



**Roberson and Associates, LLC**  
Technology and Management Consultants®



## State FirstNet Evaluation Capabilities

**Roberson and Associates, LLC (RAA)** and **Freedom Technologies, Incorporated (FTI)** represent decades of high-level experience providing technical, policy, regulatory, legal, financial, public affairs and press consulting services to the public safety and telecommunications communities. Together, the combined team of RAA and FTI (RAA/FTI) offers a comprehensive suite of capabilities to assist in the 45-day evaluation of the draft State Plan provided by AT&T (or one by alternative providers), prior to AT&T's final version publication later this year. RAA/FTI can perform the entire review, provide a second opinion, or offer specific support capabilities to assist during this critical evaluation and thereafter.

### RAA/FTI provide the following expertise to evaluate the AT&T draft RAN Plan or an Alternative State Plan

#### RAA

- **TECHNICAL & ENGINEERING**

- **Public Safety and Commercial Networks**

- LTE RAN design (and heterogeneous access with Wi-Fi and other access technologies); RAN Sharing strategies
    - Core Network sharing with multiple RAN networks (a FirstNet mandatory requirement)
    - Priority and preemption requirements and analysis including mission critical voice
    - Performance modeling and evaluation – analysis and/or simulation
      - Propagation modeling, capacity estimation, coverage predictions, traffic analysis
    - Network Function Virtualization (NFV), Evolved Packet Core (EPC), IMS, VoLTE network design and interoperability

- **Mission Critical Operations**

- Network requirements and 3GPP Standards compliance for capabilities, interoperability, and public safety enhancements (including Device-to-Device and Mission Critical Push-to-Talk)
    - Assistance with the development of interworking / interoperability between existing data and voice network (LMR) Gateways and FirstNet

## FTI

- **REGULATORY/LEGAL**
  - Performance of Contract Review
  - Negotiation of Contracts
  - Interpretation of Regulatory Issues; Regulatory Advocacy as needed
- **PRESS/PUBLIC AFFAIRS**
  - Prepare announcements regarding State decision
  - Craft overall strategic messaging plan for public awareness
  - Establish media contacts for strategic messaging effort
- **SITUATION AWARENESS**
  - Provision daily, weekly, and monthly summaries of relevant news related to FirstNet rollout
- **CROSS-STATE AND FEDERAL POLICY**
  - Assessment of cross-border coordination agreements (for an Alternative Plan)
- **ON THE GROUND RESOURCE CAPABILITIES**
  - Team member with extensive “on the ground” emergency communications capability (Team Rubicon leader, Iraq/NATO frontline communications expert)

## RAA/FTI

- **FINANCIAL**
  - Evaluation of End-User Pricing Models
  - Business Reputation Assessment(s) of Telecommunication providers, including subcontractors and partners (for an Alternative Plan)
  - Financial Capability and Stability Modeling Assessments (for an Alternative Plan)
  - Financial Viability Modeling (for an Alternative Plan)
  - Risk Assessment and Mitigation
  - Spectrum Valuation for FirstNet 700 MHz Spectrum
- **OPERATIONAL**
  - Assessment of system integration and speed of deployment
  - Assessment of effectiveness of retail channel distribution for device and services
  - Performance of market-based assessments of Band Class 14 devices
- **ACCESS TO OUTSIDE EXPERTS**
  - Access to a network of public safety professionals across multiple disciplines that can provide supplemental resources as required

Thank you



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