

Special Operations Forces (SOF) Tactical Network (C5ISR*) Capabilities

Delivering Client-Focused Solutions that Work

- Tactical Network Modeling, Simulation and Analysis
- Tactical Network Analysis, Design, Testing, and Integration
- Tactical Network Support
- Technology Management
- High Speed Data Communications Systems
- Intelligent Transportation Systems Broadband and Federal Communication Commission for Public Safety Networks

Delivering Client-Focused Solutions that Work

*Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance, and Reconnaissance

Enterprise Ventures Corporation provides a broad range of tactical C5ISR capabilities to support tactical and strategic networks for Special Operation Forces (SOF) both in and outside the continental United States, along with a variety of local, state, regional, and federal networks with unique broadband communication requirements. Our subject matter expertise provides direct support to Combat Operations Centers in forward-deployed combat zones as well as supporting responders to natural and manmade disasters. For clients operating in high threat and high stress environments, EVC is a highly efficient partner in times of greatest need.

Tactical Network Modeling, Simulation and Analysis (MS&A)

Enterprise Ventures Corporation's (EVC's) core competency in Network Modeling, Simulation and Analysis (MS&A) is based on the diverse expertise of our MS&A staff, including communications product design, network architectures, network protocols, wireless and wired transmission modeling, and network modeling at varying levels of abstraction and fidelity. EVC combines this experience with in-depth knowledge of multiple simulation and analysis tools (such as Riverbed®, QualNet®, and custom tools) and thorough understanding of the client's network and requirements to ensure maximum return on the MS&A resources invested.

EVC's expertise in network MS&A can be applied successfully to optimize planning, design, and execution of everything from minor network upgrades to major architectural changes. This includes maximizing the efficient use of existing network resources, rolling out new services and applications, improving network survivability, troubleshooting existing performance problems, and much more.



EVC offers clients:

- Extensive experience with the tools and products that United States Special Operations Command (USSOCOM) is currently using and evaluating. These include: Riverbed®'s Modeling and Simulation tool chain, SteelCentral Network and Performance management with NetPlanner/Modeler, Steelhead appliances for Wide Area Network (WAN) acceleration, and AppResponse NetProfiler for application monitoring and analysis.
- The ability and insight to utilize these technologies to drive innovation and support advanced network-level Service Level Agreements (SLAs) (throughput, latency, availability) and isolate issues before they become critical.
- Riverbed® and QualNet® expertise.

We enlist a real-time modeling and simulation capability developed by our parent company, Concurrent Technologies Corporation (CTC), to perform predictive data analysis of application (video, voice, and data) performance in broadband municipal wireless, cellular data, satellite, or terrestrial copper/optical networks. This simulation capability provides the ability to accurately design and test solutions for critical communication networks in a virtual environment.

EVC's MS&A can benefit municipalities, counties, and states by:

- Predicting network performance before spending money on deployment
- Pre-installation performance analysis and capacity planning
- Systems and hardware performance modeling
- Traffic flow analysis
- Wireless, wired, and hybrid network simulation

Tactical Network Analysis, Design, Testing, and Integration

EVC's core competency in Tactical Network Analysis, Design, Testing, and Integration is based on significant experience working in direct support of the United States Marine Corps (USMC).

EVC offers clients:

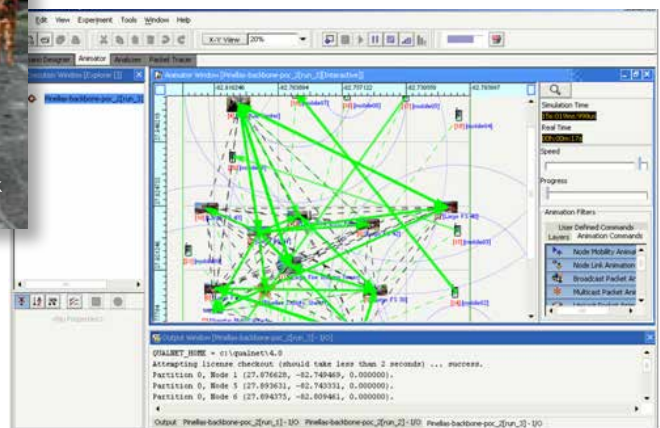
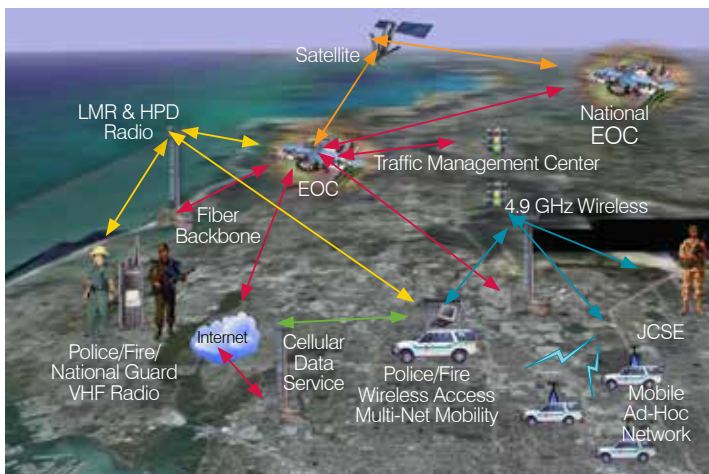
- Subject Matter Experts (SMEs) with extensive experience developing service-level management solutions. Over 20 years' experience in Research and Development (R&D) for communication products, including four Service Level Management patents.
- SMEs with extensive experience in modeling and simulation, network analysis, and WAN acceleration. This includes data compression R&D experience and two WAN acceleration patents.
- SMEs with extensive Web development experience using C#, jQuery, java script, and Visual Basic®. With over 10 years' experience specifically in operational Web-based systems, our knowledge of database system structures used by operational forces allows for rapid integration with existing systems.
- The ability of our SMEs to deploy alongside operational forces to rapidly develop unique collaborative systems to meet their immediate needs.

