

FirstLink

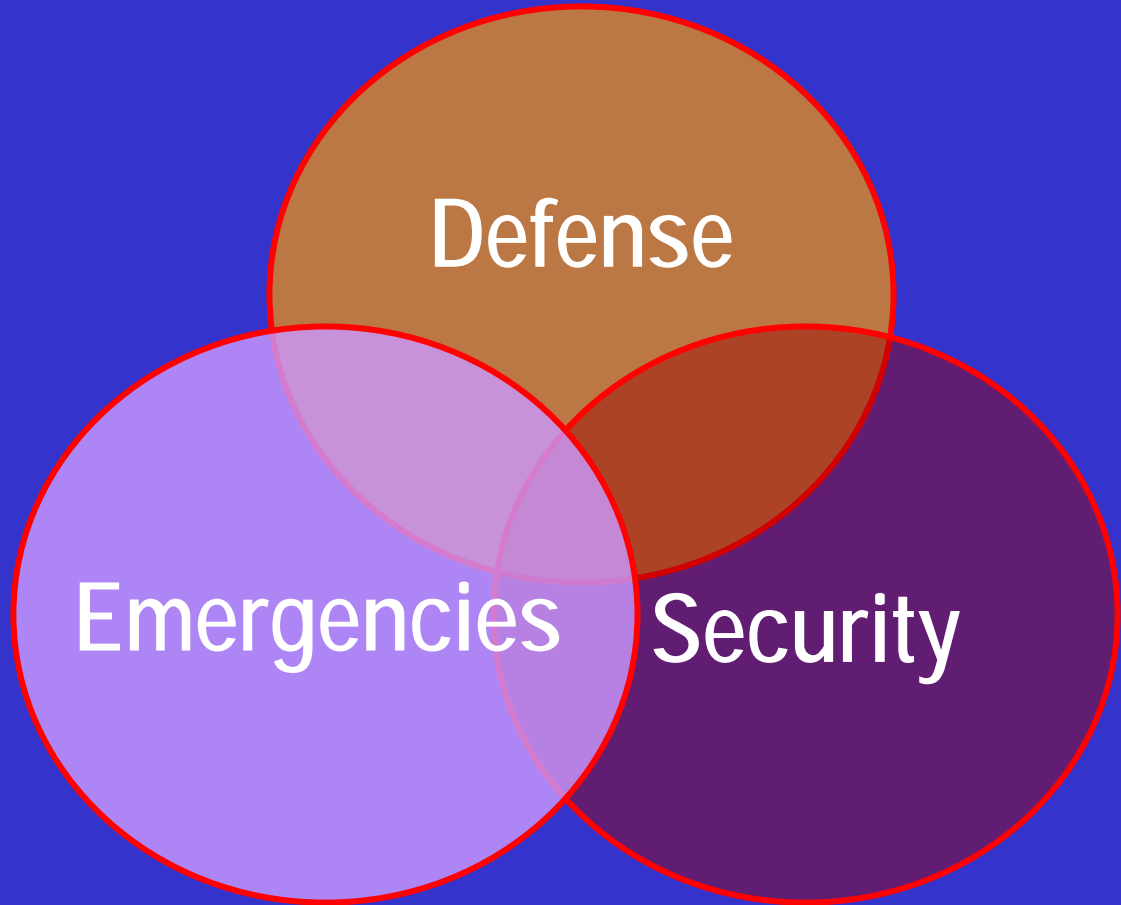


The Department of Defense
National Center of Excellence for First Responder
Technology Transfer

