

# The Latest on Public Safety Communications Research



Tracy McElvaney

*Advanced Communications Research Group*

*NIST Communications Technology Laboratory*



- Testing and Evaluation
- Capabilities Advancement
- Research
- Standards, Requirements
- Modeling and Simulation
- Academic Innovation

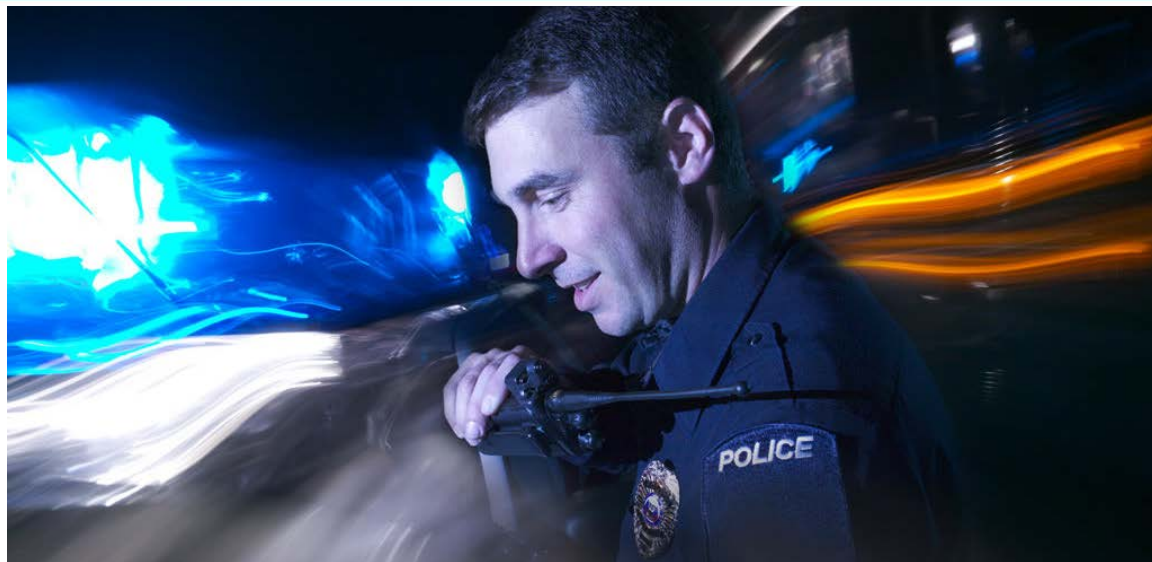
## ***Middle Class Tax Relief and Job Creation Act of 2012***

### **Title IV – Section 6303**

- **R&D Plan extending beyond today's capabilities**
- **Acceleration of vital capabilities development**
  - **Mission Critical Voice**
  - **LMR to LTE Integration**
  - **Eventual LMR Migration**
- **Standards & Requirements**
- **Working Groups**



***~ Key Enablers ~***  
***AWS-3 (Auction 97) & R&D Plan Approval***



- **Seek Input / Consultation**
- **Engage Stakeholders**
- **Leverage NIST/NTIA Labs**
- **Partner with Industry/Academia through CRADA**
- **Spark innovation through grants, prize challenges and cooperative agreements (IWCE 2016)**

## **NIST Public Safety Communications Innovation Accelerator**

*Pulling the future forward*

## Key Research Areas

- Mission Critical Voice & Data/Video
- LMR to LTE Integration/Migration
- Location Based Services
- Public Safety Analytics
- Public Safety UI/UX



- LBS R&D Roadmap
  - Working Group Established 3/2014
  - Published Report 5/2015
  - LBS Summit 10/2015
- Public Safety Analytics
  - Working Group Established 5/2015
  - Report Expected Early 2016
  - Analytics Summit Spring 2016
- Public Safety UI/UX
  - Working Group Spring 2016



<http://nvlpubs.nist.gov/nistpubs/TechnicalNotes/NIST.TN.1883.pdf>



- **Working Groups**
- **CRADA Program**
- **Prizes/Challenges!**
- **PSCR Town Hall at IWCE 2016**
- **PSCR Annual Stakeholder Meeting  
June in San Diego**

