

- **DOI-preferred source of a full array of field communications products, professional services and design-build solutions**
 - Mission-critical communication systems (audio, video, data)
 - Land Mobile Radio, SatCom, Dispatch, PSAP/911
 - RF and TCP/IP Networks

- **Structure**
 - Multiple-Award IDIQ; GWAC available to non-DOI entities for 4.9% fee
 - 5-Year Base Period (10/1/2018 – 9/30/2023) with 2 Option Years
 - Functional Categories (FC): FC1 Products, FC2 Services, FC3 Design-Build
 - **Mindbank Team awarded FC2 Services – Small Business and Unrestricted**
 - Total Ceiling for FC2: \$3,000,000,000

- **Prime Contractor: Mindbank Consulting Group, LLC**

- Award-Winning Technology Consulting Company
- Founded 1986, major offices in Reston, VA and Denver, CO



- **Serving DOI's Mission Critical Systems Needs Since 1999**

- USFWS IRTM IT Support Services 1999-present
- BIA National Radio Program 2003-2007
- DOI Southwest Border Radio Regionalization Project 2011-2012
- BLM CASHE Radio Infrastructure Site Inspection Program 2007-present

- **Key FieldCom Task Areas**

- Program and Project Management
- Wireless/LMR/RoIP Systems Analysis, Design, RF Engineering, Implementation Planning, and Operation Support

■ **Trusted contractor to DOI for more than 16 years**

- Support for IT Transformation Program (EA and IT capital planning work)
- Mission support for many DOI programs including Wildland Fire IT (WFIT)
- Wireless and Mobility Center of Excellence and Center for Network and Systems Innovations (CNSI)
- Center for Network Analytics and Solutions (CNAS);

■ **Key FieldCom Task Areas**

- Project Management
- Technology research, policy, governance, and regulatory guidance
- Data collection and system baselining
- Network engineering, infrastructure support
- Prototyping, testing, and training
- Frequency management, encryption key management

■ Formerly Patriot Towers

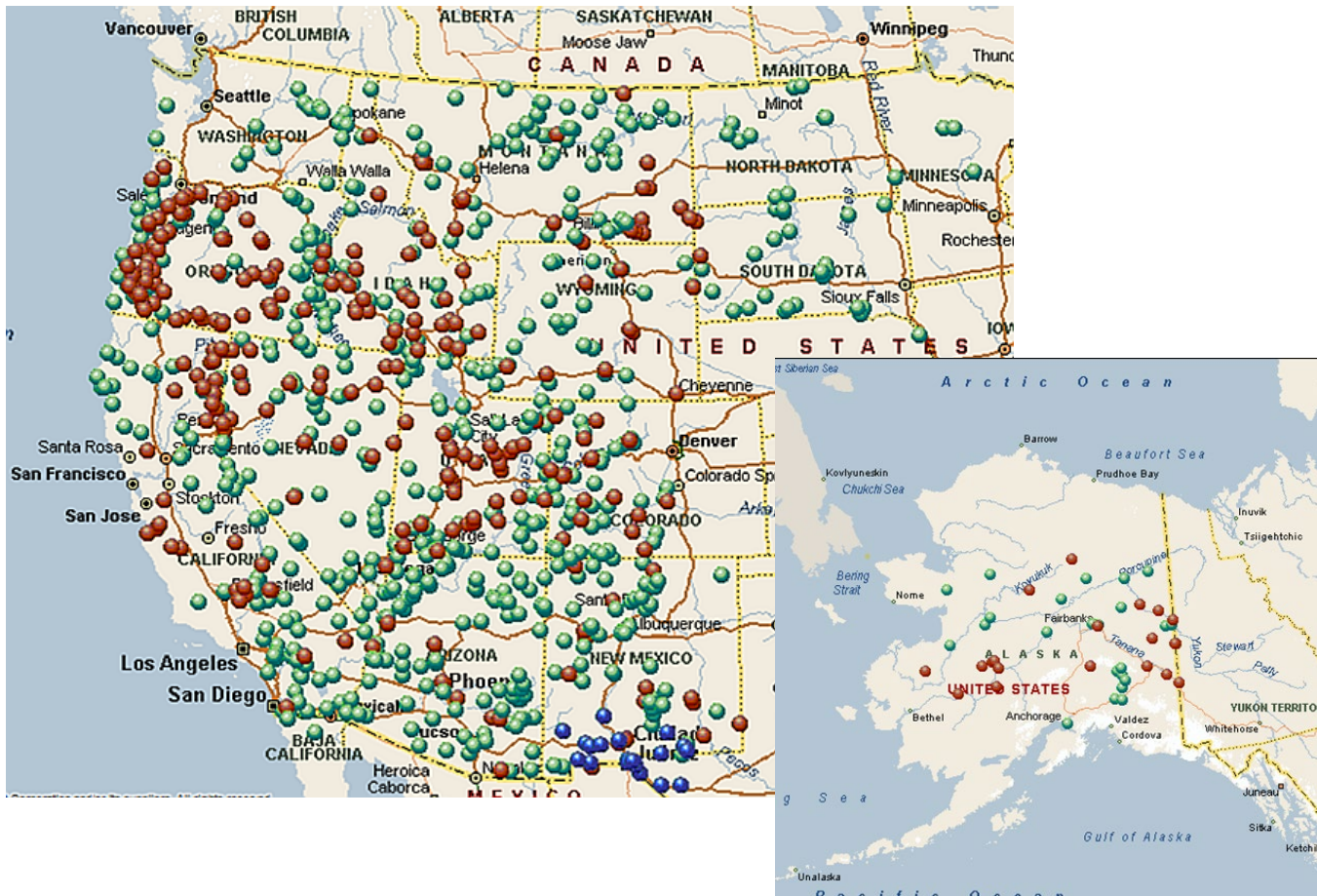
- Provides complete radio site engineering solutions, specializing in site acquisition, tower assessment/construction, and field operations
- Recent projects include:
 - DOI: upgrade of USGS Seismic Sensor network microwave backhaul
 - DHS: CBP P25 LMR upgrade for El Paso Sector (all of NM and southwest TX)