Presents

**“A Partnership Intermediary -
Success through Focus”**

● Targeting a Focus Area





Technology Transfer



Labs
DoD
Warfighters



Technology Transition



Dual Use



Spanning a Life Cycle



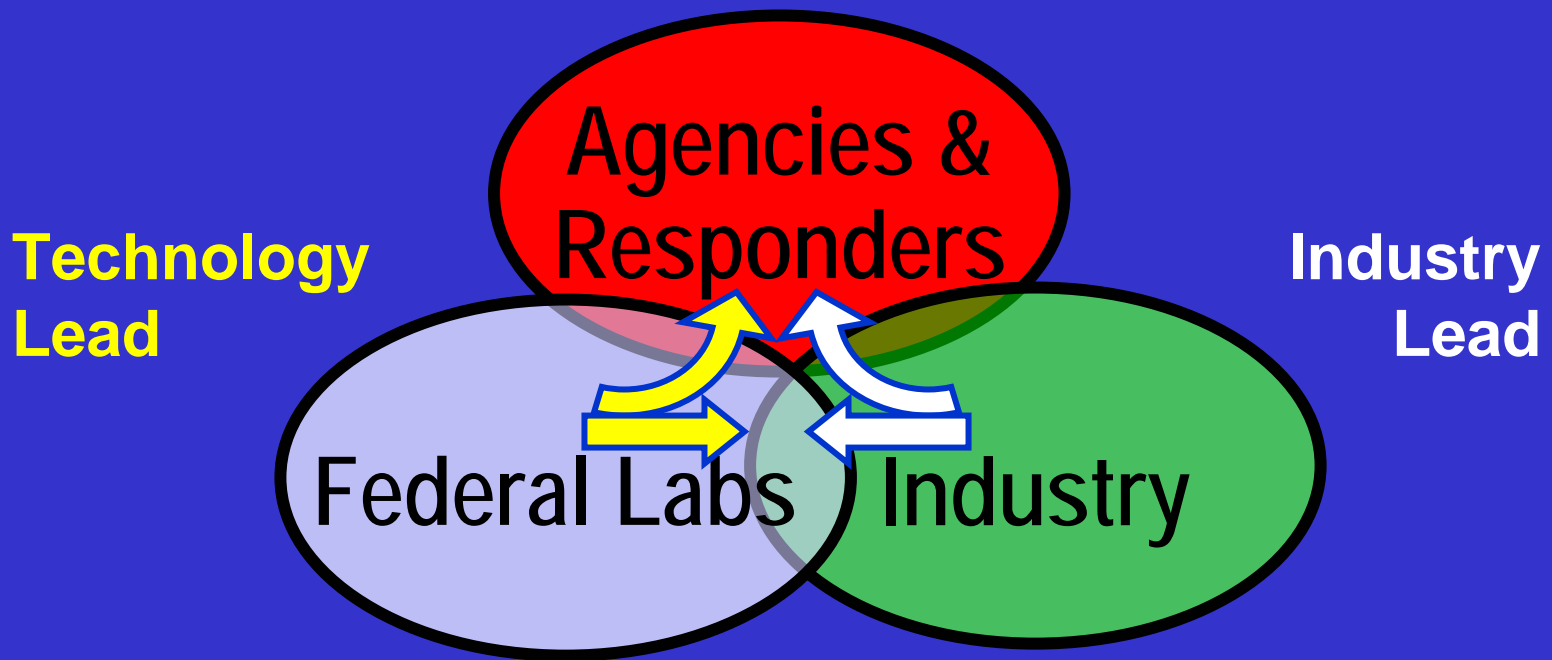
-- FEMA

Source www.FEMA.gov



Goal

Transfer and transition of DoD technology that can address emergency and security needs



Needs-Driven Approach

Examples:

Top 20
First
Responder
Needs

DHS S&T Division
Capstone IPT
High Priority
Technology Areas



Inter-jurisdictional Communications (Voice, Data, Video)
Use of the Incident Command System (ICS)
Detection - Chemical / Biological Sensors - Analysis
Planning and Coordination at all Levels of Govt./Regional
ICS Training and Exercises
Conduct Multi-jurisdictional Exercises
Incident Access Control System
Personnel Tracking (Command and Control, Rescue)
Greater Range of Wireless Communications Tools (Palm Pilots, Portable Radios, Cell Phones, Laptops)
Distance Learning for ICS Training and Simulation
Command Post/EOC Upgrades-voice & Data / Communication Links
Integration and Access of Databases During Critical Incidents
Pre-determined Disaster Plan
Critical Infrastructure Protection Plans - Technical Assistance
Intelligence and Information Sharing on Potential Threats
Body Protection From All Hazards
Surveillance Equipment
Inter-disciplinary Planning (include NG) - All Hazards Response
Risk Awareness and Assessment
Ensembles for Biological Threats and Incidents

