AST
ARFORGEN SYNCHRONIZATION TOOL

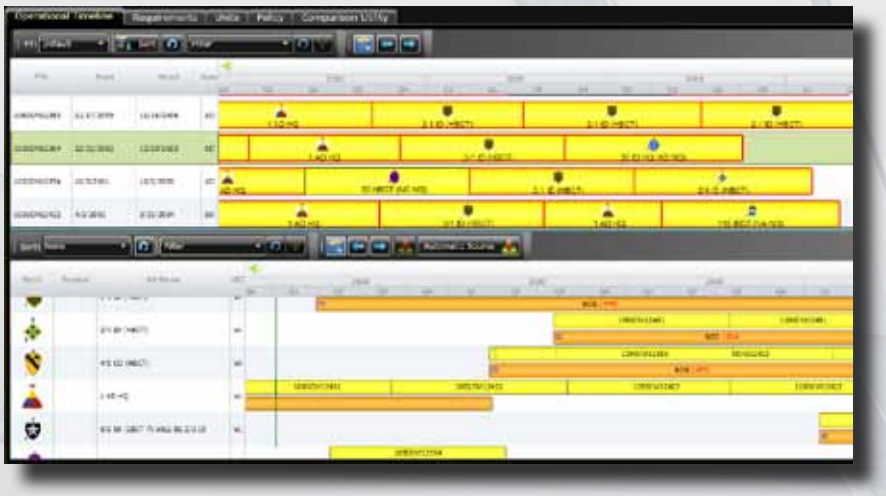
Background

Manning the GWOT (Global War on Terror) and other security efforts at home and abroad, while protecting the precious time soldiers have at home with their families, is a complex logistics challenge. To accommodate this ever-growing challenge, the United States Army has transformed its internal structure, organization and process to create a joint and expeditionary army, that synchronizes resources and predicts the impact of future requirements. The Army needed innovative technology to compliment this recent transformation. ProModel Corporation was selected in 2006 to partner with FORSCOM to develop a toolset that simulates Army personnel moving through the ARFORGEN (Army Force Generation) process and provides the necessary predictive capabilities. The resulting technology developed by this partnership is the ARFORGEN SYNCHRONIZATION TOOL (AST).

Objectives

The four major objectives to be supported by AST are as follows:

1. Gather all Army conventional force requirements worldwide in one location and review validated requirements over time.
2. Assess the conventional forces inventory (Army units) flowing through the ARFORGEN process.
3. Source force requirements with the available Army inventory to fulfill missions, while complying with deployment policies for soldiers.
4. Model units flowing through ARFORGEN to synchronize the key dwell time events required to optimize readiness for return to deployed status.

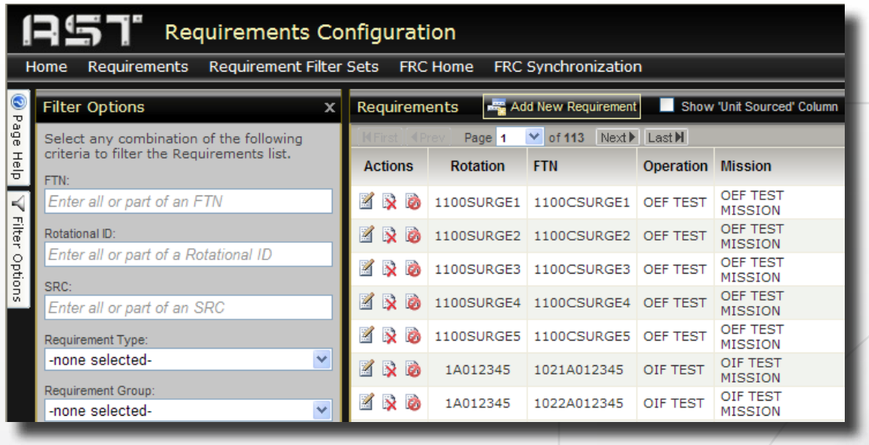


Course of Action Sourcing Gantt Chart

Benefits

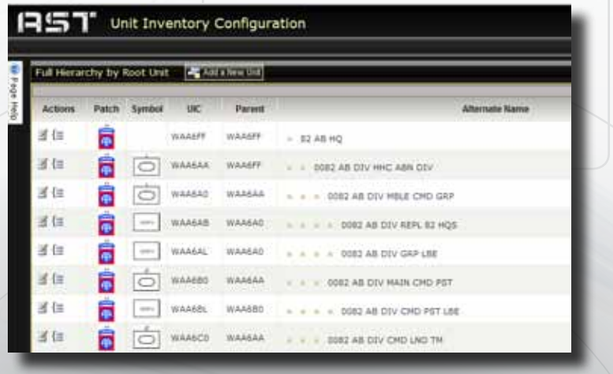
Prior to AST, there was no single location where Army requirements and unit inventory could be viewed and managed. Planning and managing of force rotations was done with Microsoft Excel and PowerPoint. Now, with AST, FORSCOM can set up proposed Courses of Action (COA's) and make more effective, predictive sourcing decisions to support missions. Additionally, reset and training events can be better synchronized to achieve higher unit readiness. The ARFORGEN process can now be executed an order of magnitude faster than before. AST deliverable products include the following:

