



**Department of Homeland Security Office
of the Chief Procurement Officer**

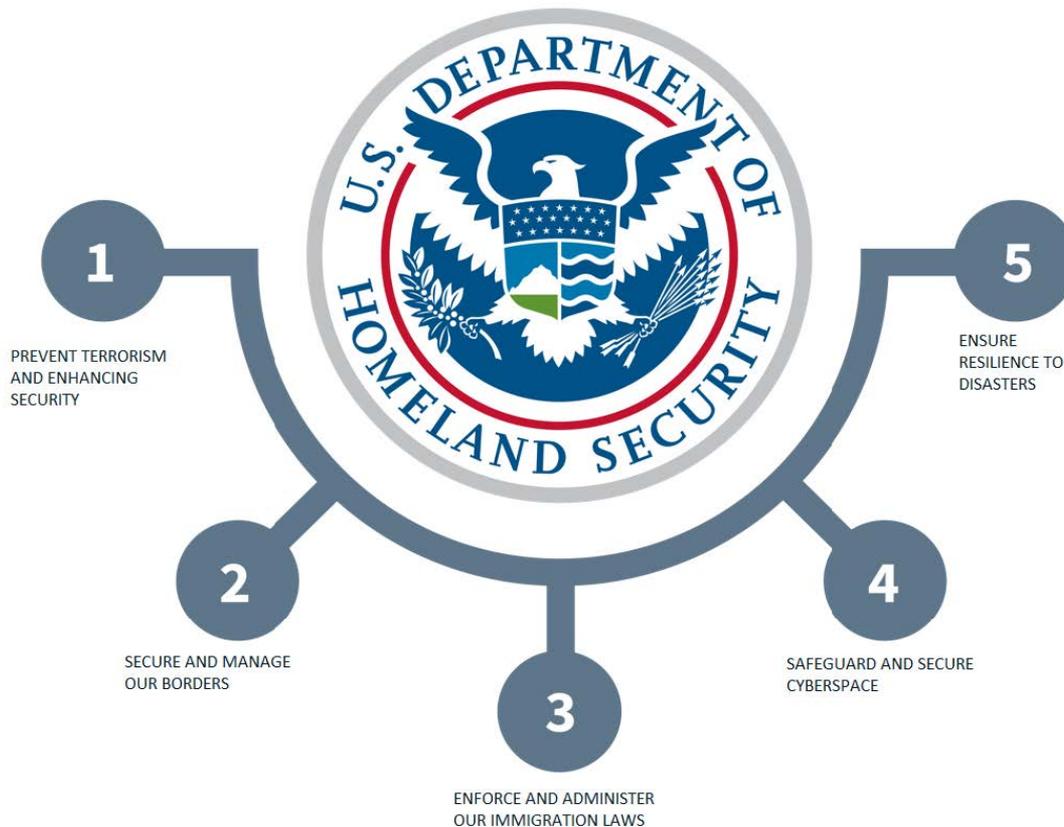
Acquisition Innovation in Motion
2016 Strategic Industry Day

October 20, 2016

S&T MISSION

To deliver effective and innovative insight, methods and solutions for the critical needs of the Homeland Security Enterprise.

DHS FIVE MISSION AREAS



S&T Visionary Goals

Guiding R&D Investment and the Path to Innovation



RESPONDER OF THE FUTURE

Protected, Connected, and Fully Aware



RESILIENT COMMUNITIES

Disaster-Proofing Society



ENABLE THE DECISION MAKER

Actionable Information at the Speed of Thought



TRUSTED CYBER FUTURE

Protecting Privacy, Commerce, and Community



SCREENING AT SPEED

Security that Matches the Pace of Life



Integrated Product Teams

In 2015, Secretary Johnson reintroduced IPTs to learn the needs of components and drive capability development. The IPTs convene mission-focused teams of component operators and DHS technical experts in key threat areas.



**ENHANCE
SECURITY**



**PREVENT
TERRORISM:
CB/RN**



**PREVENT
TERRORISM**



**SECURE
BORDERS**



**SECURE
CYBERSPACE**



**INCIDENT
MANAGEMENT**

APEX PROGRAMS

S&T's Apex Programs identify and share subject matter expertise, technical solutions and tools, best practices, lessons learned, and reusable products and solutions on behalf of Apex and other S&T projects.



FLOOD APEX



**NEXT GENERATION CYBER
INFRASTRUCTURE**



**BORDER SITUATIONAL
AWARENESS**



**SCREENING
AT SPEED**



**AIR ENTRY & EXIT
RE-ENGINEERING**



**REAL TIME
BIODEFENSE**



**NEXT GENERATION
FIRST RESPONDER**

APEX TECHNOLOGY ENGINES

HSARPA's Engines identify and share subject matter expertise, tailored solutions, best practices, lessons learned, and reusable products and solutions on behalf of Apex and other S&T projects.