Tactical Network Support

EVC's core competency in Tactical Web Portal development and management is based on significant experience working in direct support of USSOCOM, Marine Special Operations Command (MARSOC) and the USMC in both garrison and deployed environments.

EVC offers clients:

- Personnel available to deploy at a moment's notice.
- Personnel 100% cleared to appropriate levels to immediately support Secure Internet Protocol Router (SIPR) Network Web portals, for support of tactically operational forces.
- Personnel to support Top Secret networks as required.
- Our extensive experience with operational forces, providing unique insight to quickly and accurately communicate with operational commanders and staff, in direct support of operational forces.
- Our credibility with Special Operations Forces (SOF) and the USMC Cooperation forces, gained through years of deployed direct support.
- Staff experience:
 - 12 hours a day, seven days a week support coverage for more than five years in Iraq and two years in Afghanistan.
 - Several years of support aboard ship during Marine Expeditionary Brigade and Marine Expeditionary Unit deployments.



Technology Management

EVC's competency in Technology Management is based on significant experience analyzing and developing technology assessments.

EVC offers clients:

- Digital satellite radio
- Fast router technology
- Communications-on-the-move
- Alternative power sources

EVC develops the following program acquisition documentation:

- Concepts of operation
- Operations and maintenance manuals
- Technical design packages
- Test plans

High Speed Data Communications Systems (HSDCS)

EVC has developed and operates a wireless broadband network operating in the licensed bandwidth allocated by the Federal Communication Commission (FCC) for Public Safety (4.9 GHz) and Intelligent Transportation System (ITS) (5.9 GHz) broadband wireless networks.

This network provides a test bed to evaluate the cost/performance tradeoff when utilizing these types of networks to support public safety and first responders. EVC's 500-square-foot Systems Integration Laboratory provides the resources to test and evaluate technologies that are under consideration for public safety or ITS wireless networks. Our experience with Homeland Security and the Department of Defense enables us to facilitate interagency government and private-sector communications for national emergencies. We can provide the common language to communicate between agencies.

Intelligent Transportation Systems (ITS) - Connected Vehicle (CV) (5.9 GHz) Broadband and Federal Communication Commission (FCC) for Public Safety (4.9 GHz Wireless) Networks

EVC competency in Intelligent Transportation Systems (ITS) (5.9 GHz) Broadband and Federal Communication Commission (FCC) for Public Safety (4.9 GHz Wireless) Networks is based on significant experience working in direct support of 4.9 GHz and 5.9 GHz licensed and 2.4 GHz and 5.8 GHz unlicensed broadband wireless networks.

EVC offers clients:

- Wireless network system architecture design
- Equipment evaluation in a test bed network
- Modeling and simulation of 4.9 GHz and 5.9 GHz licensed and 2.4 GHz and 5.8 GHz unlicensed broadband wireless networks
- Technical assessments and feasibility studies:
 - Data repository and side-by-side analysis of wireless communications networks
 - Wireless broadband network baseline performance analysis
 - Application software/firmware performance analysis
- Cost versus performance tradeoff analysis
- Testing and evaluation of emerging technologies
- Technology demonstrations
- Installation of wireless networks
- Spectrum management:
 - Site surveys
 - Spectrum analysis

Contact Information

For more information on EVC's capabilities, contact:

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