



SQUAD: FOUNDATION OF THE DECISIVE FORCE

March 2016



SFDF is Dedicated to All Dismounted Elements

SFDF Updates

FY16 Combined Arms Futures Integrated Exercise (CAFIX): TCM-Soldier SFDF is executing the FY16 Combined Arms Future Integration Exercise (CAFIX) series of focused assessments. Technologies assessed include fuel cells, micro-Doppler radar, an integration of Soldier Borne Sensors in the scout section, and others still in development. CAFIX is a MCoE led effort of collaborative futures integration with Defense Advanced Research Projects Agency (DARPA), Natick Soldier Research, Development and Engineering Center (NSRDEC), Army Aviation and Missile Research, Development and Engineering Center (AMRDEC), and other collaborating partners. CAFIX focuses on the integration of future warfighting capabilities in order to inform requirements and enable combined arms capability development for Soldiers and small units.

ARTICLES

- **Article: Army seeks to lighten Soldier loads using robots:** SPRINGFIELD, Va. (Army News Service, March 2, 2016) -- Soldiers are being asked to do the impossible, carrying out missions while humping over 100 pounds of gear, said Col. Kurt "Travis" Thompson. ([View Article](#))
- **Article: Energy harvesting innovations lighten Soldier's load:** Radios, GPS systems and night-vision goggles are just a few of the electronic devices carried by dismounted Soldiers, but all require batteries that can add up to 15 pounds to a Soldier's load. To keep these battery-dependent Soldiers powered up for longer intervals, Army scientists and engineers have developed the Energy Harvester Assault Pack engineered to convert the natural movements of Soldiers into usable power. ([View Article](#))
- **Article: British and US troops collaborate in technology experiments:** FORT BENNING, Ga. (March 9 2016) -- The British 3rd Battalion, The Rifles of the United Kingdom, and Soldiers of A Company, 1st Battalion, 29th Infantry Regiment (Experimentation Force), partnered with the Maneuver Battle Lab to execute the Army Expeditionary Warrior Experiment, experimenting with a myriad of different technologies and how they can be applied to future war fighting tactics. ([View Article](#))
- **Article: Robots: Eliminating the first contact with an enemy force:** SPRINGFIELD, Va. (Army News Service, March 7, 2016) -- "We should be thinking about having a robotic vanguard, particularly for maneuver formations," said Dr. Bob Sadowski. "There's no reason why the first contact with an enemy force should be with a man-platform, because it means that platform is at the greatest risk." ([View Article](#))

- **Article: *Soldiers getting junctional tourniquet designed to save lives:*** FORT DETRICK, Md. (March 1, 2016) -- The U.S. Army Medical Materiel Agency (USAMMA), a subordinate command within the U.S. Army Medical Research and Materiel Command (USAMRMC), is fielding a new junctional tourniquet designed to save warfighters from dying on the battlefield after injuries to the groin or armpit area. ([View Article](#))
- **Article: *What is the Army doing with operational energy?*** The goal of the CASCOM Operational Energy Branch is to reduce consumption and demand to provide operational commanders with increased capabilities in the form of extended range and endurance, increased freedom of action, and therefore, less risk. ([View Article](#))
- **Article: *Unmanned Aerial System: More than just remote controlled planes:*** Under the Army's aviation restructure initiative, UAS can be used for attack missions and to supplement manned missions against the enemies of the U.S. and its allies. ([View Article](#))

SFDF WAY AHEAD

SFDF Goal. To improve the combat effectiveness of maneuver formations from Squad through Brigade Combat Teams.

[SFDF Portal](#)

SFDF Team

SFDF Project Officer: (Vacant)

SAIC – Program Integrator: [Mr. David Dice](#), 706-545-0479
Maneuver Center of Excellence, Fort Benning, GA