



CAPABILITIES STATEMENT

Iron Bear Technologies LLC provides telecommunications engineering services to Federal, State & Commercial customers. A subset of our services include: Cisco Network Engineering, IP/SATCOM Design & Installation & Data Center Modernization & Management.

CORE COMPETENCIES

- Cisco Network Engineering
- IP/SATCOM Design & Installation
- System Modernization (HW & SW)
- IoT Deployment, Mgmt & Data Analysis

PAST PERFORMANCE

MAG Aerospace

Subcontractor providing testing & verification of subsystems U.S. Army Program Mgmt Integrated Enterprise Network. Generate test plans, procedures to verify requirements C2 of SATCOM payload.

AASKI TECHNOLOGY

Subcontractor to AASKI Technology performing IP/SATCOM, Network Engineering for WGS & DSCS Satellite constellations.

JHU/APL

Cisco Network engineering, Radio Frequency engineering analysis for transmission & receiving of payload signals. Demonstrated timing signal distribution over 100km utilizing Ciena DWDM.

DEPARTMENT OF DEFENSE

Produced COVCOM solutions for SIGINT systems that leverage custom printed circuit boards (PCBs) & novel IP/Ethernet based solutions. Developed communication systems that utilize terrestrial & SATCOM assets.

COMPANY SNAPSHOT

CAGE CODE:	81P47
DUNS:	081-061315
UEID:	FN1CXGLBULN5
BUSINESS POC:	Don Frazier
EMAIL:	don@ironbear.tech
PHONE:	(443) 826.9997
FAX:	(443) 683.0203
WEBSITE:	www.ironbear.tech
ADDRESS:	6751 Columbia Gateway, Ste-300 Columbia, MD 21046

KEY DISCRIMINATORS

- TS – Facilities Clearance
- Cyber Security Experience
- Cisco Partner
- Disaster Recovery (On & Off Premise)
- Independent Validation & Verification
- System Eng. Experience: Requirements to Fielded Systems

NAICS CODES

- 541513: Computer Facilities Mgmt.
- 541512: Computer System Design Svcs.
- 541519: Other Comp Related Svcs.
- 541618: Other Mgmt. Consulting Svcs.
- 518210: Data Processing, Hosting & Svcs.
- 517410: Satellite Telecommunications

PREVIOUS EXPERIENCE

TEST & VERIFICATION ENGINEERING:

Subcontractor - Network Aware Applications & Transports (NA2T)

The Iron Bear Technologies team (IBT) provides programmatic oversight generating system administration manuals, test plans & testing procedures in accordance with the requirements of major/minor system releases & information assurance version releases. **Results:** The U.S. Army is successfully phasing out legacy subsystems & meeting information assurance (IA) deadlines without compromising the warfighter communication mission.

SETA / NETWORK ENGINEERING:

Subcontractor - Network Aware Applications & Transports (NA2T)

The IBT team has provided Cisco Network engineering, subsystem baselining, Active Directory Access Control, disaster recovery testing & validation. Implemented COTS based SIEM system evaluation with detailed report informing the customer of advantages & limitations of the solutions. Modeled, configured, tested & deployed Cisco based hardware configuration & upgrades within O/CONUS operational centers. **Results:** The solutions are in operation or under evaluations for future purchase & integration by the U.S. Army/PM-DCATS.

NETWORK/ RF ENGINEERING:

Subcontractor - Secure Waveform Reference Environment

The IBT team provided IP engineering solutions to the Government customer providing EIGRP logical connectivity leveraging the DISN. Classified & unclassified solutions were developed using KG-175D for layer 3 encryption. Positive command & control of overhead assets were implemented through the use of RF engineering ensuring that RTLogic & COMTECH EF based modems were provided ample signal levels throughout the operational center.

NETWORK/R&D ENGINEERING:

The IBT team developed a custom COVCOM solutions leveraging custom printed circuit boards (PCBs) that were developed to communicate with Government assets via SATCOM or terrestrial RF methods.