



SQUAD: FOUNDATION OF THE DECISIVE FORCE

May 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: *Time and Place: Army S&T provides integrated PNT:*** Soldiers may still huddle around acetate maps or exchange radio communications for mission planning, but they ultimately rely on Global Positioning Systems, or GPS, for positioning, navigation and timing, or PNT, capabilities. ([View Article](#))
- **Article: *No GPS? Listen to VLF radio signals to find way home:*** The Defense Advanced Research Projects Agency is working now to develop a backup system to be used by service members in the event that access to the Global Positioning System, or GPS, is denied to them by adversaries. ([View Article](#))
- **Article: *Army researchers collaborate with industry on next-generation ceramics:*** Army researchers are exploring options for the next generation of lightweight ceramics for dismounted Soldier protection. ([View Article](#))
- **Article: *Army modernization evaluation ensure Soldiers are properly equipped to fight:*** Fort Bliss, Texas (May 17, 2016) -- Over 5,000 people from across the country contributed to the Soldier-led Network Integration Evaluation that came to completion, May 14. ([View Article](#))
- **Article: *Army enhances NetOps, the eyes and ears of the network:*** During battlefield operations, a brigade's fleet of Warfighter Information Network-Tactical (WIN-T) network equipped vehicles are often spread out across great distances and austere terrain, supporting both stationary command posts and on-the-move missions. Newly enhanced and simplified Network Operations (NetOps) tools will

make it easier for communications officers (S6s/G6s) to see the "big picture" as they plan, manage and defend the vast tactical mission command network, increasing its security and strength. ([View Article](#))

- **Article: Army uses technology to increase aerial delivery accuracy:** Researchers at the U.S. Army Research Laboratory have developed a new system that will enhance the capabilities of U.S. Army Pathfinders as they conduct aerial operations. ([View Article](#))
- **Article: Training deployment in Pacific offers pathway to leader development:** A primary benefit to participation in Pacific Pathways, said 1st Sgt. Christian E. Lopez, is that it provides for Soldiers ample opportunity to develop for the future. ([View Article](#))
- **Article: Army Research Institute develops app for acute mountain sickness:** When Soldiers are suddenly hit with a wave of Acute Mountain Sickness while operating at high altitude, they might as well be considered casualties. For anyone, working with nausea, fatigue and a throbbing headache is nearly impossible. Yet, the Army has never had technology to plan around the debilitating effects of mountain sickness--until now. ([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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