

system, where Soldiers wear smartphones on their chest, and night vision goggles with infrared and thermal technology — they were all presented and tested here,” said MAJ Joseph Tague, MBL operations officer.

The AEWE runs from the beginning of the fiscal year in October through the second quarter, culminating in March with an insights brief. Outcomes and recommendations gathered during AEWE feed the Army Modernization Strategy, supporting the U.S. Army in multidomain operations, and this data informs leadership about the functionality and capabilities available. For many participating technologies, this means getting on the radar for future Army equipment decisions.

### Here and Now

“Inviting our partners and allies to collaborate on next-generation military warfare enhances our foreign relationships and underlines the significance of how enduring partnerships are a way our joint forces can deliver ready combat formations and strengthen the profession of arms,” said COL Shaw.

This year, AEWE has 48 participating concepts that will be put to the test over 50 days, which includes training and data collection conducted at Fort Moore. For AEWE, MBL brought together 182 Soldiers to comprise a multifaceted experimentation force of MCOE service members; foreign allies participating from the British Army, Dutch Army, and German Army; and a platoon of Soldiers from Fort Johnson, LA, who will serve as the opposition force acting as near-peer adversaries during force-on-force exercises.

“We need to be able to understand how we can integrate new technologies into both our infantry and armor formations,” Willis said. “From the experiment, we are trying to understand the operational effectiveness of new capabilities, looking at concepts, formations, or technologies, and how all three of these connect and could affect each other.”

Soldiers will evaluate components from seven categories — lethality; survivability; mobility; training; intelligence, surveillance, and reconnaissance; command and control; and sustainment — of these emerging technologies to gauge their potential effectiveness on modern battlefields. Experimenting and testing proposed concepts and capabilities can directly determine what tools could benefit the force and enhance tactical skills at the lowest echelon.

*(Camelia Streff works for the U.S. Army Maneuver Center of Excellence Public Affairs Office.)*

# Army Futures Command CG Lays Out Continuous Transformation Plan

CHRISTOPHER HURD

To give Soldiers what they need to win the nation’s wars now and in the future, the Army must continuously transform and adapt to advances in technology, said GEN James E. Rainey, commanding general of Army Futures Command (AFC).

This flexibility is needed, he said, because of how quickly the environment is evolving.

“The amount of technical disruption in the character of war is unprecedented, and it just continues to go faster and faster,” GEN Rainey said during a keynote presentation at the U.S. Army Global Force Symposium in Huntsville, AL, in March. “Whatever you think you know this year, come back in 90 days and you’ll know something different.”

To combat this changing landscape, the service is focused on transformation in three different periods: 18–24 months, two to seven years, and seven to 15 years. Work done in each period has a ripple effect on the others.

The first period is referred to as transformation in contact. This area deals with capabilities delivered to deployed warfighters for testing and analysis. They provide real-world feedback allowing the Army to make necessary adjustments for future use. In this area, the Army can adapt to current warfighting conditions. This was used when the service noticed the value of loitering munitions, also known as suicide drones, in the war in Ukraine. AFC put in a priority-directed requirement and is in the process of buying the capability.

AFC is also working with industry partners on ground-based rockets, ground-based missiles, and counter-unmanned aerial systems (UAS)



*An Infantry Soldier assigned to 1st Battalion, 29th Infantry Regiment assembles the Ghost-X unmanned aircraft system during Project Convergence Capstone 4 at Fort Irwin, CA, on 11 March 2024. (Photo by SSG LaShic Patterson)*

that work on offense to protect light infantry and armored companies.

“The United States Army, we believe in offense and attacking,” he said. “So, there is a big opportunity to figure out how we are going to provide effective counter-UAS capabilities to units on offense.”

Human-machine integrated formations is another initiative the service is working on in the 18–24-month period. This program brings robotics and autonomous vehicles into fighting formations. The goal of the project is to keep Soldiers out of harm’s way whenever possible. The Army tested numerous integrated formations during Project Convergence Capstone 4 at Fort Irwin, CA, in March.

“This is one of our major efforts inside the Army,” GEN Rainey said. “It’s going very well and is full of opportunities to go to the next level. We’re never going to replace humans with machines; it’s about optimizing them.”

The Army will start prototyping the first integrated platoons in the next two years.

The two-to-seven-year period is known as deliberate transformation. In this time frame, the service is continuing to work on the Future Long Range Assault Aircraft (FLRAA), extending the range of cannon artillery, adding magazine depth, and improving indirect fire weapons, engineering capabilities, and the network. GEN Rainey said the service’s number one priority in deliberate transformation is improving the network. The service is working on a data-centric system to enable commanders to make quicker and more informed decisions.

The Future Long Range Assault Aircraft is a hot topic issue with the service’s recent aviation rebalance. GEN Rainey assured that the Army is committed to FLRAA and the capability it brings to maneuver rifle squads.

“We don’t do attrition warfare,” he said. “We do maneuver warfare. So, FLRAA is an absolute must we have to continue to deliver, and it’s in good shape.”



*The HIVE unmanned aircraft system prepares to take flight during a human machine integration experiment as part of Project Convergence Capstone 4 on 11 March 2024. (Photo by SGT Gianna Chiavarone)*

Innovating in engineering battalions is another key priority for the Army, he explained.

“We’re more likely to get stopped by the terrain than by an enemy we fight and that’s not OK,” he said. “We [have got to] get after the engineering transformation and modernization.”

The Army announced the end of the Extended Range Cannon Artillery platform program in March, but the requirement to extend cannon fire remains. The service recently completed a tactical fires study on artillery modernization. The research from the study showed significant success in extending the range by making adjustments to the rounds, GEN Rainey said.

AFC is taking this knowledge and looking at ways to innovate the rounds and the propulsion systems. They are also looking to increase magazine depth to give Soldiers not just the capability but the capacity they need.

The last time frame is referred to as concept-driven transformation. This is where the Army is looking to sustain advantages, develop new capabilities, and build endurance for future conflicts. The service is working on merging offensive and defensive fire systems, adding robotics to contested logistics, bringing survivability and lethality to light infantry divisions, decreasing the weight of armored formations, and increasing its emphasis on war gaming.

This continuous transformation over all three periods is meant to make the Army more adaptable, flexible, and lethal while giving Soldiers the capacity and capabilities to win now and in the future.

“Whatever we do as we transform, we have to preserve that people advantage we have,” GEN Rainey said. “They are our greatest asset.”

*(Christopher Hurd writes for the Army News Service.)*



*A U.S. Army unmanned, eight-wheeled, all-electric, all-terrain transport vehicle armed with the R600 autonomous weapon system provides support to dismounted Soldiers as part of a human integration experiment. (Photo by SPC Samarion Hicks)*