■ Key FieldCom Task Areas

- Radio system requirement analysis, design
- Site acquisition and implementation planning
- Oversight of equipment staging, site construction, system deployment, optimization, and acceptance testing
- System cutover and legacy system removal
- Equipment checkout, bench testing, and troubleshooting

- **One-Stop Shopping:** We offer FieldCom clients the agility of a small engineering and technical staffing firm (Mindbank), the resourcefulness of a seasoned field operations firm (GrayDS), and the organizational depth and reach of a large consulting firm (Booz Allen), each with multiple decades' experience providing mission-critical LMR-based services.
- **Organizational Understanding:** We have experience with every line of business in the federal government that utilizes LMR systems including law enforcement, structural/wildland fire, EMS, forestry, and natural resources and we understand the dynamics of each.
- **Institutional Integration:** Through our previous engagements, we have working relationships and documented firsthand knowledge of DOI (and cooperator agency) radio system locations, frequency assignments, and equipment counts that enables us to mobilize faster than other vendors on award of FieldCom task orders.

DOI Wireless Towers We've Inspected



Our Team Differentiators

Differentiator	Benefit to DOI and other IDIQ Clients
Institutional Knowledge: 40+ years' collective experience meeting DOI requirements for mission-critical wireless field communications	Detailed understanding of major federal/DOI initiatives including IT Transformation, Radio Regionalization, FirstNet, plus internal rules, policies, and goals
IT/Land Mobile Radio Experience: Real-world design and implementation experience with systems blending traditional LMR concerns (e.g. RF coverage, < 250 ms system access times) with IT/computing technologies	Low-risk implementation of hybrid IT/LMR systems with respect for the challenges of each to ensure successful outcomes
Booz Allen Labs: Wireless and Mobility Center of Excellence and Center for Network and Systems Innovations (CNSI); Center for Network Analytics and Solutions (CNAS); Access to Systems Resources Center (SRC), and R&D program	Performance-based simulation of emerging technologies (e.g., LTE, IP/MPLS, Radio over IP [RoIP], Wi-Fi, SATCOM), development of system and site designs and configuration standards documents, analysis of system design and alternatives
Depth and Breadth: Mindbank's proprietary database of 78,800 vetted professionals; Booz Allen reachback to 100+ INCOSE Certified Systems Engineers, 700+ ITIL certified staff, 1900+ PMP-certified staff	30 years staffing resources for federal IT/LMR projects enables us to provide "just-in-time" project field teams anywhere within the required service footprint and fill capability gaps for clients quickly and cost-effectively.
Key Technologies: Radio over IP(RoIP), Land Mobile Radio (P25 and proprietary), Wi-Fi (802.11ac), Long Term Evolution (LTE)/4G cellular, and Free Space Optics (FSO), satellite, network/backhaul, cloud-based data services, deployables, wireless priority services	Familiarity with both private and commercial wireless technologies enables us to help DOI and other clients successfully navigate changing communications landscape with future-proof designs that can lever new capabilities into service of client mission.

Our Team Differentiators

Differentiator	Benefit to DOI and other IDIQ Clients
Comprehensive Set of Tools and Instruments: Requirements management tools such as DOORS, RTMS, and Requisite Pro, customizable interview guides and templates, INCOSE and ITIL® Frameworks, system reference architectures, planning artifacts (Roadmap, CONOPS), experience with CAD Design, Spectrum XXI, GMF CD-ROM, MS Suite, ESRI ArcGIS, ATDI Spectrum-E and HTZ Warfare , MS Access, OPNET, DHS Science and Technology (S&T) Technology Readiness Level (TRL) calculator, Comstudy, Pathloss, SignalPro, and Ekahau	Our team members are fluent in a wide variety of project tools and instruments used by DOI and other federal agencies for the planning, design, implementation, operation, and tracking of LMR/IT communication systems. Our staff is already trained in the use of these tools, eliminating ramp-up time and reducing risk. Our deliverables will be produced to the clients' expectations and in the standardized formats required for each task order, facilitating communication of key project data with stakeholders and cooperators
Certifications/Standards Knowledge: Motorola R56, EIA-TIA 222 Rev-G, ANSI, OSHA, FCC standards for radio transmission facilities and systems; ISC2/SANS; ISO/IEC 27001, ITIL, and/or SOX, PCI,NERC; IT security/risk frameworks, COSO, COBIT IT, NIST 800 series, ISO27001,27002,ISO3100, ES-C2M2, ACL and US GAAP	The Mindbank Team can provide project personnel with experience in a variety of industry standards and government certifications to fulfill task orders, including IT and network security certifications which are particularly relevant to sensitive, mission-critical communication system projects
Personnel Development: ITIL®-certified personnel and IT staffing firm with two decades' experience fulfilling DOI requirements (Mindbank)	Enables us to provide IT-aware personnel as LMR systems take on more TCP/IP characteristics
Top Secret Facility Clearance: Mindbank/Booz Allen	Ensures institutional security and workforce integrity
Small Business: Mindbank's and GrayDS' woman owned/small business classifications	Contributes toward fulfillment of DOI goals for small business content