

First Responder Technologies (R-Tech)

Tech Clearinghouse TechSolutions

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**Homeland
Security**

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

Rapid Technology Development

Target: Solutions Fielded within 1 year, at ~<\$1M



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TechSolutions Investments

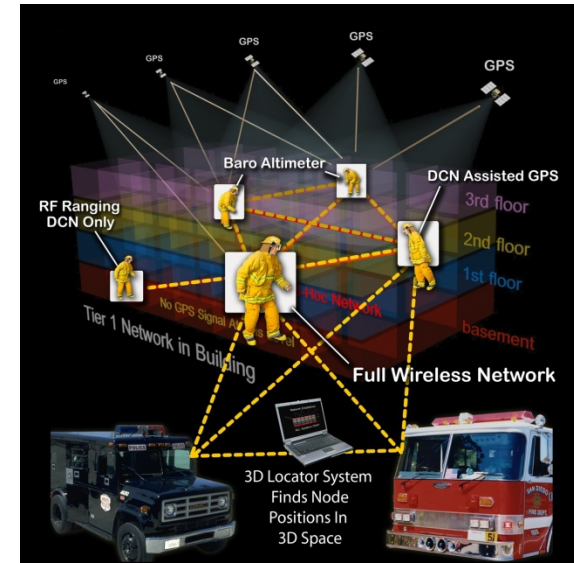
Next Generation Breathing Apparatus



Ocular Scanning Nerve Agents/Toxic Gases



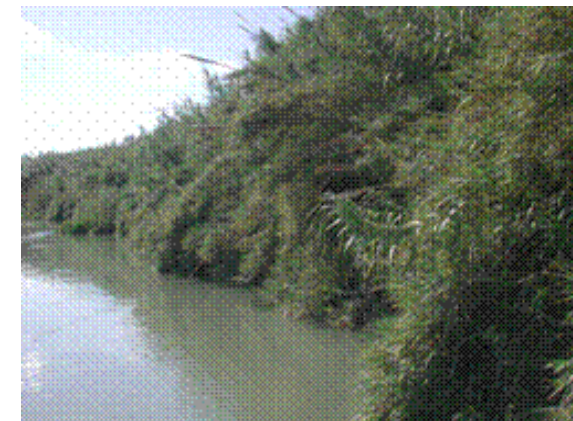
3-D Location



Fire Ground Compass



Carrizo Cane – Bio Agent



Biometric Identification





TechSolutions Investments

Patient Triage Mass Casualty Vital Sign Monitoring



Interoperable Communications



Seatbelt Safety

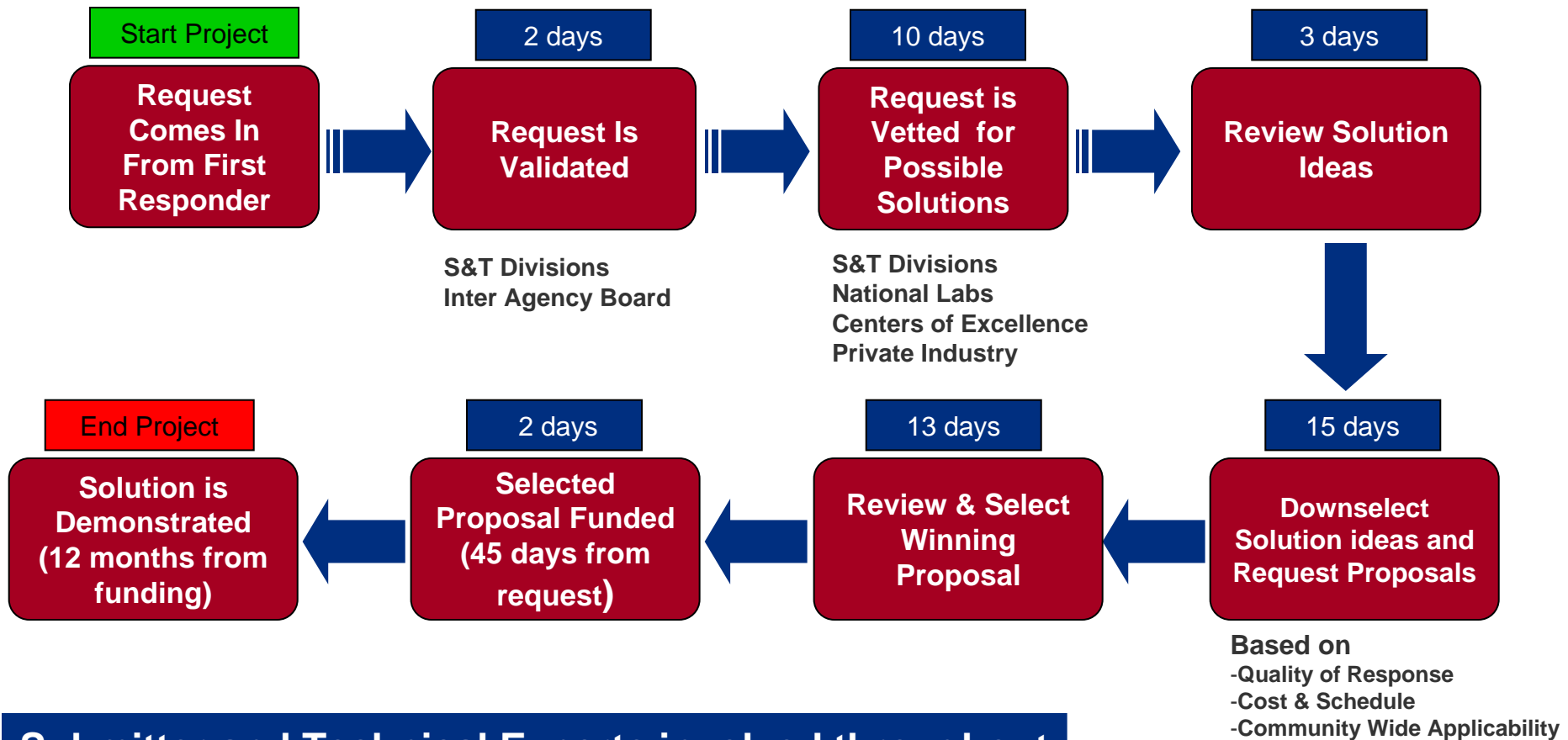


Vehicle Mounted Chem/Bio Sensor Detection



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TechSolutions Review Process



U. S. COAST GUARD INNOVATION



IMPROVING MISSION EXECUTION
AND SUSTAINMENT