AST
ARMY SYNCHRONIZATION TOOLSET
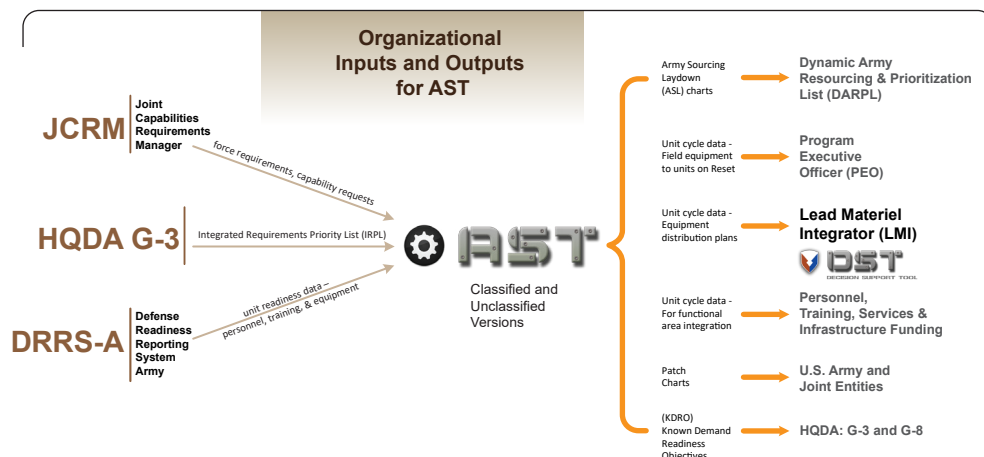
Background

The processes to generate ready and responsive forces over time to enable their projection and employment as a part of Joint and Combined Forces is a complex challenge. U.S. Forces Command (FORSCOM) selected ProModel Corporation as a partner to develop an automated tool modeling the Total Army moving through the Deploy to Redeploy and Retrograde (D2RR) process over time. The result is the ARMY Synchronization Tool (AST), which has capabilities available on the secret and unclassified military networks. The AST is the "authoritative system of record to synchronize the Army's force generation process" for which FORSCOM serves as the manager. Headquarters Department of the Army (HQDA) has also selected AST to be one of the foundational capabilities in the Global Force Information Management – Objective Environment (GFIM-OE). Many of the capabilities in HQDA G3 GFIM systems will be subsumed and enhanced by AST as the transactional system within GFIM-OE.

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 to include Army Service Requirements.

2. Visualize Army unit calendars to identify friction points and synchronize training, modernization, and other requirements based on a unit's SR cycle and availability.

3. Validate and inspect Army Inventory through a Capability Catalog.

4. Source force requirements with the available Army inventory to fulfill missions based on Global Force Management (GFM) sourcing guidance.

5. Model units flowing through the D2RR process with scheduling capabilities to synchronize key events, to optimize readiness, and fulfill operational demands.

6. 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 (CTC).

7. Provide capabilities for the Sustainable Readiness (SR) Process to model unit readiness cycles, analyze rotational and contingency demand, assess the unit inventory to fulfill demand, and provide analysis to inform budget decisions within the Program Objective Memorandum (POM) process.
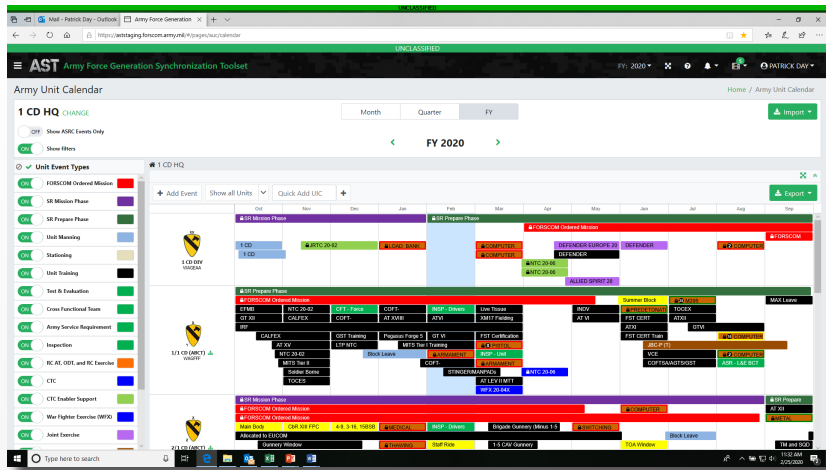
Benefits

