

OAD FUNCTIONAL AREAS

OPERATIONS ANALYSIS DIRECTORATE COMBAT DEVELOPMENT AND INTEGRATION

AB

Analysis Branch

- Completes studies submitted through the Marine Corps Study System
- Conducts multi-disciplinary studies of importance to senior Marine Corps leadership

COAST

Current Operations Analysis Support Team

- Provides direct operations research analysis support to the OPFOR
- Provides current operations data and analysis support to USMC organizations such as MCIA, MCWL, MARCENT, TECOM, SYSCOM, etc.

JEA

Joint & External Analysis Branch

- Conducts analysis and represents the Marine Corps in Joint and external studies and analyses
- Provides analytical support to USMC agencies on strategic questions

CAB

Capabilities Analysis Branch

- Provides capabilities-based analyses of future warfighting requirements, primarily using modeling and simulation
- Conducts studies to support combat development and systems acquisition

SC

Support Center

- Provides program management and business support
- Provides contract/acquisition support services, and budget and financial planning and execution
- Provides administrative, operations, and technical editing support
- Maintains information technology systems

AIC

Analysis Integration Center

- Provides analytic support to the USMC Capabilities-Based Assessment process
- Provides analytic support to Futures Directorate and the Marine Corps Warfighting Lab



How do I get help with a problem?

E-mail: mcss@usmc.mil
<http://www.mccdc.marines.mil/Units/OAD/>

The Operations Analysis Directorate is the focal point of Marine Corps operations research, rigorous quantitative analytic support, and studies management. We provide critical support to the Marine Corps by blending a comprehensive understanding of military operations with advanced analytic tools.

<https://mccdc.portal.usmc.mil/org/OAD>

OAD

Supporting the Marine Corps with timely, objective and rigorous quantitative analysis

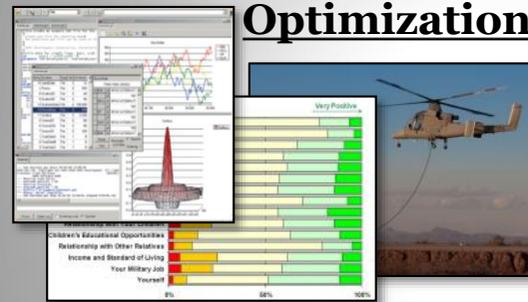
Acquisitions Decision Analysis

“What are the requirements? How many do we need, and how many can we afford? What affect does it have on battle outcome?” These are just a few of the combat development and acquisition questions we can help answer through rigorous, quantitative techniques.



OAD leads many important Analyses of Alternatives, and our products often feed the acquisitions decision-making process.

Optimization & Statistical Analysis



We use statistics and data mining to analyze the effectiveness of many types of systems and processes.

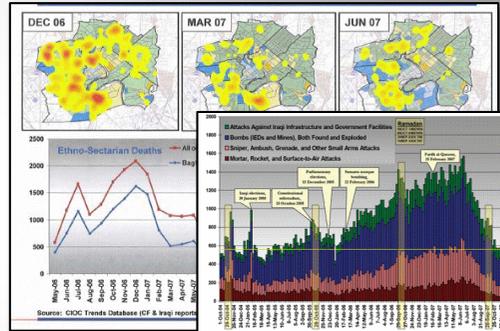
Through statistics and data mining, we can help separate the signal from the noise. Using powerful optimization methods, we can make your organization more effective and efficient—we can help you do more with less.

Current Operations Support

Since 2003, OAD has deployed Marine and civilian analysts to support operations in Iraq, Afghanistan, and Africa. Our analysts provide responsive and relevant analyses and assessments on kinetic activity, casualties, targeting, logistics, host nation effectiveness, manning levels, and other mission-related topics.



Deployed OR analysts in Marjah, Afghanistan



Our analysts provide detailed trend and geospatial analysis to the warfighter.

Strategic Analysis

OAD engages in joint and external analyses to represent and protect the equities of the Marine Corps, coordinating with the joint community to inform strategic decision-making.



We assist in the development of joint scenarios.

Analytic Modeling & Simulation

OAD is the home of analytic modeling & simulation (M&S) in the Marine Corps. We use a variety of high-end M&S tools including COMBAT XXI, STORM, Systems Toolkit (STK), OPNET, and STOMM-V/S to provide timely analysis to decision-makers.



OAD analysis using M&S identified the heavy-lift requirement that will be satisfied by the new CH-53K.



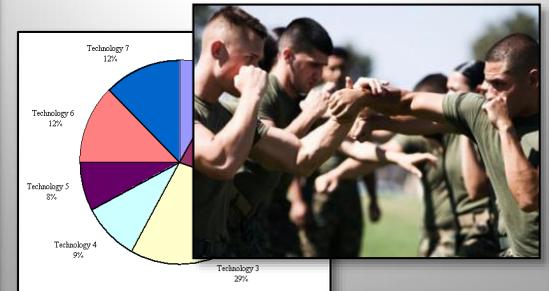
COMBAT XXI is a powerful, high-resolution combat simulation used to model engagements at the entity (i.e., individual Marine and vehicle) level.



The Synthetic Theater Operations Research Model (STORM) is a theater-level simulation used to inform strategic decision-making.



Systems Toolkit (STK) is a cutting-edge 3D analytic environment, used in numerous unmanned aerial system (UAS) and communications studies.



Our analysis informs force development decisions.