



SQUAD: FOUNDATION OF THE DECISIVE FORCE

July 2014
UPDATE



SFDF is Dedicated to All Dismounted Elements

SFDF Updates

- **Maneuver and Fires Integrated Exercise (MFI):** MCoE is collaborating with FCoE to conduct MFI that will focus on Counter-UAS, Fires, Situational Awareness, Protection and Power (energy). Phase I was completed at Fort Sill in May-Jun 2014 and Phase II at Fort Benning is scheduled for Aug-Sep 2014.
- **Squad Overmatch Study:** Final study report and related recommendations will be submitted to the Army Study Program Management Office by 30 September 2014.

ARTICLES

- **Article: Army Researchers Develop Cargo Pocket ISR:** Researchers at the U.S. Army Natick Soldier Research, Development and Engineering Center are developing a pocket-sized aerial surveillance device for Soldiers and small units operating in challenging ground environments. The Cargo Pocket Intelligence, Surveillance and Reconnaissance program, or CP-ISR, seeks to develop a mobile Soldier sensor to increase the situational awareness of dismounted Soldiers. ([View Article](#))
- **Article: Natick Takes Shelter Ballistic Protection to The 'X' level:** Researchers at the Natick Soldier Research, Development and Engineering Center, or NSRDEC, with help from the Advanced Structures and Composites Center at the University of Maine, have developed the Improved Modular Ballistic Protection System, or MBPS-X. ([View Article](#))
- **Article: Marines Prepare For Future War With Robot Horses and Swimming Trucks:** A squad of U.S. Marines in Hawaii brought a robot deep into the jungle. The Legged Support System (LS3) robot walks on four legs, carries 400 pounds, and shambles its way over rough terrain, like a mechanical mule in a future war. ([View Article](#))
- **Article: Know Your Mechanical Exoskeletons:** Special Operations Command wants Iron Man. Of course. So in May, the Army's Research, Development and Engineering Command put out a request for information for ideas on a Tactical Assault Light Operator Suit (TALOS). ([View Article](#))

- **Article: Natick's 'HEaDS UP' Leads Way:** The U.S. Army Research Laboratory's prototype exoskeleton, the Vertical Load Offset System or VLOS, could one day lead to new helmet technology that displaces the static load of the helmet onto the shoulders and enables the Soldier to tolerate much higher levels of protection and device capability. ([Natick Website](#)) (Right side of Webpage [News & Updates](#): Article is in NSRDEC Soldier Science & Engineering Magazine, Summer 2014)
- **Article: Army Tests Putting NERO Electronic Warfare Jammer on UAVs:** Last month within the mountainous terrain of The Great Salt Lake Desert at Dugway Proving Ground Utah, the U.S. Army conducted flight testing of an unmanned airborne electronic attack capability known as NERO, or the Networked Electronic Warfare Remotely Operated. ([View Article](#))

SFDF WAY AHEAD

- **SFDF Goal.** Collaborate and integrate at Brigade Combat Team (BCT) level and below to support the TRADOC Commander's effort to broaden the approach to involve more of the Army in the experimentation and exercise business.

[SFDF Portal](#)

SFDF Team

SFDF Project Officer: [MAJ Jedidiah Zaffke](#), 706-545-5052

SAIC – Program Integrator: [Mr. David Dice](#), 706-545-0479

Maneuver Center of Excellence, Fort Benning, GA