WAVE RELAY® IS A MOBILE AD HOC NETWORKING SYSTEM (MANET) DESIGNED TO MAINTAIN CONNECTIVITY ON THE MOVE.

It is a scalable, peer-to-peer wireless network which provides data, video, and voice even in the most challenging applications. With user throughput of 41 Mbps UDP and 31.1 Mbps TCP, Wave Relay® provides a dynamic, reliable, and secure wireless networking solution beyond mesh.

Introducing Cloud Relay™: a seamless networked solution to bridge Beyond Line of Sight (BLOS) to Line of Sight (LOS) networks. This technology works with Persistent Systems’ Wave Relay® by allowing long-range remote access to video, voice and data to and from all MANETs. Smooth transition via Layer 3 networks such as Internet or a private network (i.e. SATCOM) through which traffic is routed across to get it to another MANET in different parts of a city, state, country or even different parts of the world. Cloud Relay™ allows distributed enclaves to participate as if locally connected.

Design
- Leverages existing infrastructure to extend the Wave Relay® MANET worldwide!
- 3G/4G Cellular, SATCOM, Wired Internet, or other Layer-3 technologies

Capability
- Seamless Layer-2 Connectivity
- Support for Unicast, Multicast, and Broadcast Traffic
- Supports multiple gateway topologies
- No reconfiguration of host devices as they move between gateways
- Internet Access (if available via local edge network)
- 27Mbps Multicast

Components
- Wave Relay® node + Cisco® Layer 3 Embedded Services Router for mobile spoke functionality
- Wave Relay® Router running WRoIP Configuration
- Cisco® Layer 3 Enterprise router for VPN aggregation hub functionality

Integrated Solutions
- Multiple Vendors are building ruggedized Wave Relay® + Cisco® Routers
- Integrated solutions will simplify system deployment

EXTEND TACTICAL NETWORK TO STRATEGIC LOCATIONS
UTILIZE LAYER 3 TECHNOLOGIES TO REACHBACK SATCOM & 4G CELLULAR
SECURE VPN BASED, NETWORK ARCHITECTURE
MAINTAINING LAYER 2 WAVE RELAY® MANET ALLOWS FOR EASE OF USE FOR USER
MULTIPLE ENCLAVES ARE ACCESSIBLE CONCURRENTLY

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