Wave Relay™ is an advanced mobile ad hoc networking (MANET) solution that goes beyond the standard “self-forming” and “self-healing” mesh network. Instead, Wave Relay™ quickly and continuously adapts to fluctuations in terrain and other difficult environmental conditions to maximize connectivity and communication performance. The Wave Relay™ proprietary routing algorithm allows users to incorporate vast numbers of meshed devices into the network in which the devices themselves form the communication infrastructure.

MAN PORTABLE UNIT GEN4: Brings MANET capability directly to the dismounted user. Integrated twist-lock battery with 14-hour life incorporated in an extremely rugged design for functionality.

MAN PORTABLE UNIT GEN3: Ultra compact form designed for both the dismounted user and built-in applications.

QUAD RADIO ROUTER: Delivers unmatched scalability for large MANET systems. Compact and rugged design provides versatility to deliver in all situations.

SECTOR ANTENNA ARRAY: Uses three independent antennas to deliver 360 degrees of coverage, even on the most unstable platforms.

TRACKING ANTENNA SYSTEM: Enables two-way, digitally encrypted data links between ground and air assets.

GSA Schedule Contract # GS-35F-0168Y Small Business

OUR TECHNOLOGY

All of our products come with management tools for system configuration and management by network installers and administrators. Additionally, Persistent Systems offers in-depth training geared to a full spectrum of users. We stand behind our products and are constantly improving our technology in response to our customers needs.

OUR COMMITMENT

Wave Relay™ is an advanced mobile ad hoc networking (MANET) solution that goes beyond the standard “self-forming” and “self-healing” mesh network. Instead, Wave Relay™ quickly and continuously adapts to fluctuations in terrain and other difficult environmental conditions to maximize connectivity and communication performance. The Wave Relay™ proprietary routing algorithm allows users to incorporate vast numbers of meshed devices into the network in which the devices themselves form the communication infrastructure.
ABOUT US

The Mobile Ad Hoc Network was initially inspired in the 1980’s by the Packet Radio Networks program. The military vision was a network that allowed personnel to operate on the move in any location around the world, without infrastructure. Wave Relay™ is the first product delivering this vision.

In 2002, the Persistent Systems, LLC founders pioneered the initial Research & Development into high throughput routing, allowing data to move efficiently through a wireless network. While competing approaches have been attempted, only Persistent System’s Wave Relay™ solution efficiently achieves a scalable, peer-to-peer network in an integrated and cost effective package. As a result, Wave Relay™ is capable of running live VoIP, video, and other demanding applications under the most difficult and unpredictable operating conditions.

In addition, Wave Relay™ seamlessly utilizes existing backbone/backhaul infrastructures to augment the capacity of a wireless network. The result is the world’s first true MANET, an extremely high-performance, fault tolerant system capable of meeting almost any networking demand.

WHY PERSISTENT SYSTEMS?

- Wave Relay™ proprietary technology
- Only true Mobile Ad hoc Network (MANET) system
- Experienced provider for DoD
- Top quality products backed by manufacturer warranty
- Best Value Solution
- Full service provider including customized training
- Pre-approved vendor on GSA schedule
- Small business with a full service solution

WHAT WE DO BEST

- DoD: Providing MANET technology to customers working in the most challenging areas of the world where there is no existing infrastructure.
- State & local municipalities: Offering a solution to meet the increasing demand for mobile connectivity in every day and emergency situations by State customers.

APPLICATIONS

- Ethernet and IP Data
- Real-time Situational Awareness
- Push-to-talk Voice
- Streaming Full-motion Video
- Autonomous Vehicle Communications
- Serial-to-Ethernet Command & Control