



Exercises, Wargaming, and Experimentation



The war on terrorism and combat operations in Afghanistan and Iraq have severely strained Department of Defense (DOD) budgets and reduced opportunities to routinely engage in large-scale training. Gaming is increasingly seen as an effective, efficient means to test threat responses and provide training and education at all force levels while reducing costs of travel, training, infrastructure, and instruction.

Traditionally, each service has designed and implemented its own wargames, exercises, and experimentation. In the future, joint service exercises will play an increasingly important role as the DOD adapts to changing global threats and increases its readiness to respond to natural disasters or terror attacks at home.

ICF Approach

Drawing on more than 20 years of top-level experience with DOD clients, ICF International has a successful record of designing and implementing comprehensive exercises, wargaming, and experimentation.

ICF's distinguishing approach is the development of a client Campaign Plan that creates the design for exercises, wargames, and experimentation based on the precise outcomes the client seeks to test. With proven expertise in all facets of gaming, ICF is uniquely positioned to deliver tailored solutions to client requirements.

Key Elements of Campaign Plans:

- ICF subject matter and functional experts assist clients in defining and prioritizing organizational goals.
- The plan is adaptable to projects of any scale.
- Our expertise in program design enables clients to implement programs efficiently—an essential factor as military budgets become more constrained.
- Critical operating elements and logistics support components are incorporated into the demonstration to ensure its fidelity to realistic outcomes.
- Plans feature forward reaching analysis of lessons learned, creating a continuum from concept to conclusion.

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Featured Solutions

Joint Staff's Focused Logistics Wargame (FLOW) and the Air Force's (AF) Joint Expeditionary Forces Experiment (JEFX) Global Engagement

Since FLOW's inception, ICF has been the Air Force's primary contractor for FLOW support. We supported both Deputy Chief of Staff, Installations and Logistics, Headquarters AF, and the Air Force Logistics Management Agency by:

- working with the Joint Staff Services, Unified CINCs, federal agencies, and nongovernmental agencies to coordinate AF wargaming planning and execution;
- coordinating all modeling and simulation efforts
- developing wargame scenarios;
- authoring the AF portion of FLOW documentation (Game Book, Results Report);
- coordinating the design, construction, and stand-up of the FLOW Internet Web site;
- supporting the FLOW during game week, on-site, at a deployed location;
- drafting the AF FLOW Master Plan and Roadmap;
- providing functional expertise, modeling and analysis tools, data, and other assistance to ensure successful AF participation in FLOW; and
- recommending modifications and enhancements to future FLOW wargames.

JEFX is a series of experiments to expedite the building of the 21st century Expeditionary Air Force. ICF coordinated all strategic planning actions for the experiment's Aerospace Investment Category and we:

- produced and coordinated all experiment capstone documents;
- developed an investment strategy work plan;
- coordinated requirements and input with and from various AF exercise stakeholders;

- built, employed, and supported a Collaborative Beddown Planner to facilitate collaborative planning and assessment of planned or potential beddown airfields; and
- supported the Logistics Simulation and Analysis Model as a decision support tool to improve real-time analysis and predictability of critical warfighting resources by providing operational and technical expertise, training, and software maintenance.

Air Force Agile Combat Support (ACS) Operations

ICF has developed the operational concept and implementation plan for ACS operations. The plan includes a timeline and road map of critical actions required to transform combat support functions and the related information system and support tools in order to meet mission requirements. Through expertise in the exercise, wargames, and experiments arena, ICF helped improve the fidelity of ACS logistics operations play, providing the warfighter with an accurate assessment of future logistics support capabilities, and measuring the impact of varying degrees of support capabilities on achieving operational mission accomplishment.

Joint Deployment and Joint Force Projection

For the Joint Forces Command, ICF teamed with Northrop Grumman to reengineer into a streamlined, network-centric process that provides greater visibility and control of personnel and materiel, thus speeding force deployment and sustainability. This project led to the development of a new Integrated Joint Force Projection Process that defines and integrates key elements of force projection.

About ICF International

ICF International (NASDAQ: ICFI) partners with government and commercial clients to deliver consulting services and technology solutions in the energy, climate change, environment, transportation, social programs, health, defense, and emergency management markets. The firm combines passion for its work with industry expertise and innovative analytics to produce compelling results throughout the entire program life cycle, from analysis and design through implementation and improvement. Since 1969, ICF has been serving government at all levels, major corporations, and multilateral institutions. More than 3,000 employees serve these clients worldwide. ICF's Web site is www.icfi.com.

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