

MARYLAND FIRST BROADBAND SERVICE UNIT PILOT OVERVIEW

Traviss A. Green

Senior Staff & Principal Project Sponsor

Lockheed Martin Corporation

June 4th, 2014

State of Maryland: Broadband Service Unit

State of Maryland Value Statement:

- Collaborating with Bowie State University, Lockheed Martin, Motorola, Verizon, Prince Georges County and APCO to establish a program that supports the development of wireless broadband applications and security for the FirstNet public safety broadband network.
- Leveraging students with heightened understanding and intimate knowledge of smart phone applications to serve as valuable resources in developing a new set of applications for use in public safety mission critical operations.
- Raising the awareness of public safety technology and the needs of the first responder community.
- Realizing new or modified applications for first responders and a pool of highly motivated and uniquely qualified graduates who can transition to the public or private sector and continue to develop public safety solutions.

• Key Considerations:

- ✓ Mission Impact for First Responders
- ✓ End-to-End Interoperability
- ✓ Security & Performance
- ✓ Infrastructure Re-use Potential (Cost Avoidance Options)
- ✓ Human-Centered Design & Engineering



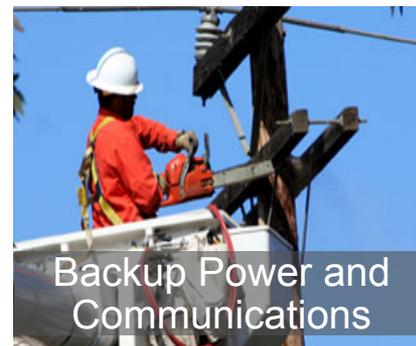
• Primary Output:

- ✓ Prioritized list of Public Safety / First Responder Needs
- ✓ Feasibility Analysis of Mobility-Enabled Mission Improvement
- ✓ Academic Rubric Aligned with APCO's Key Attributes
- ✓ Mobile Application Solutions and Experimentation

• Relevance to FirstNet:

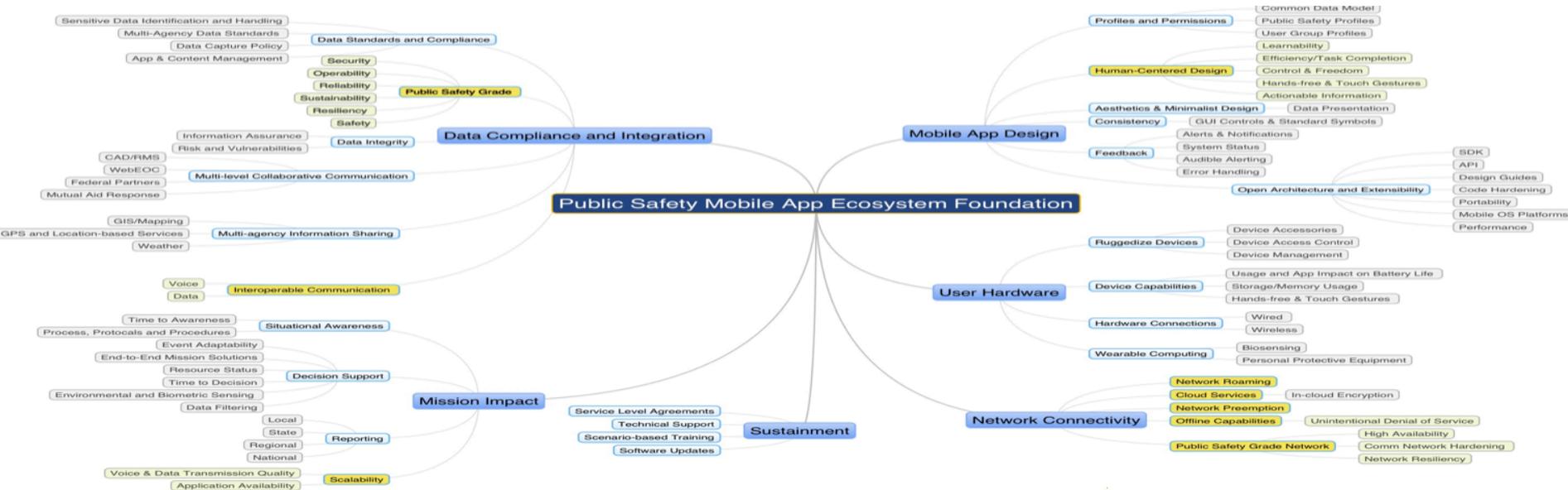
- ✓ Diverse Federal, State and Local Stakeholder Engagement
- ✓ *Real Scenarios, Real Data* and *Real 1st Responder* Input
- ✓ Emphasis on Proactive Workforce Development & Job Preparedness

Maryland's 12 Goals of Homeland Security Alignment



Human-Centric Ecosystem for Public Safety Grade Services

- **Mobile App Design** → Human-Centered Design, Profiles & Common Data Model, Open Architecture and Extensibility
- **Data Standards and Integration** → Data Integrity & Compliance, Multi-Agency Collaboration & Information Sharing, GIS/GPS/Weather
- **User Hardware** → Ruggedized Devices, Wearable Computing, Battery and Storage Limitations
- **Network Connectivity** → High Availability, Network Resiliency, Network Hardening
- **Mission Impact** → Situational Awareness, Decision Support, and Scalability
- **Sustainability** → Service Level Agreements, Scenario-based Training, App Support & Updates



Summary

- Expand Public Safety Mobile Application Focus to Common, Cross-cutting First Responder & Emergency Support Needs
- Emphasize the Importance of Public Safety Grade Application Development, Hosting and Integration Platforms
- Ensure Secure Mobile Applications, Trusted & Assured Information Sharing Services, and Data Protections Exist
- Enable Mobile Applications and Application Platform Ecosystems that are Holistic and Responsive to Change
- Encourage Human-Centered Design with a Practice of Working in Partnership alongside Public Safety & First Responders