



SYSTEM CAPABILITIES

- Unified ground segment management
- Satellite bandwidth optimization
- QoS management
- User services: Voice, data, video, messaging...

MOBILITY

- Land OTM, OTP terminals and manpacks
- Naval solutions for military ships and submarines
- Airborne solutions for aircrafts, UAVs and helicopters
- Mission-oriented waveforms

TRANSMISSION and SECURITY

- Satcom network security
- Anti-jamming and weather-proof waveforms
- Voice & data encryption
- Secured network management



END-TO-END SECURITY

DEVSAT has several security mechanisms at terminal, network and service levels: Frequency hopping on SATCOM modems, multi-level data encryption, advanced network protection, user management...



HUB STATION

- Main transmission point of the network
- Interface to infrastructure network
- Single or multi-satellite communication (X, Ka, EHF, Ku, C, L Band solutions)



TERMINAL SOLUTIONS

- Platform specific modem
- Anti-Jamming, ESM, OTM, ACM
- DAMA
- Fully IP based
- EPM Waveform
- Wide range of military terminals
- Single, multi-band, land, naval and air terminals
- Deployable, OTP, OTM, manpacks
- Commercial terminals for for government departments



UNIFIED MANAGEMENT SYSTEM WITH NETWORK OPTIMIZATION

- Resource management
- Frequency planning
- Transmission security management
- Interface management for user networks End-to-end QoS Management

DEVSAT EPM

SECURE SATCOM SOLUTION FOR DEFENSE & GOVERNMENT

Airborne Modem

**ANYWHERE, ANYTIME
ROBUST, SECURE,
JAMMING RESISTANT**

*DEVSAT-EPM-1000
Single Channel*

OVERVIEW

CTech Government Satellite Communication System (DEVSAT) has been configured and designed to operate anywhere-anytime as a resilient, secure, robust and jamming resistant communication solution.

It has been realized by CTech and based on knowledge, experience and know-how accumulated for more than 20 years. Availability and survivability of reliable, secure and robust government communications during emergencies, crises and disasters is of paramount importance.

DEVSAT has been developed to fulfill all the current and future communications needs of the government layers. It is an original solution that targets the efficient use of the local Satellite Communications (SATCOM) infrastructure.

*DEVSAT-EPM-8000
Multi Channel*

OVERVIEW

CTech DEVSAT solution features state-of-the-art portfolio of land, naval and air terminals with an EPM waveform and integrated system providing seamless transmission, networking and security. DEVSAT System is fully designed to meet the most challenging environments such as Communications On-The-Move (COTM) and communications under stressed conditions (jamming) coupled by Quality of Services (QOS) capabilities. As a part of a complete ground system, DEVSAT maintains a full management system capabilities augmenting satcom operations.

SATELLITES

- Commercial or Defense Satellites used for government and military

PEACE KEEPING SITUATION

- Defense SATCOM and tactical networks to support defense activities
- Interoperability with other networks

HUB

- Main point of contact between SATCOM remote terminals and terrestrial networks
- Connectivity between land, naval and air networks
- Could be fixed or mobile

ON THEATER

- Flexible, robust tactical SATCOM solutions
- Providing connectivity of the mobile forces with CC HQ

DISASTER RELIEF

- Fast recovery of communications after disaster or act of war
- Fast deployment of terminals using commercial or defense satellites

CTech's DEVSAT solution is compatible with geostationary satellites (C, Ku, X band). Using a modular architecture based on Commercial Off-the-Shelf (COTS) field proven equipments, DEVSAT is ready to integrate innovative technology requirements. CTech's experience is the assurance of best performance and reliability.