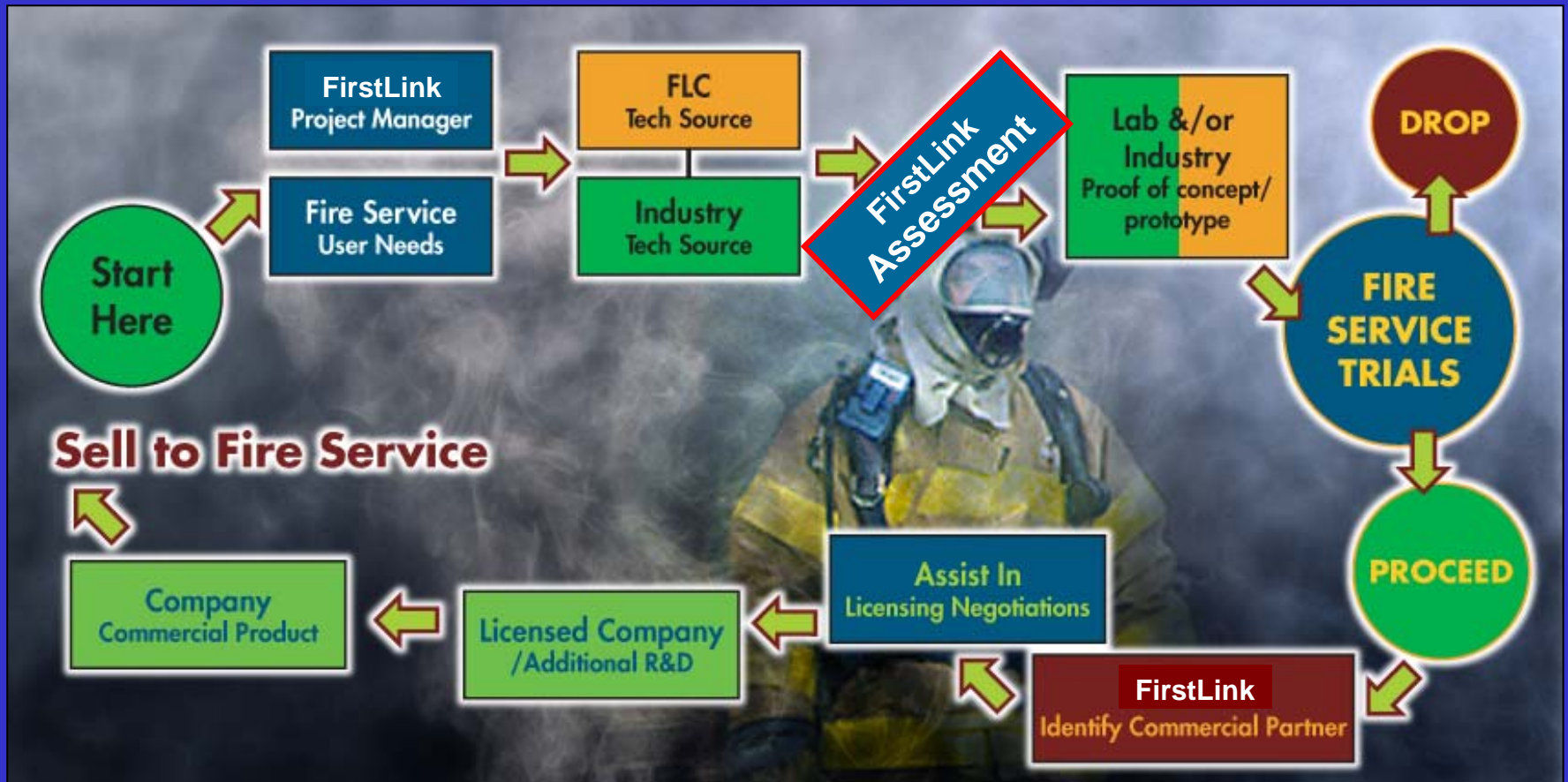
DHS List, prepared by The Center for Technology Commercialization, Inc., Feb. 2004

