



# Natick Soldier Center's Modeling and Analysis Center

The Modeling and Analysis Center supports decision makers through the development and exercise of the models and tools utilized to perform the critical analyses required throughout the acquisition life cycle. Ideally, it will become the recognized Center of Excellence within the Department of Defense for Warrior Systems Modeling and Analysis.

Through the application of Simulation and Modeling for Acquisition, Requirements, and Training (SMART) and Simulation-Based Acquisition (SBA), we provide benefit to the customer by:

- Reducing Program **Risk**,
- Reducing Program **Costs**,
- Reducing Program **Schedule**, and
- Enabling Improved System **Performance**.

Customers of the Center can receive:

- Assessment of Combat Worth
- System Integration Analyses
- Program Investment Decision Support
- Milestone Decision Support
- Basis of Issue Evaluation
- System / Technology Down Selection Support
- Performance/Cost Trade Analyses
- Analysis of Alternatives (AOA) Inputs
- Front End Analyses
- Risk Reduction Analyses

#### Customer Breakout:

- Scientists & Engineers
- Program Managers
- RDECOM Centers
- Infantry Center
- DUSA (Operational Research)
- International Cooperative Partners

#### Team Resources:

- Operational Research Analysts
- Programmers
- Project Managers
- Statisticians
- Subject Matter Experts:
  - Warfighter Modeling
  - Chemical / Biological Defense

#### Models & Tools Utilized:

- Infantry Warrior Simulation (IWARS)
- Integrated Casualty Estimation Methodology (ICEM)
- Joint Conflict And Tactical Simulation (JCATS)
- Dynamic Nutrition Model (DYNUMO)
- Janus
- One Semi-Automated Force (OneSAF)
- Close Action Environment (CAEn)
- Data Access & Retrieval Tool (DART)
- Statistix
- Number Cruncher Statistical Software (NCSS)
- Analytical Business Modeling Software
- MATLAB

#### Point of Contact:

##### Released By:

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