

Next Generation First Responder

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Science and Technology

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PROTECTED CONNECTED FULLY AWARE





PROTECTED

Defending against life-threatening hazards

- Enhanced Duty Uniforms and PPE
- Fire, Tear and Splash Resistance
- Biohazard Resistance
- Wearable Chemical and Gas Sensors
- Physiological Sensors
- Radiological Sensors

CONNECTED

Having a lifeline when it's needed most

- Communications Hub
- FirstNet Public Safety Broadband
- Interoperable Data Standards
- Mesh Networks
- Mobile Ad Hoc Networks
- Personal Area Networks
- Deployable Micro-Satellites
- Deployable UAS Networks
- P25 Compliance Assessment Program

FULLY AWARE

Making informed decisions that save lives

- Heads-Up Display
- Blue Force Tracking
- Next Generation Incident Command
- Internet of Things Integration
- CCTV and Traffic Cameras
- Alerts, Warnings and Notifications
- Mutual Aid Resources
- Data Prioritization and Analysis
- Building Plans and Schematics
- Location-Based Services
- On-Demand Vehicle Status
- On-Demand Hospital Status



Helping responders get on scene FASTER

with the information they need to save lives



What are we working on?

Current NGFR Projects



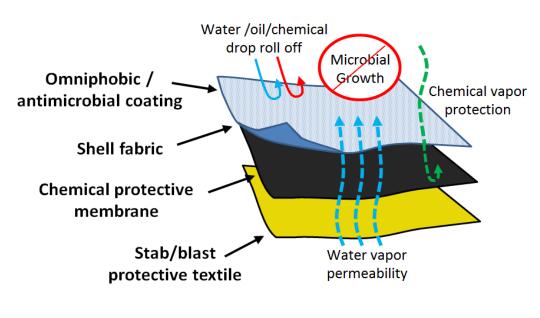
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Multi-Threat Base Ensemble

Resisting blood, fire, liquid, biological and chemical hazards, and punctures

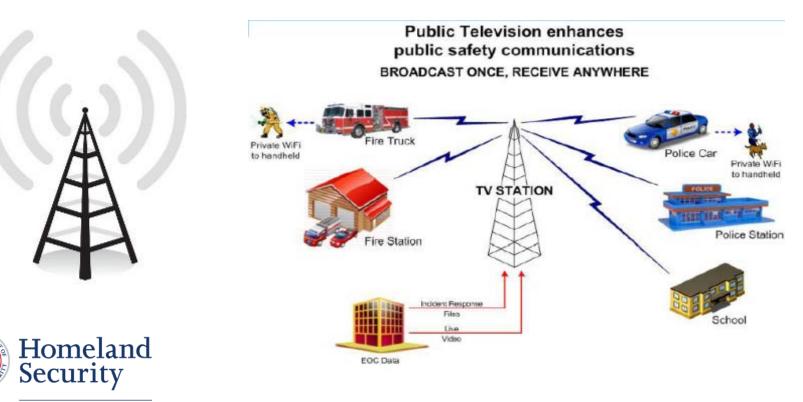






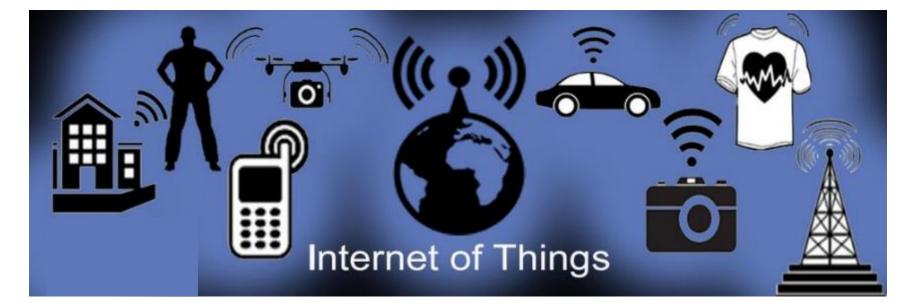
Video Datacasting Project

Sharing large data files – building blueprints, videos, etc. – with first responders in the field using the public television spectrum



Incident Management Information Sharing (IMIS) Pilot

Harnessing Internet of Things capabilities to improve first responders' situational awareness during emergencies





Public Safety Cloud Computing

Gathering stakeholder requirements to design, prototype and deploy an Initial Operating Capability of the Public Safety Cloud to benefit first responder organizations







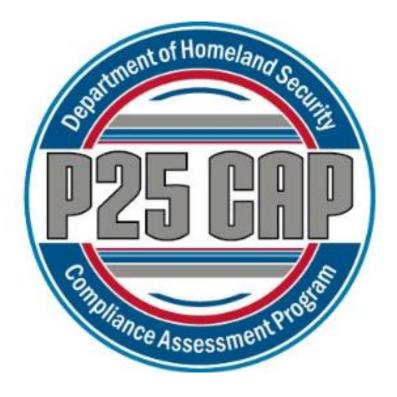
Synthesizing and analyzing big data – i.e., from sensors or dispatch centers – and pulling out information relevant to each responder in real time





Project 25 Compliance Assessment Program

Ensuring the communications equipment that manufacturers declare to be P25 compliant meets P25 standards.





EMERGE Accelerator Program

Working with accelerators to "speed up" the time to market for cuttingedge first responder wearable technologies.





WANT TO LEARN MORE?

For more information on the Next Generation First Responder Program, visit



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