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PUTTING FIRST RESPONDERS FIRST

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SCIENCE AND TECHNOLOGY



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EVENT # 0800

TechSolutions Solutions for First Responders

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First Responder Technologies

Science and Technology Directorate

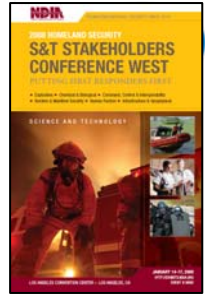
Department of Homeland Security

“Putting First Responders First”



**Homeland
Security**
Science & Technology

What is TechSolutions?



The mission of TechSolutions is to rapidly address technology gaps identified by Federal, State, Local, and Tribal first responders

- Field prototypical solutions in 12 months
- Cost should be commensurate with proposal but less than \$1M per project
- Solution should meet 80% of identified requirements
- Provide a mechanism for Emergency Responders to relay their capability gaps
 - Capability gaps are gathered using a web site (www.dhs.gov/techsolutions)
- Gaps are addressed using existing technology, spiral development, and rapid prototyping
- Emergency Responders partner with DHS from start to finish



Homeland
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TechSolutions Web Page



DHS | S&T Tech Solutions - Microsoft Internet Explorer

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Address http://www.dhs.gov/xfrstresp/training/gc_1174057429200.shtm

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National Threat Advisory:
ELEVATED

Significant Risk Of Terrorist Attacks

The threat level in the airline sector is **High** or **Orange**. Read more

S&T Tech Solutions

The TechSolutions Program was established by the Department of Homeland Security's Science and Technology Directorate to provide information, resources and technology solutions that address mission capability gaps identified by the emergency response community.

The goal of TechSolutions is to field technologies that meet 80% of the operational requirement, in a 12 to 15 month time frame, at a cost commensurate with the proposal but less than \$1 million per project. Goals will be accomplished through rapid prototyping or the identification of existing technologies that satisfy identified requirements.

Only first responders are eligible to submit capability gaps to the TechSolutions web site (Please, no unsolicited proposals or grant requests). If you are a first responder who has identified a capability gap that impacts multiple departments or sectors of the first response community or has an idea that would aid fellow first responders in doing their job faster, safer, and more efficiently, please relay your idea or capability gap to the DHS TechSolutions Program using the email link below. Submissions should be 3 typed pages or less, created in Microsoft Word, using Arial Regular 10pt font. Please include your contact information so that we may update you on the status of your submission.

The TechSolutions e-mail address is techsolutions@dhs.gov.

TechSolutions is not the appropriate forum for vendors to submit product ideas. Vendors who have a technology or product idea that may be of interest to the Department should communicate their idea to the Department's unsolicited proposal Web site http://www.dhs.gov/xopnbiz/opportunities/editorial_0617_shtm.

TechSolutions is not the appropriate forum for agencies or departments seeking grant assistance for technologies that already exist. Agencies or departments seeking grant assistance should visit www.grants.gov or contact their State Administrative Agency at www.ojp.usdoj.gov/odp/contact_state.htm.

This page was last modified on October 5, 2007

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[Science & Technology Directorate](#)

