS Alliance: Science, Engineering, Technology and Workforce for America’s Security (SETWAS) Alliances are constituted by stakeholders who share a common interest in broadening the base of America’s continued preeminence in science and technology. Alliance partners will staff NETTI with expertise and infrastructure and provide opportunities for students and faculty at the host institution to participate in the development of new and innovative technologies.

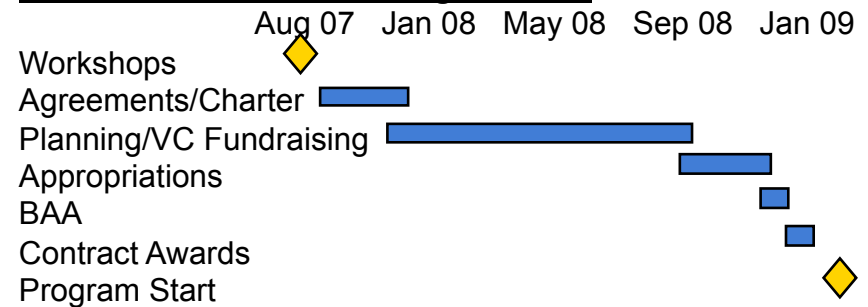
Broader Impact: The applied research activities necessary for transitioning emerging technologies into practical applications coupled with internship programs linked to undergraduate and graduate curricula at the host institution will provide the training ground for future scientific and technological work force.

Goal: To rapidly transition emerging technologies from the demonstration stage to deployed systems applications and commercial markets while at the same time broadening the base of production of America’s future workforce in science, engineering and technology.

Objective of Pilot Program: To establish the first of a network of applied research institutes dedicated to the transitioning of emerging technologies from the demonstration stages to applications that are deployable in defense and homeland security systems as well commercial markets.

Approach: 1. Identify promising SBIR/STTR Phase II candidate technologies; 2. Form SETWAS Alliance; 3. Plan Pilot NETTI Activities; 4. Raise VC funding and federal appropriations; 5. Implement Pilot NETTI Program.

Tasks and Schedule for Program Start:



Seed Funding Budget: \$TBD/18 Mo. Effort

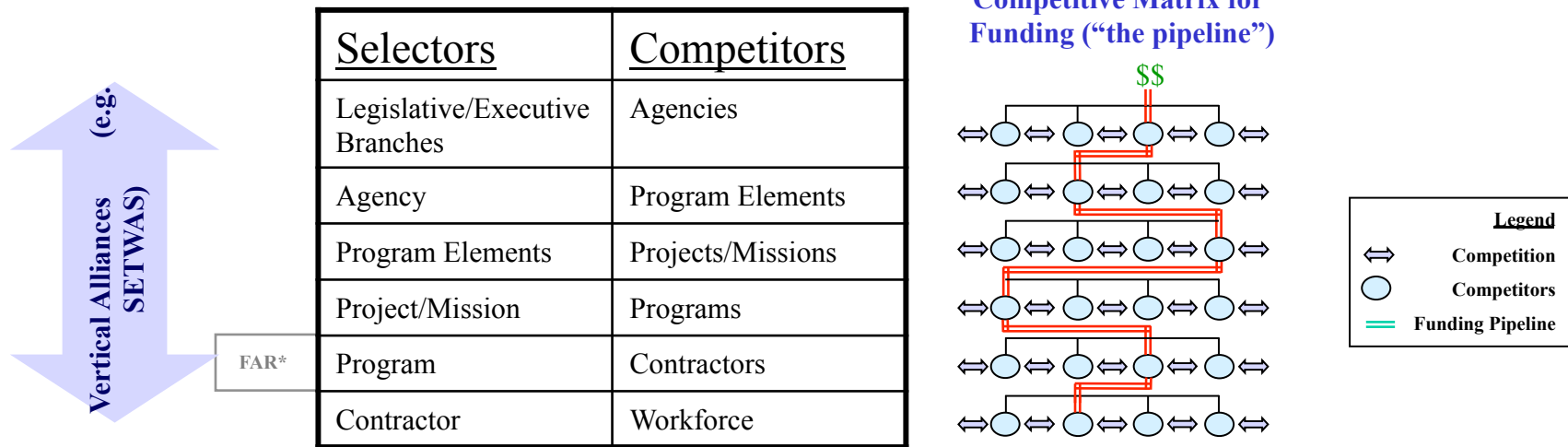
Seed Funding Sources: Government/Industry/VC/Other

SETWAS Alliance Stakeholder Matrix

SETWAS Alliance Stakeholders	Benefits	Responsibilities
Lawmakers (Senate/ Congress)	<ul style="list-style-type: none"> • Support Constituencies • Strengthen National Defense & Economic Security • Workforce/Entrepreneurship Diversity 	<ul style="list-style-type: none"> • Authorize Legislation • Appropriate Funding • Enact New Legislation
Federal Agency Program Managers/Contracting Officers	<ul style="list-style-type: none"> • Support/Advance Programs • Compliance with 10 USC 2323 • Technology Risk Reduction 	<ul style="list-style-type: none"> • Provide Seed Funding • Execute Programs • Award Contracts
State/Local Governments	<ul style="list-style-type: none"> • Economic Development • Workforce Development • Increased Federal Dollars 	<ul style="list-style-type: none"> • Provide Incentives & Seed Funding • Contribute Infrastructure • Enact New Legislation
HBCU/MI	<ul style="list-style-type: none"> • Increased Federal Dollars • Develop/Advance Institution • Produce Competitive Graduates 	<ul style="list-style-type: none"> • Desire/Cooperate with Alliance Structure • Develop Appropriate Infrastructures • Promote Student/Faculty Internships
Industry Primes	<ul style="list-style-type: none"> • Compliance with 10 USC 2323 • Workforce Development • Technology Risk Reduction 	<ul style="list-style-type: none"> • Provide Seed Funding • Participate in Programs • Award Subcontracts
Small Business	<ul style="list-style-type: none"> • Funding for Commercialization • Workforce Development • Business Development/Growth 	<ul style="list-style-type: none"> • Participate in Programs • Share Intellectual Property • Mentor Students
Venture Capitalists (VC)	<ul style="list-style-type: none"> • Investment Opportunities • Access to Lucrative New Start Ups • Leverage Federal Dollars=Less Risk 	<ul style="list-style-type: none"> • Provide Seed Funding & Working Capital for Commercialization of Emerging Technologies

Federal Contracting Opportunities

– Fundamentals of the Funding Pipeline



*FAR = Federal Acquisition Regulations

Notes:

- Organizations/citizens compete on the basis of technical expertise and political advocacy.
- 10 USC 2323 goal is basis for HBCU/MI political advocacy.
- However, HBCU/MI may not yet be fully plugged into pipelines due to limited extramural applied research efforts.
- Potential beneficiaries of HBCU/MI advocacy are elements within the matrix that assist HBCU/MI to get on board.
- Some HBCU/MI are prepared to cooperate with industry to acquire the expertise necessary to be competitive, others are not.
- Involvement of HBCU/MI students in technology development efforts is vital for supply of future scientists and engineers.