FirstLink T2 Services



- Locate, assess, and market technologies available for transfer (License, CRADA, etc.)
- Identify the availability of experts, facilities, and equipment
- Match companies, labs, and first responders to each other for development, demonstration, evaluation
- Limited follow-on support
- Pointers to funding

Technology Transfer Process



FAST Kitchen

A Market Assessment Project

Field-feeding and Advanced Sustainment Technologies (FAST)
U.S. Army Natick Soldier Center- Combat Feeding



- Investigate user communities
- Understand needs
- Determine receptiveness

 **Recommend next steps**

● Threat Containment Unit

- Company sought technology
- FirstLink scouted down the I.P.

 Patent License



- Invented by Naval Surface Warfare Center, Carderock
- Prototyped and tested by Aberdeen Proving Ground
- Developed under FAA (now TSA) program
- Licensee: NABCO, Inc.

Bleeding Mannequin



- Army Medic/Trainer prototyped a new training aid
- Multiple end user groups, public and private

 **CRADA for design completion**



- 68W School Ft. Carson, CO
- Army Medical Research and Materiel Command
- Inventor Sgt. Lynn Randall King, 91W Command
- Partner, SKEDCO, Inc.

SPAWAR Jt. Robotics Pool

- Platforms and payloads available to First Responder groups
 - Testing and evaluation feedback to DoD
 - Responders assess own applications, requirements, and adoption interest
 - Leverages new and retired assets
-  CRADA for adding Robots to the pool (*Mesa Robotics, Inc.*)
 Bailment Agreements for many end-users

Joint Robotics Pool - SPAWAR Systems Center



DHS and Responder Roles

- **Subject Matter Expert**
 - Clarify and prioritize needs
 - Sanity check for proposed solutions
 - Coordination / Interoperability
- **Observer or participant in trials/demonstrations**
- **Beta user - Challenger of utility; suggest refinements**

Success Factors

- **End User Driven**
 - **Close interaction between end users**
- **Champion at Each and Every Stage**
 - **Project Coordinator**
 - **End User Sounding Board**
 - **Trials & Demo (by Responders)**
 - **FLC/Lab Commitment - Extra Mile**
 - **Industry - Commit to Bridge R&D**

● Not Just a Good Idea

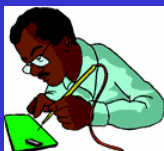


Title 1401 ...
It's the LAW

Assistant Secretary of Defense for
Homeland Defense and Americas' Security Affairs

1401 Technology Transfer Program

Leverage DoD's technologies, expertise, capabilities, items, & equipment to assist federal, state, and local first responders



Benefits to:

Technology Developers – DoD R&D collaboration, expertise, testing, and evaluation of high priority technology, items, and equipment.



Manufacturers – Commercialization of DoD technology for use by first responders



First Responders / Public Safety Officials - Several types of assistance available from DoD



First Responder Procurement Officers - Leverage the Federal government's buying power and surplus equipment

1401 Program Duties

- Identify DoD technologies, expertise, capabilities, and equipment with potential to enhance public safety and security;
- Cooperate with federal officials and state and local first responders
- Facilitate the timely transfer of DoD technologies to Federal Government officials and state and local first responders
- Identify and eliminate redundant technologies to be deployed
- Expedite the advancement of technologies through initial manufacture
- Participate in outreach programs and seminars. Government officials outside the DoD should communicate with first responders to determine needs of available technology items and equipment and responses to crises.

**A Partnership
Intermediary
can help you
GET IT DONE!**

Strength Aspects

... of having a focus area

Subject matter expertise

Examples:

- Technology fields
- Information resources
- Players



Agency relationships

Examples:

- 1401 Working Group
- Dept. of Homeland Security
- Responders



Contact



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