



SQUAD: FOUNDATION OF THE DECISIVE FORCE

Aug 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 explores using cyber teams to aid maneuver commanders:** A pilot program known as Cyber Support to Corps and Below, or CSCB, is now providing some maneuver commanders with an improved situational awareness of the information environment and tools to shape that environment. ([View Article](#))
- **Article: Army Tests War Robots in the Pacific:** Soldiers are preparing for war, alongside robots. As part of the Pacific Manned-Unmanned Initiative, soldiers with the U.S. Army's 25th Infantry Division tested prototypes of robots, to see if they might be useful in future battles. ([View Article](#))
- **Article: American Anti-Drone Rifle Deployed In Iraq:** The system has the ability to disrupt the user's control link to their drone as well as its ability to sync with a GPS network. It is unclear what type of frequency the rifle uses to attack its target, but the size of the dual front-mounted antennas suggest that the disruption pulse is distributed across multiple radio frequency bands. ([View Article](#))
- **Article: Unmanned aerial vehicle to provide battlefield intelligence:** Soldiers may someday have a new set of eyes on the battlefield thanks to a small unmanned aerial vehicle so new that it doesn't yet have a name. ([View Article](#))
- **Article: Natick, Tufts University and 82nd Airborne put Soldier learning front and center:** The U.S. Army Natick Soldier Research, Development and Engineering Center; Tufts University; and the 82nd Airborne Division -- are working together to improve learning, teaching and memory techniques for the paratrooper. The Center for Applied Brain and Cognitive Sciences is facilitating their work. ([View Article](#))

- **Article: *Musculoskeletal specialists provide physical training assistance to Soldiers*:** As new recruits train to become Infantrymen and Armor Soldiers at Fort Benning, their level of pre-training fitness is oftentimes a determining factor on how susceptible they are to injuries. ([View Article](#))
- **Article: *The weight of war: marching to win means keeping ahead of injury*:** During dismounted troop foot movement, Soldiers must carry heavy equipment over varying terrains with multiple environmental hazards. Heavy loads can lead to rapid fatigue, greater food and water requirements, awkward body postures, and stress and friction to body parts. ([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

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