Background

Meeting the Army’s need for its Force Generation processes to sustain global responsiveness and regional engagement while protecting the precious time Soldiers have at home with their families, is a complex challenge. ProModel Corporation was selected to partner with U.S. Army Forces Command (FORSCOM) to develop a toolset that simulates the Total Army moving through the Army Force Generation process and provides the necessary predictive capabilities. The resulting technology developed by this partnership is the Army Force Generation Synchronization Toolset (AST). AST is available on both the SIPR and NIPR Networks to users across the Army worldwide and is the baseline platform supporting the Army’s Sustainable Readiness Process.

Objectives

Major objectives supported by AST are as follows:

1. Gather all Army conventional force requirements worldwide in one location and review validated requirements over time.
2. Validate and inspect Army Inventory through a Capability Catalog.
3. Source force requirements with the available Army inventory to fulfill missions based on Global Force Management sourcing guidance.
4. Model units flowing through the Force Generation process with event scheduling capabilities to support synchronizing key events required to optimize unit readiness to meet operational demands placed against the Army.
5. Provide scheduling capability to capture Brigade Combat Teams, required enablers, troop list exceptions, special operations, and non-army participants training at the Combat Training Centers.
6. Develop Known Demand Readiness Objectives (KDROs) in order to analyze the projected readiness level by unit type against contingency demand requirements and to inform budget decisions within the POM Process.

Benefits

Before AST, there was no single location where Army requirements and unit inventory could be viewed and managed. With AST, FORSCOM can set up proposed courses of action (COAs) and make more effective, predictive sourcing decisions to support missions. Additionally, AST provides capabilities for users at the Corps, Division and Unit Level to capture events on a Unit Calendar to support synchronizing resources to ensure units achieve and maintain required readiness levels to meet operational demands.

Recent capabilities added to AST include a capability catalog to support visual inspection of force structure, Brigade Combat Team scheduling at NTC and JRTC, and capability to generate Known Demand Readiness Objectives in support of the Army’s Sustainable Readiness process. KDROs produced in AST support risk assessment of the Army’s ability to meet both known and contingency demand in the POM years and help inform budget decisions within the POM process.

Organizational Inputs and Outputs for AST

- Army Sourcing Leadoff (ASU) charts
- Unit cycle data - field equipment to units on Reset
- Unit cycle data - equipment distribution plans
- Unit cycle data - for functional area integration
- Patch Charts
- KDROs Known Demand Readiness Objectives
- U.S. Army and Joint Entities
- HQDA: G-3 and G-8
- Dynamic Army Resourcing & Prioritization List (DARPL)
- Program Executive Officer (PEO)
- Lead Materiel Integrator (LMI)
- Personnel, Training, Services & Infrastructure Funding
- Joint Capabilities Requirements Manager
- Defense Readiness Reporting System
- JCRM
- Integrated Requirements Priority List (IRPL)
- Participating Systems & Equipment
- HQDA G-3
- DRRS-A

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Requirements Module - Pull in new, modified, or canceled Joint Staff validated requirements from the Joint Capabilities Requirements Manager (JCRM) and capture Army institutional requirements for sourcing action. Source nonstandard requirements and submit sourcing nominations to JCRM. Track requirements as they flow through the sourcing process.

Unit Cycle Manager Submodule - Access unit inventory by type and/or specific unit, and manage the Army Force Generation cycle.

Units Module - Enter, edit, view, and manage unit inventory. Organize units to support sourcing and E-Sync assignments.

Portal Module – Access external web applications.

Admin Module – Set up and manage data for policies, system users, security, rights, roles, and many other functions.

Sourcing Module - Source units to meet forces requirements.

Scorecard Submodule - Provide statistics on the status of sourcing, with drill-through to sourcing details and graphics.

Sustainable Readiness - Develop KDROs in order to analyze the projected readiness levels by unit type versus contingency demand requirements to inform budget decisions within the POM process.

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

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Army Force Generation is the process for generating Total Army forces. The necessary manning, equipping, resourcing, and training processes are synchronized to generate ready forces from all components, thus achieving an alignment of Total Army forces to satisfy the requirements of geographical combatant commanders. AST synchronizes all applicable resources and formations, it helps implement transformation strategies to support the success of the U.S. Army’s missions, and is the Army’s tool to support the new Sustainable Readiness Process.

How Does AST Support Army Force Generation?

AST’s Impact on Army Decisions

- Increased visibility of requirements, total capabilities, and requirement-based capability shortfalls.
- Increased visibility of units within their various sustained and progressive readiness cycles and force pools.
- Increased visibility of critical shortfalls early in the Program Objective Memorandum and ability to 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.

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