



News

For Immediate Release

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Tactical Exercise in Yuma Proves Syntonics FORAX RF-over-Fiber Product Value by Remoting Two Military Radio Antennas Away from Command Center

COLUMBIA, MD. October 20, 2006 ... Syntonics LLC personnel journeyed to the desert of Yuma, Arizona to successfully test a FORAX RF-over-fiber communications system during a Joint training exercise. Before the introduction of FORAX, the command center's antennas were clustered no more than 300 feet from the radios in the command center, presenting a lucrative target to an enemy equipped with direction finding equipment. Further, each radio had to be connected to its antenna by heavy coaxial cables. By using a FORAX terminal at the radio end and another at the antenna site linked by a single lightweight fiber optic cable, the antennas could be moved up to five miles away. Because of the exercise in progress, antenna remoting was simulated by a 200 meter run of fiber cable. Moving antennas away decreases the electronic signature of the command post and increases the security of the people and equipment in that location.

Syntonics successfully demonstrated the FORAX system with two radios, an LST-5D and the popular PRC-117F. Both radios were operated in the line-of-site (LOS) mode and the LST-5D was operated in TACSAT mode. Communications were loud and clear and observers were please with the FORAX system's performance. TACSAT communications were enhanced by the addition of a TC-100D power amplifier at the antenna site courtesy of Talla-Com of Tallahassee, Florida.

FORAX (Fiber Optic Remote Amplifier Extension) provides a new communications building block for fixed site and transportable military radio systems by connecting multiple military radios to their antennas as far as 10 km away using one lightweight, secure, rugged fiber optic cable. The result can be the removal of radios from "radio hill" to the COC area. FORAX will decrease risk to personnel and costly equipment, decrease time of CP set-up and lower maintenance response time. FORAX also enables users to position their radios where they want them without the current short coaxial cable tether to the antennas.

Syntonics is a specialty defense electronics company that produces the FORAX RF-over-fiber communication systems for military radios and develops innovative antennas for specialty military applications. For more information on Syntonics and its products, please see the company's website at www.SyntonicsCorp.com.