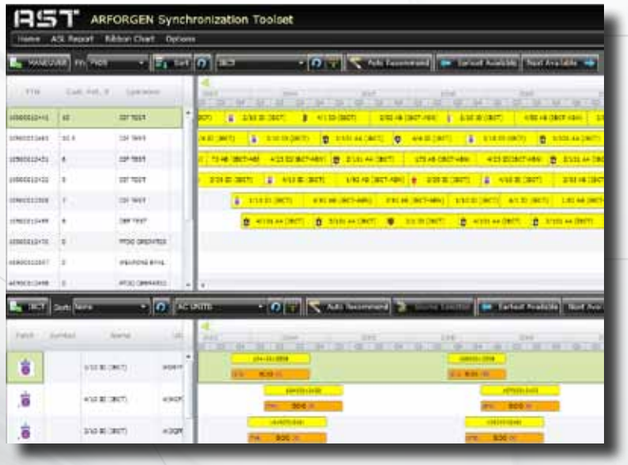
- UIC – Unit Inventory Configuration
- ASL - Army Sourcing Laydown chart
- ATL - Army Training Laydown chart
- UTL - Unit Training Laydown chart



Requirements Module -
Pull in all approved requirements for sourcing from FRC.

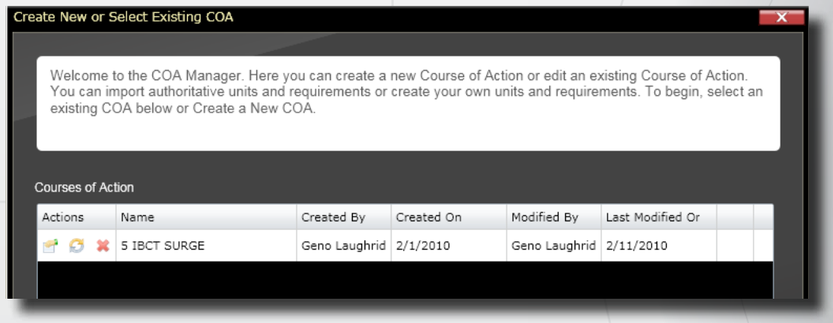
Units Module -
Enter, view, and manage unit inventory. Organize units to support Sourcing, E-sync, and TRA assignments.

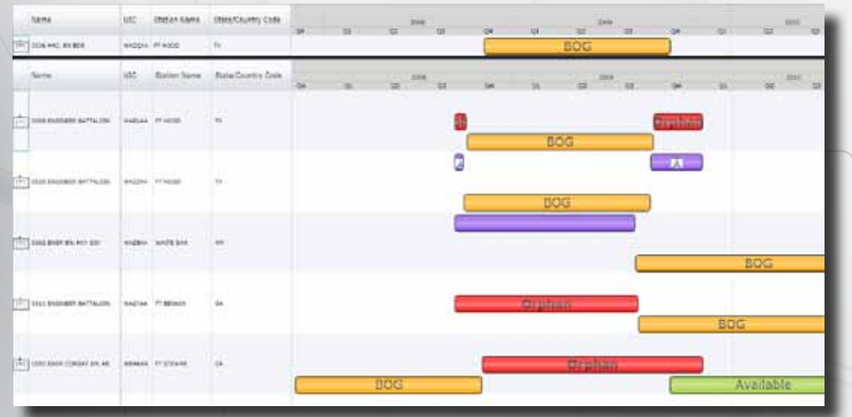




Sourcing Module -
Source units to meet forces requirements.

Sourcing COA Module -
Compare potential Courses of Action to current sourcing strategies and inventory levels.





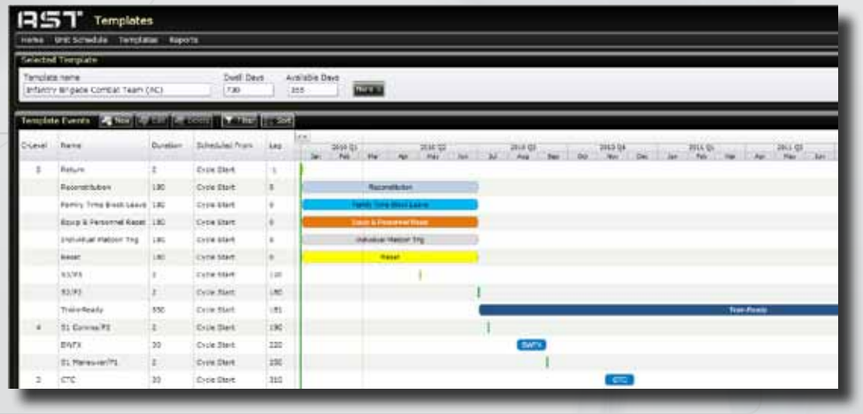
TRA Module -
Show units and their TRA status to help assign appropriate coverage.

Reports Module -
Generate reports to facilitate and communicate decision making across FORSCOM.

AST Portal Module –
Access external web applications.

Admin Module –
Set up and manage policies, user security, rights and roles.

