

Readiness 2009

*Using Simulation to Achieve Predictive
Readiness for the Department of Defense
and the Industrial Base*

May 12, 2009

Arlington, VA
Westin Gateway Arlington Hotel



Conference Topics

- Providing efficiencies in Global Force Management
- Improve force readiness through predictive analytics and synchronization of force requirements and resources (Army Force Generation)
- Predictive Strategic Resource Capacity Planning to Support Manning, Equipping and Training
- Quantifying the Impact of Budget Constraints on Capability and Readiness
- Accelerating Lean Six Sigma for Transformation
- Preparing the Supply Chain for Demand Changes
- Predictive Project and Portfolio Planning



Overview

The Department of Defense and the supporting contractor community are faced with constant change driven by a complex set of dynamic mission requirements, budget constraints and changes in the administration. These dynamics, combined with the current state of the force which is feeling the effects of supporting extended persistent conflict around the world, requires innovation in the decision support process.

Organizations from the DoD, the industrial base, and academia are partnering with ProModel to develop unique and innovative custom modeling and simulation solutions as part of their transformation into intelligent enterprises aiming to achieve maximum readiness and sustainability—always prepared for whatever the future brings.

Some of the partners with whom ProModel works with include:

- US Army FORSCOM, US Air Force Manpower Agency, US Army Accessions Command, Center for Army Analyses
- US Military Academy at West Point, US Air Force Academy
- SAIC, Textron, Raytheon, Lockheed Martin, Northrop Grumman, General Dynamics, BAE Systems, Boeing Defense Systems, ITT Defense, and United Space Alliance

Join many of these organizations at this conference and explore with your peers and counterparts how predictive analytic simulation technology is being deployed to provide innovative decision support tools and methodology directly impacting the warfighter.

Preliminary Agenda

Tuesday, May 12

Registration	8:00 - 9:00
Sessions	9:00 - 12:00
Lunch	12:00 - 1:00
Sessions	1:00 - 5:00
Networking Reception	6:00 - 7:00
Dinner	7:00

Speaker Preview

Fred Rawcliffe

Military Operations Analyst

Project Manager - ARFORGEN Synchronization Tool (AST) for U.S. Forces Command (FORSCOM)

Army Force Generation Synchronization Tool

U.S. Army Forces Command trains, mobilizes, deploys, sustains, transforms, and reconstitutes conventional forces, providing relevant and ready land power to Combatant Commanders worldwide. FORSCOM achieves this mission capability by progressively increasing unit readiness over time in accordance with the Army's force generation process (ARFORGEN).

AST is the means to simulate the flow of Army units through ARFORGEN to produce a prediction of usage over time. AST also produces key analysis and information products such as the Army Sourcing Laydown (ASL) and associated "ribbon charts", which are used by the training, manning, equipping, and resourcing functional areas to synchronize events within ARFORGEN.

Laura Guay and Joe Corona

Modeling and Simulation Specialists, United States Army Accessions Command

Manning Flow Model for the U. S. Army Accessions Command (USAAC)

The USAAC Center for Accessions Research (CAR) developed an Accessions Flow Model to examine the enlisted recruiting process and its impact on Brigade Combat Team (BCT) demand. The model includes the accessions process from "first handshake to first unit of assignment". Current functionality takes into account occupational shortages and the impact on BCT skill level 1 initial entry training fills. In the current form, the model allows analysts to run what-if scenarios using different accessions factors. Long-term, the goal is to synchronize this model with other ARFORGEN manning models, such as FORSCOM's ARFORGEN Synchronization Tool and the Army G1 ARFORGEN BOG:Dwell Model.

Haggai Elitzur

Center for Naval Analyses

Navy Master Aviation Plan Simulation

Commander Naval Air Force (CNAF) is responsible for providing operationally ready aircraft squadrons to train and deploy with the U.S. Navy fleet. The long-term scheduling of all the different types of squadrons that serve on aircraft carriers requires the coordination of asset allocation on multiple levels: carriers, airwings, individual squadrons, and individual aircraft. The Center for Naval Analyses (CNA) has been developing ProModel simulations to model the squadron allocation process, both as an analysis tool and as an interactive aid for Navy schedulers. These tools will provide a valuable asset for developing schedules and analyzing the implications of inventory decisions at all levels of naval aviation.

Krista Elefante

Operations Research Analyst, SAIC

SAIC is a FORTUNE 500® scientific, engineering, and technology applications company that uses its deep domain knowledge to solve problems of vital importance to the nation and the world, in national security, energy and the environment, critical infrastructure, and health. The Navy Executive Business Model was developed to provide Navy executives insight into DON (Department of Navy) financial management within the Federal Budget context. It is designed to:

- Provide an understanding of the relationships between cost and capabilities*
- Analyze future Navy/USMC capabilities and associated costs with emphasis on investments (hardware), people, and readiness*
- Analyze effects of the budget appropriation structure on funding streams, alternatives, and opportunities*
- Analyze divestiture issues*
- Be used in an iterative process within DON budget development*

Other companies participating in this year's conference are GD Land Systems, AFMA, SAIC, Bearing Point, Lockheed Martin, CAA, and West Point Academy.

Who should attend?

Members of the DoD/government community who are challenged with:

- Strategic resource capacity planning and synchronization efforts to include:
 - Manning
 - Resourcing
 - Equipping
 - Training
- Shortening the decision support process and enabling rapid dynamic course of action planning
- Implementing Lean/Six Sigma and other continuous process improvement initiatives to truly affect performance and transformation
- Quantifiably predicting the impact of today's decisions on future capability, cost and readiness

Register

CONTACT INFORMATION

Name: _____
Company: _____
Address 1: _____
Address 2: _____
City: _____
State: _____ Postal Code: _____
Country: _____
Phone: (____) _____
Fax: (____) _____
Email: _____

CONFERENCE PACKAGE

Registration for Readiness 2009: Using Simulation to Achieve Predictive Readiness for the Department of Defense and the Industrial Base

Conference \$399

PAYMENT OPTIONS

Credit Card
 VISA MASTERCARD AMERICAN EXPRESS DISCOVER
Credit Card Number: _____
Expiration Date MONTH DAY YEAR ____ / ____ / _____

Accommodations

The Westin Arlington Gateway

The conference will be held at the Westin Arlington Gateway in Arlington, VA. We have a block of rooms reserved for the event.

You can call Westin Reservations at 1-888-627-7076. Rooms are blocked under ProModel Corporation; guests must refer to this group name or the group code (PME11A) in order to receive the group rate of \$239 per night.

For more information about the hotel you can visit www.starwoodhotels.com

ProModel[®]
VISUALIZE ANALYZE OPTIMIZE **VAO** >>>

To register, please fax this form to: (801) 226.6046 or visit our online store: www.promodel.com
If you have any questions, please contact Christine Bunker at (801) 223.4601 or email at cbunker@promodel.com.

Click here to register online using the ProModel Online Store