

First Responder Integrated Product Team

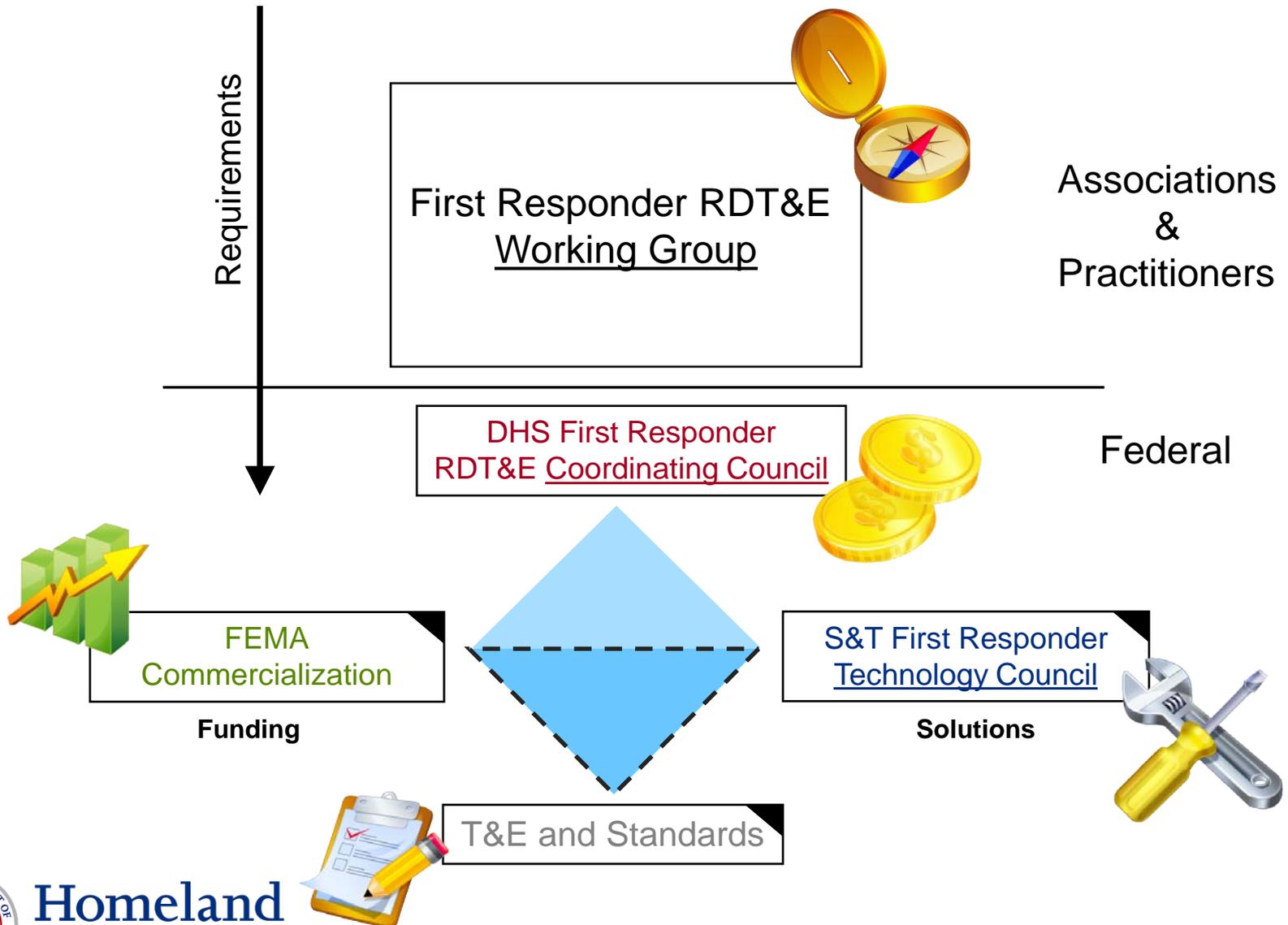


*FICEMS Meeting
Washington, DC*



**Homeland
Security**

1st Responder Capstone IPT



Homeland Security

Associations

- Police Executive Research Forum
- International Association of Firefighters
- National Sheriff's Association
- International Association of EMS Chiefs
- Interagency Board of Equipment Standardization and Interoperability
- International Association of Chiefs of Police
- International Association of Emergency Managers
- National Emergency Management Association
- National Association of EMT's
- National Native American Law Enforcement Association



Cross-Cutting Technology Gaps

- **Common Operating Picture**
 - Disparate, Disconnected Communications, Data Recording and Analysis Systems
 - No universal system or method
 - Agencies and jurisdictions have independent systems; i.e. hardware, software, policy and governance
 - Integration of existing systems and resident data
 - Requirements:
 - Voice & Video
 - Electronic/Text Data
 - Database Management



Cross-Cutting Technology Gaps

- Common Operating Picture
- **Respiratory Safety**
 - Risk to FR safety, health, disease
 - Need to reduce exposure to chemical and biological agents that exist on incident scene
 - Need to improve current system (too heavy and bulky)



Cross-Cutting Technology Gaps

- Common Operating Picture
- Respiratory Safety
- **End-to-End Incident Management**
 - Resource Allocation
 - Resource Tracking
 - Command and Control
 - Incident Management & Processing



Cross-Cutting Technology Gaps

- Common Operating Picture
- Respiratory Safety
- End-to-End Incident Management
- **Tracking**
 - Personnel Location & Status
 - Patient/Victim Tracking
 - Distressed First Responder Alert



Sub-Group Capability Gaps (- EMS)

- Chemical Detector
- Personal Alert and Tracking System
- Ergonomic Respirator
- Data Integration and Interoperability
- Alert and Warning System
- Data Analysis and Situational Awareness
- Biometric Field Identification
- Less Lethal Vehicle Incapacitation
- Handheld Weapon Detection



**Homeland
Security**

Emergency Medical Services Sub-Working Group

- Real Time Patient Tracking
- Ambulance Safety Standards
- Ergonomic Respirator
- Burn Patient Treatment (pain reduction)
- Field Patient Stability (artificial blood)
- Standardization of equipment typing
- Immersive EMS operational tools
- VOCODER (noise reduction)
- Incident Scene SA
- Alternative Power and Batteries



Contact Information

Jim Grove

DHS S&T Interagency & First
Responder Programs Division

Email: james.grove@hq.dhs.gov

O: 202-254-6941 C: 202-870-4649



**Homeland
Security**

Interagency & First Responder Programs Division