

Virtual Force Emulator Full Spectrum Military Force Simulation

DOD MILDEC and TRAINING Solution

- Simulates a variety of real world situations:
 - PTT Radio networks & conversations
 - Cell phone networks and conversations
 - Iridium satellite phone conversations
 - Typical Internet traffic using geographically realistic IP addresses
 - E-Mail traffic
 - Social Media traffic from Twitter®, Facebook®, and other social media profiles, groups, posts and comments
 - Individual smart phone users for targeting
- Easy to use scripting tools to simulate voice conversations and cyber traffic
- Easily scripted dynamic injects from and for PC and Smartphone
- Comes with OPFOR “targetable” Raspberry Pi smartphone simulators
- Use in Standalone, wired or wireless configurations

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Mildec and Training Solution

We can make an empty FOB appear electronically as if it has a CO/BN/BDE of warfighters on the compound.

Requirement: Our adversaries leverage both COTS and specialized ISR technology to locate our military and diplomatic personnel, determine their movements and access our operational capabilities. The intelligence gleaned from these activities often plays a deadly role in our enemies’ decision making processes. **More than any other time in our history, there is a need to be able to mask our own capabilities and/or to project false capabilities for the benefit of our mission requirements.**

Operational Gap: Due to the way our adversaries (i.e. ISIS and others) now function, there is an urgent requirement for not only H/U/VHF, VSAT (Ku, Ka, X) and BGAN MILDEC platforms, but remote CYBER MILDEC solutions that are available in a tactical, portable form factor. While some solutions exist, they are extremely large, not easily transported into the area of operation and relatively expensive to acquire and operate.

Three proven systems combine to provide cost effective, full spectrum, expeditionary, tactical MILDEC or training solutions

▪ **KER-318 Virtual Force Emulator**

- Simulates satphone, cell phone, PTT radio network transmissions and real conversations
- Proven ISR MILDEC or training platform deployed for 36 months in austere environments without failure
- Ruggedized, man-portable system
- Remotely operated using easy to develop scripts
- Embedded PKI and designed to prevent adversary backtracking to C&C functions
- Modular design enables mission-specific configurations

▪ **KER-322 Advanced Cyber Environment**

- Proven TACTICAL CYBER MILDEC platform
- Ruggedized, man-portable system
- Automated traffic generation and data base population tools

▪ **KER-DFRM Radar Simulation Solution**

- Able to replicate any radar required to establish an ELINT footprint or profile.

Kerberos has developed a modular, proprietary, secure MILDEC platform that includes software and portable, ruggedized hardware kits that enable an operator to deploy the system into or near contested areas and control them from anywhere in the world. Operators can pre-define various RF, cell phone and satellite transmissions and cyber traffic including email, Internet and social media. The remote operator can also inject additional traffic on-the-fly as required by the mission.