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**Command Surgeons Round Table ★ SOF Gear and Technology
Special Operations Medical Gear ★ Cockpit Innovations**

Situational Awareness

Marines on-the-move often outrun their communications capabilities, leaving the forward commander without real-time situational awareness.

The Marine Corps' Networking-On-The-Move (NOTM) system is an advanced wireless mesh-network built around satellite communications, secure local area networks and a designated network operations center that is mounted into a vehicle.

NOTM helps commanders in forward positions with reliable and critical information via voice, video and data.

The flexible NOTM design enables front-line warfighters to send and receive secure and unsecure C2 information across rugged terrain and remote locations with over-the-horizon and beyond-line-of-sight capabilities. NOTM is the only mobile C2 system to date that has passed all tests and received its certifications for operational deployment in the field, the NOTM prime contractor, Pelatron, noted.

NOTM primarily uses COTS components that make the system cheaper to build and maintain. If a COTS component in NOTM fails, it is easier to swap out with working components and to continuously upgrade capabilities. COTS components also ensure high-reliability, ease of maintenance and ease of configuration.

To expand upon NOTM's capabilities, NOTM will integrate full-motion video from UAVs and amphibious vehicles, further



providing forward commanders with information, thus replacing the function of traditional combat operations centers in the rear.

Pelatron is based in Honolulu. The firm is a defense contractor with strong capabilities in innovative design, systems engineering, IT network operations and maintenance and light manufacturing. Pelatron is a Native Hawaiian Organization-owned 8(a) SDB.

Training System

The UTM/Phoenix RBT Solutions non-lethal reality-based training system provides an innovative training approach for service-members. The training system consists of weapon conversion kits, non-lethal training ammunition (NLTA), magazines, training courses, training props, portable training facilities and personal protective gear.

The training system allows users to replicate the stress of military combat without real world consequences. The system allows soldiers to respond and react utilizing their go-to-war weapons and equipment throughout the training cycle, beginning with the fundamentals of marksmanship and continuing through all tactical applications. The goal is to have soldiers train like they fight and fight like they train.

UTM conversion kits offer unprecedented fail-safe features that will not allow the firing of live, lethal ammunition. UTM provides several different NLTA options including the following rounds: Man Marker Round (MMR), Silent Blank Round, Battlefield Blank Round and Target Bullet Round.



Unlike other products on the market, UTM's NLTA does not cause fouling or blockages in the barrel of the gun. The innovative 5.56 mm MMR training ammunition maintains an unprecedented shot group of four inches or less at 30 meters (375 feet per second) and the pistol MMR ammunition maintains a two inch or less shot group at 20 meters (335 fps).

UTM and its training division, Phoenix RBT Solutions, is currently the largest provider to the Army's Close Combat Mission Capability Kit program, providing soldiers with reality-based training without life-threatening risk.