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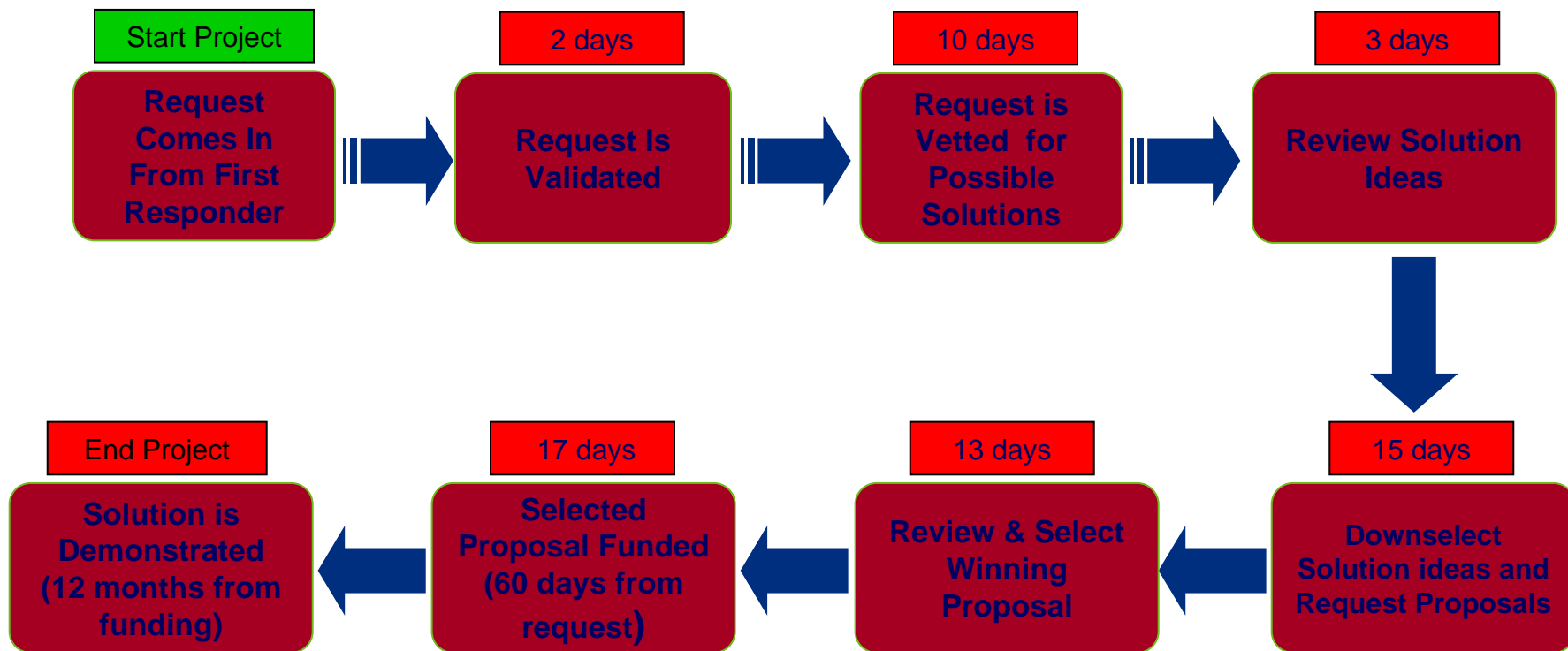
Local Intranet

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TechSolutions Review Process



Submitter and Technical Experts involved throughout



Homeland Security

TechSolutions Investments



Customer	Project Name	Status
Border Patrol	Carrizo Cane	Funded
Fire Service	3-D Personnel Location	Funded
EMT	Ocular Scanning	Funded
Coast Guard	Biometric Identification	Funded

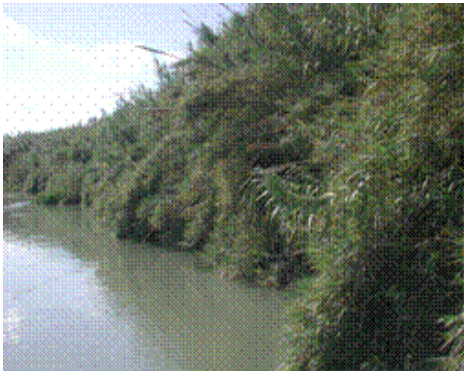


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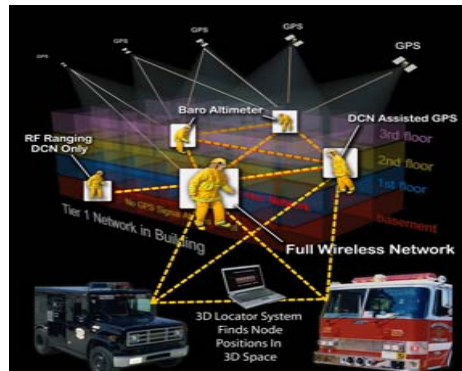
TechSolutions Investments



Carrizo Cane Eradication



3-D Location



Ocular Scanning



Biometric Identification



U.S. DEPARTMENT OF
HOMELAND SECURITY
**Homeland
Security**

Technologies Under Consideration



Next Generation Breathing Apparatus



Fire Ground Compass



Interoperable Communications



Vital Sign Monitoring



Vehicle Mounted Chem/Bio Sensor Detection



Questions?



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