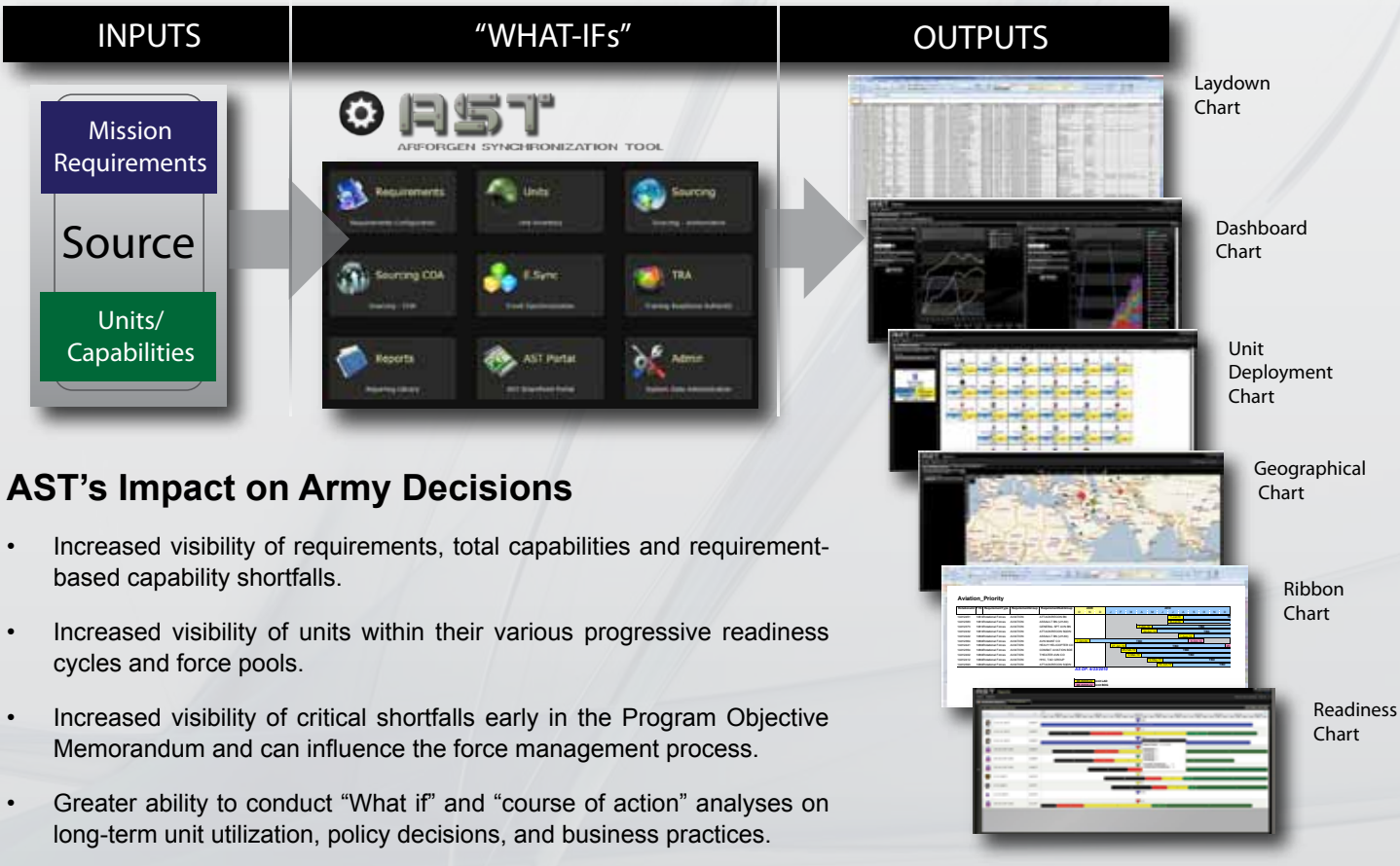
E.Sync Module -
Synchronize ARFORGEN events during dwell time. Schedule events and identify critical paths for producing fully equipped, manned, and trained units that are ready for deployment.



How Does AST Support ARFORGEN?

ARFORGEN is a force management process. The necessary manning, equipping, resourcing and training processes are synchronized to generate ready forces from all components, thus achieving a sustained or surge deployment capability to satisfy the requirements of regional combatant commanders. AST synchronizes all applicable resources and formations and helps implement transformation strategies to support the success of the U.S. Army's missions.

AST is the automated means to synchronize ARFORGEN processes



AST's Impact on Army Decisions

- Increased visibility of requirements, total capabilities and requirement-based capability shortfalls.
- Increased visibility of units within their various progressive readiness cycles and force pools.
- Increased visibility of critical shortfalls early in the Program Objective Memorandum and can influence the force management process.
- Greater ability to conduct "What if" and "course of action" analyses on long-term unit utilization, policy decisions, and business practices.
- The ProModel AST technology allows decision makers to make more informed decisions, while accounting for risk, constrained resources, and business rule/process changes.

ProModel
Visualize Analyze Optimize VAO
www.promodel.com 888.900.3090 gov@promodel.com