



MOVEMENT AND MANEUVER

08 OCT 2020

JADO VISION FOR MOVEMENT AND MANEUVER

The JADO vision for movement and maneuver enables deliberate and opportunistic convergence through positioning of forces and capabilities to create multiple adversary dilemmas.

JADO movement and maneuver requires forces and capabilities from multiple domains, synchronizing and aligning actions, and deliberate positioning to converge effects to gain and maintain advantage. Convergence is also achieved through timely exploitation of emergent opportunities. Convergence is more difficult to achieve in degraded or denied [command and control](#) (C2) environments that require units to operate on commander's intent and mission-type orders.

PLANNING AND EXECUTION OF MOVEMENT AND MANEUVER

Opportunistic convergence emerges from changes in the operational environment that can be exploited to further joint force objectives. Building schemes of maneuver which provide for opportunistic convergence should be considered across domains at all echelons.

Movement and maneuver planning for JADO requires integrated planning teams and shared information across the joint force. The joint force commander's (JFC) movement and maneuver concepts are outlined in the operations plan and further refined in an integrated tasking order (ITO). The movement and maneuver of forces largely depends on the JFC's scheme of maneuver and intent. Execution of the JFC's movement and maneuver plans requires a joint all-domain C2 structure capable of converging effects at a time and place to create multiple adversary dilemmas and supporting friendly freedom of action.

Maneuver in the electromagnetic spectrum (EMS) supports JADO by providing resiliency to adversary degradation and denial attempts. The ability to change spectrum bands and use frequency agility to evade interference (e.g., a jammer) increases

adversary dilemmas in intelligence, surveillance, and reconnaissance and allows for persistent friendly communication.

Maneuver in space supports JADO through deployment, repositioning, or reorienting of on-orbit assets and terrestrial space forces. These actions support asset optimization, protection from environmental hazards, passive defense, positioning enabling active defense or offense measures, and follow-on space actions, as well as follow-on actions in other domains, creating multiple dilemmas for an adversary.

Maneuver in cyberspace supports JADO without establishing a physical presence. It includes accessing adversary networks to support follow-on offensive and defensive actions in cyberspace, enabling convergence of effects in the EMS and other domains, while protecting friendly networks. These cyberspace actions create multiple dilemmas for an adversary.

CROSS DOMAIN CONVERGENCE

During an operation in Africa, a USAF aircraft conducted overhead ISR, providing real-time intelligence to the ground force commander. Live video of the operation streamed via satellite to the allied headquarters, and voice communications over SATCOM allowed the headquarters to enable conditions-based, delegated authorities as the situation on the ground changed.

While overhead the target area, the US aircraft's EMS suite detected a threat to the assault force. After confirming their indications, the aircrew advised the ground team that intelligence confirmed their interpreter had been acting as a double-agent and had compromised the operation.

This historical vignette demonstrates agility across land, air, space, and the EMS, and the ability to converge capabilities and assets to provide intelligence, fires, and protection. JADO will enable this type of operation at the scope and scale of major combat operations.