**DATA
ANALYTICS**



**SITUATIONAL AWARENESS
& DECISION SUPPORT**



**COMMUNICATIONS
& NETWORKING**



**MODELING &
SIMULATION**



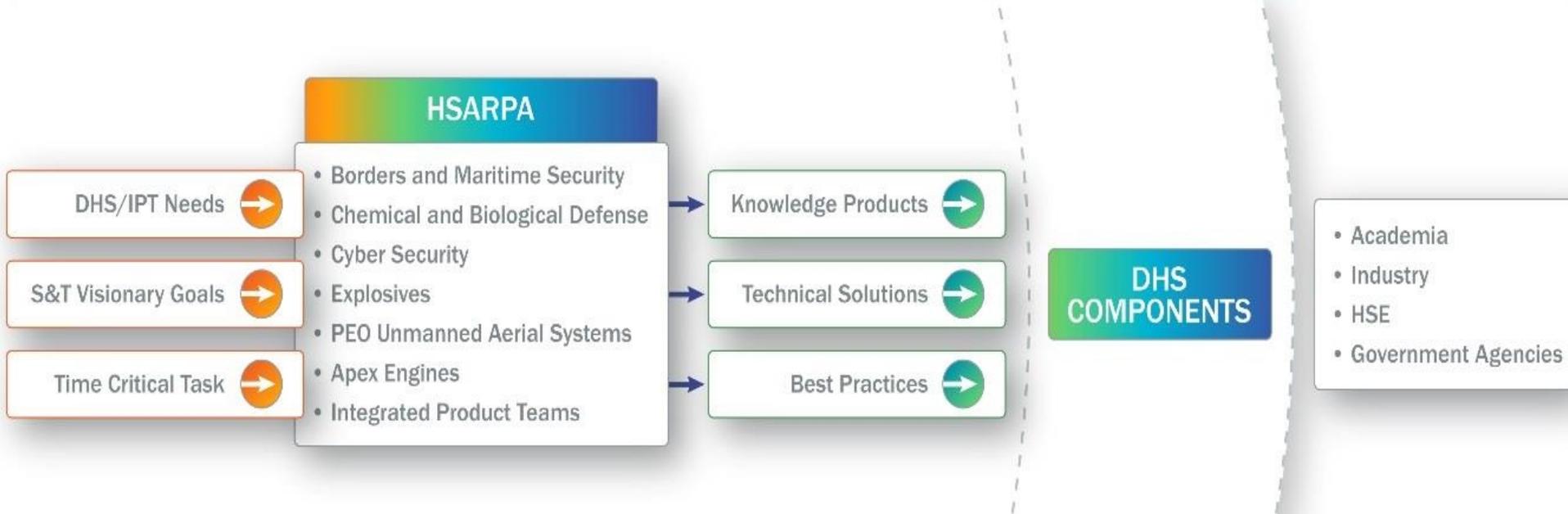
**IDENTITY & ACCESS
MANAGEMENT TECHNOLOGY**



**BEHAVIORAL, ECONOMIC
& SOCIAL SCIENCE**

Homeland Security Advanced Research Projects Agency (HSARPA)

HSARPA in Motion



HSARPA Vision: Trusted broker and advisor to DHS for addressing scientific and technical challenges in homeland security.

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S&T Data Analytics Engine



Stephen Dennis

Data Analytics Engine Director
HSARPA

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DHS S&T First Responders Group

field testing emergency management interoperability
mission-critical voice and data search & rescue training resources
SAVER research & development requirements
WIRELESS EMERGENCY ALERTS LMR-LTE
fire service rad-nuc law enforcement
tracking EXPLOSIVES situational awareness
personal protective equipment NEXT GENERATION FIRST RESPONDER
of things internet

Dave Hart

Acting Deputy Director

First Responders Group

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S&T
**NATIONAL
CONVERSATION**
ON HOMELAND SECURITY TECHNOLOGY

**JOIN THE CONVERSATION.
BE THE FUTURE OF R&D.**

<http://scitech.dhs.gov>



**Homeland
Security**

Science and Technology

START TALKING

Today!

Doing Business with S&T

S&T seeks to engage innovators and a wide variety of performers to develop science and technology solutions that address real-world threats and hazards.

- **S&T's Long Range Broad Agency Announcement** – provides open invitation to scientific and technical communities to fund pioneering R&D projects
- **S&T's Small Business Innovation Research Program** - awards funds to small businesses to quickly commercialize and deliver operational prototypes
- **EMERGE Accelerator Program** – taps the startup community for novel ideas and new technologies
- **Prize Competitions** - incentivizes non-traditional performers to propose innovative solutions
- **SAFETY Act** – offers liability protections for qualified anti-terrorism technologies
- **Technology Transfer and Commercialization (T2C) Program** – promotes the transfer and exchange of technology with industry, academia, & government and applies business intelligence to facilitate the transition of products into the commercial marketplace.
- **Silicon Valley Innovation Program** – engages investors and technology innovators of all types to solve pressing homeland security challenges

Engage With Us!



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