Before AST, there was no single location where Army requirements, calendars, and unit inventory could be viewed and managed in a demand/fulfillment manner. With AST, the Army can set up proposed courses of action (COAs) and make more effective sourcing decisions and projections 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 ensuring units achieve and maintain required readiness levels meeting operational demands.
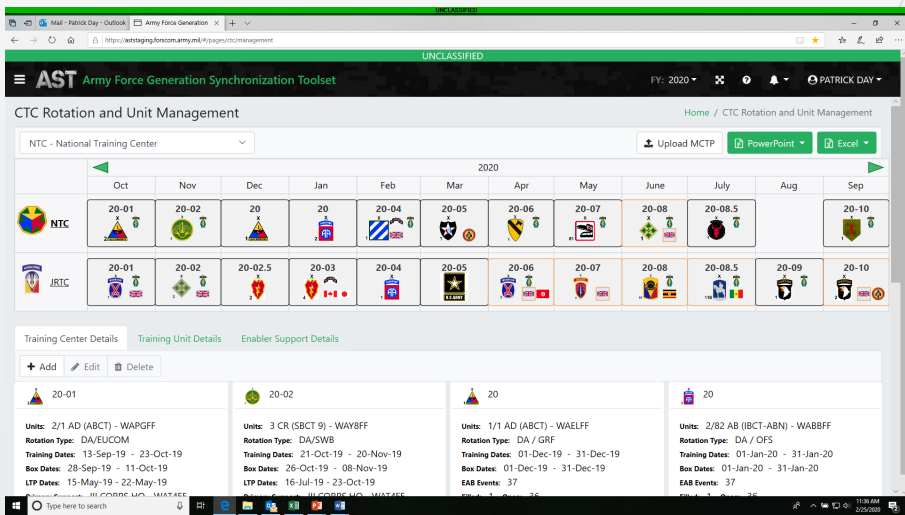
Recent capabilities added to AST include an unclassified capability catalog to support visual inspection of force structure, scheduling units and enablers at the three CTCs, a Modernization Decision Support Module (MDSM), the Army Unit Calendar (AUC) and updates to existing modules. Capabilities in development include a replacement individual augmentee system called the Requirements Sourcing Application Module (RSAM), fundamental changes to the Sustainable Readiness (SR) process, the Unit Explorer and Task Organizing (TO) Canvas, enabling inspection of structure at the billet and item of equipment level for creating task organizations and the Materiel Demand Module (MDM) capturing materiel additives above authorizations.

Organizational Inputs and Outputs for AST

JCRM — Joint Capabilities Requirements Manager
force requirements, capability requests

HQDA G-3 — Integrated Requirements Priority List (IRPL)

DRRS-A — Defense Readiness Reporting System Army
unit readiness data – personnel, training, & equipment

AST Classified and Unclassified Versions

- Army Sourcing Laydown (ASL) charts → Dynamic Army Resourcing & Prioritization List (DARPL)
- Unit cycle data - Field equipment to units on Reset → Program Executive Officer (PEO)
- Unit cycle data - Equipment distribution plans → Lead Materiel Integrator (LMI) **DST** DECISION SUPPORT TOOL
- Unit cycle data - For functional area integration → Personnel, Training, Services & Infrastructure Funding
- Patch Charts → U.S. Army and Joint Entities
- (KDRO) Known Demand Readiness Objectives → HQDA: G-3 and G-8

ProModel
Better Decisions—Faster

NIPR Modernization Decision Support Module (MDSM)

View and validate synchronization of Army unit-level modernization events within Sustained Readiness cycles and availability.

NIPR Army Unit Calendar (AUC)

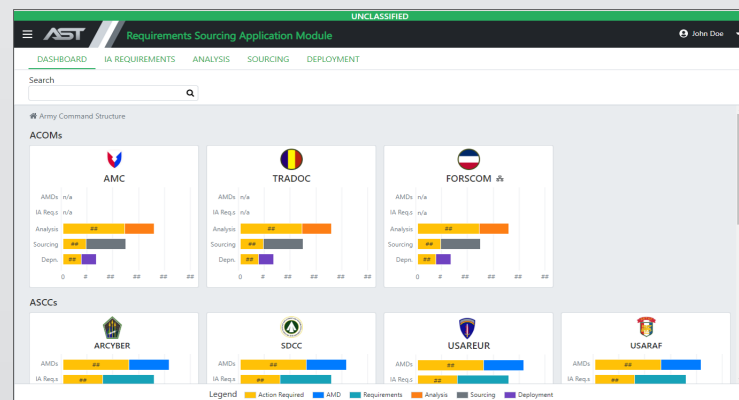Customizable timeline representation of events within SR cycles for the Total Army to achieve required readiness.

