



# Meeting Connectivity Needs for *Government Systems*



## Solutions

Comtech EF Data provides solutions for Government, Agency, and Ministry of Defense (MOD) requirements. Whether above or below the sea, ground, or airborne, we have a proven track record of delivering reliable, scalable, and ruggedized products and solutions for these applications.

While many programs utilize existing Comtech products or waveforms, many projects/programs require either enhancements or alterations to the existing product suite; many projects/programs require completely new architectures that push the technology envelope to the very edge of what is technically possible given the existing technology.

## Technology

We combine technology and expertise to facilitate communications for a variety of governments and militaries in more than 160 countries. Our line-up of SATCOM products offer reliability and advanced functionality that can optimize your space segment. Our solutions are engineered to meet a range of standards to provide adaptable, scalable, reliable, and manageable solutions to meet our customers' changing mission requirements.

## Products

Our products provide reliability while ensuring scalability for unforeseen changes to missions or applications. Products include both branch and agency support for:

- High-speed – large bandwidth (high bps) – high throughput (high bps and PPS) applications
- Low-speed applications for Low Probability of Detection (LPD)/Low Probability of Intercept (LPI) operation – low bandwidth (low bps) for covert undetectable operation
- Support for MIL-STD-188-165A, MILSTD 188-165B (Draft Std), and STANAG 4486 Edition 3
- Secure communications using TRANSEC technology, AES-256 Data and Management Encryption, with FIPS 140-2 certification
- Product Suite with WGS Certification

Our product portfolio encompasses:

### VSAT Networking Platforms

Heights Networking Platform

Advanced VSAT Solutions

### Satellite Modems

Point-to-Point & Point-to-Multipoint

Stand-Alone Solutions

Integrated Solutions

### Digital IF

10 Gbps FAST OSDI Solutions

### Data Optimization

Duro 1 GbE Ethernet IP FEC

### Network & Bandwidth Management

NetVue NMS

Bandwidth / Optimization Manager

### RF Products

C-, X-, Ku- & Ka-Band

Frequency Converters

Amplifiers





## Experience

We are committed to providing the needed solutions to support mission-critical applications; as such, our products have been widely adopted by the U.S. Government, and are utilized in the majority of the U.S. Department of Defense's tactical terminal programs, including:

<b>U.S. Navy</b>	<ul style="list-style-type: none"> <li>• Advanced TDMA Interface Processor (ATIP)</li> <li>• Commercial Broadband Satellite Program (CBSP)</li> <li>• Naval Oceanographic Office (NAVO)</li> <li>• BAA 14-007: Ultra-Broadband, Highly Bandwidth Efficient Anti-Jam Communications</li> <li>• BAA for LPD/LPI</li> </ul>
<b>U.S. Army</b>	<ul style="list-style-type: none"> <li>• Warfighter Information Network – Tactical (WIN-T) Increment 1 &amp; 2</li> <li>• CERDEC Working Group for Digital IF Study (Phase 1 and 2)</li> <li>• Deployable Ku-band Earth Terminal (DKET)</li> <li>• AN/TSC-93</li> <li>• Trojan Spirit</li> </ul>
<b>U.S. Air Force</b>	<ul style="list-style-type: none"> <li>• Ground Multiband Terminal (GMT)</li> </ul>
<b>U.S. Marines</b>	<ul style="list-style-type: none"> <li>• MEU Hubs and DKETs</li> </ul>
<b>Other U.S. Government</b>	<ul style="list-style-type: none"> <li>• Diplomatic Telecommunications Network</li> <li>• National Geospatial Agency Network</li> <li>• Troop and Contractor Health and Welfare Networks</li> <li>• Troop and Contractor Distance Learning Network</li> <li>• Customs and Border Protection</li> </ul>

## Knowledge

Our government systems team is comprised of industry experts in Modulation, Forward Error Correction (FEC), Intellectual Property, SATCOM engineering, products and solutions. The highly experienced and cleared personnel have deep knowledge in systems engineering, hardware and software development, product and program management, government procurement and program execution, making Comtech EF Data a logical choice. Bringing a strong background of winning BAA, RIF, sub-prime, and prime government work, the team is prepared to tackle small, medium, and large government projects and programs.

## Support

Telephone engineering support is provided 24x7, 365 days a year by an experienced and cleared team. Issues we are prepared to help you with may include installation and/or support, software revision control, upgrades, real-time/online access, and general inquiries for documentation, equipment performance and specifications. Our ESS engineers address issues in a tiered structure, including escalating to our product engineering personnel when required. Additional support includes RMAs, extended warranty and training.



## Bringing It All Together

We provide a comprehensive approach for small, medium, and large program requirements:

- **Small programs (SBIR and STTR programs)** – We have experience helping smaller partners with engineering resources and products for smaller SBA funded programs
- **Medium programs (BAA and RIF programs)** – We have experience performing and helping small and medium partners with BAA and RIF programs for R&D and products up to TRL 1 to 6/7
- **Large programs (Prime and Sub-prime awards)** – We have experience proposing, bidding, winning, developing and deploying large Government/Military programs for the development of products, solutions and technology from concept, deployment, to lifetime program execution

We bring all available resources to bear for a full program solution, including:

- Highly skilled and cleared Engineering and Program Management personnel
- Robust Product Suite:
  - o VSAT Networking Platforms
  - o Satellite Modems
  - o Data Optimization
  - o Network & Bandwidth Management
  - o RF Product
- NetVue Integrated Management System for Comtech and popular third-party products
- Industry leading Satellite Space Segment Management software
- High-quality manufacturing for MIL-SPEC digital, analog and RF products
- Systems and Reliability Engineering
- System Architecture Design and Analysis
- Engineering Service Center (ESC) call enter for 24-hour support



## Contact Us

Agencies, governments, and militaries around the globe utilize Comtech EF Data's experience, knowledge, products, and support to provide optimized satellite and data solutions for maximum bandwidth optimization. Contact us – we welcome the opportunity to deliver the reliability, dependability and performance you require for mission-critical communications.



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Several images are courtesy of the DoD

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