



PROJECT CONVERGENCE

“Convergence” is one of the core tenets of the Army’s warfighting concept, Multi-Domain Operations. Project Convergence is how we turn that concept into reality. Joint by design, **Project Convergence ensures that we can fight and win as one Joint team.** It enables the joint warfighting concept, Joint All-Domain Operations, and all of its supporting concepts. Project Convergence brings together the right people, the right units, and the right capabilities, all correctly positioned around the world, enabled by the right technologies.

Project Convergence is the Army’s new campaign of learning, designed to aggressively advance and integrate our Army’s contributions to the Joint Force. It ensures that the Army, as part of the Joint fight, can rapidly and continuously integrate or “converge” effects across all domains – air, land, sea, space, and cyberspace – to overmatch our adversaries in competition and conflict.

Project Convergence is the centerpiece of the transformational change the Army is undertaking to stay ahead of emerging challenges to our national security. The pace of technological change is accelerating, and our nation’s adversaries are more determined than ever to exert their will and influence. The future fight, as described in the National Defense Strategy, will be characterized by greater speed, growing autonomy, and increasingly dispersed footprints, in degraded or denied environments. Whoever is able to see, understand, and act first, will win.

For the Army, **the core challenges of the future fight are speed and scale.** The future fight will be much faster – there will not be time before each action to conduct military decision-making, and decide which capabilities to employ against which targets. And in the future fight, the Army will have far more sensors than ever before – every Soldier and piece of equipment, across the Army’s dispersed footprint will be a sensor. **Project Convergence ensures that the Army has the ability to employ all sensors, the best shooters, and the right command and control nodes, with the appropriate authorities, in near real-time, to support the joint kill web – to converge effects against the adversary.**

Project Convergence is designed around five core elements: people, weapons systems, command and control, information, and terrain.

People. **People are the foundation for everything the Army does** – the Army needs the right Soldiers and the right units, to win. Based on the Army People Strategy, the Army is making sure we have the right people, with the right skills and training, in the right roles, to succeed in complex future missions. The Army is also designing and fielding the right units for the future fight. Our Multi-Domain Task Forces will deliver cross-domain effects during both competition and conflict. Project Convergence helps the Army shape the future force we need.

Weapons Systems. **The Army’s “31+3” signature materiel modernization efforts give our Soldiers the weapons systems they need to be the most lethal and effective force in the world.** Army Futures Command’s eight Cross-Functional Teams, and the Army’s Rapid Capabilities and Critical Technologies Office, lead these efforts, which support the Army’s six modernization priorities. Project Convergence leverages the “31+3”, linking them together and deepening their integration, to give the Army the ability to act faster and more effectively than the adversary.

Command and Control. For the increasingly fast-paced and complex future fight, the Army needs the right command and control systems, to direct and control the “31+3” weapons systems. The Army has already invested significantly in what we call “mission command” systems – a term that emphasizes centralized intent and decentralized execution. These systems include the Integrated Tactical Network, and the Command Post Computing Environment, as well as the Integrated Air and Missile Defense Battle Command System. These Army systems complement the systems that other Military Services are creating, and they will all plug into the common architecture that the Joint Staff is building. **Project Convergence ensures the integration of the Army’s weapons systems and command and control systems, and their compatibility with the rest of the Joint Force.**

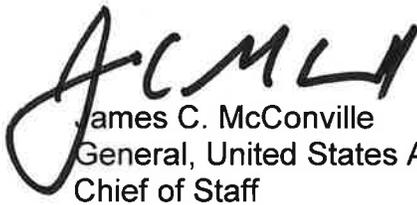
Information. To solve problems with agility in a complex, uncertain environment, **the Army must leverage information and data – at scale – more quickly and effectively than our adversaries.** All of the data that the Army’s thousands of sensors gather will need to be collected, tagged appropriately, and made available to the right users at the point of need. Project Convergence is empowered by artificial intelligence and machine learning to increase speed, improve accuracy, and help provide options for pairing platforms and effects. It is enabled by the Cloud, which extends our operational reach by letting us store and access data from anywhere, based on appropriate data standards and protocols. And it is supported by a reliable common transport layer, including low-earth orbit satellites, which provides redundancy and resilience as well as speed. These enablers complement those of the rest of the Joint Force and help enable Joint action.

Terrain. The Army’s Soldiers and units, with the right weapons, command and control systems, and data enablers, correctly positioned globally, provide access and open up windows of opportunity for the rest of the Joint force. Simply put, terrain matters.

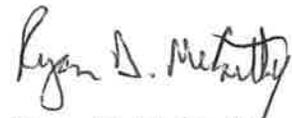
Through experimentation and learning, **Project Convergence helps ensure that the Army has the right people, with the right systems, appropriately enabled, in the right places, to support the Joint fight.**

In practice, **Project Convergence is based on a continuous, structured series of demonstrations and experiments.** The Army is demonstrating technologies as often as every two weeks. Those events inform each other, and they build to annual capstone events at Yuma Proving Ground. In the future, a warfighting operational headquarters will serve as the cornerstone of the Yuma events. The learning campaign will generate discoveries that inform not only how the Army applies technology and develops capabilities, but also how it designs and postures the force, and how it plans to fight that force.

Getting this right will be hard, costly, and non-linear. We will learn as we go, and adjust on the basis of that learning. **Project Convergence is the right approach.** It will give us the ability to complement and enable the rest of the Joint Force. And, it will give us the overmatch we need to deter war and, when necessary, win decisively on a future battlefield.



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