SIPR Readiness and Force Generation

Provides various functions from "Wizards" to building a "KDRO" Worksheet to importing / exporting data source units to meet force requirements.

NIPR Capability Catalog

Validate and inspect Army Inventory through a Capability Catalog.
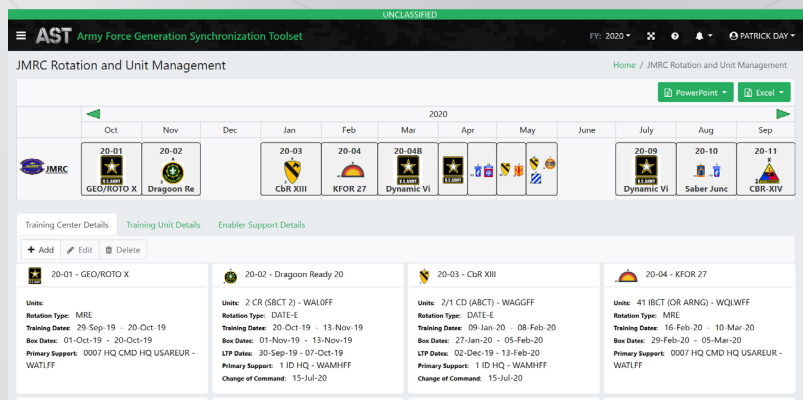
AST

ARMY SYNCHRONIZATION TOOLSET

Army Synchronization Toolset (AST)

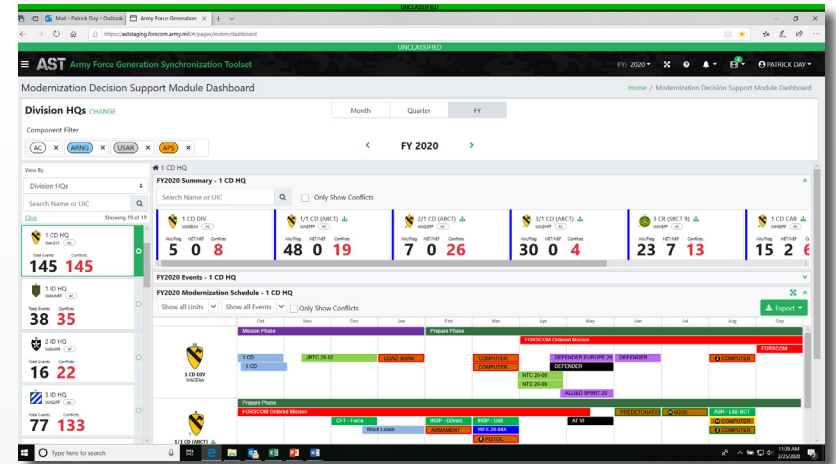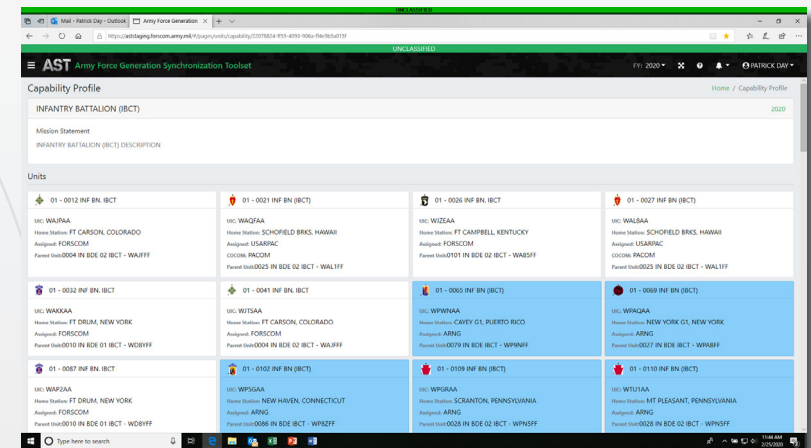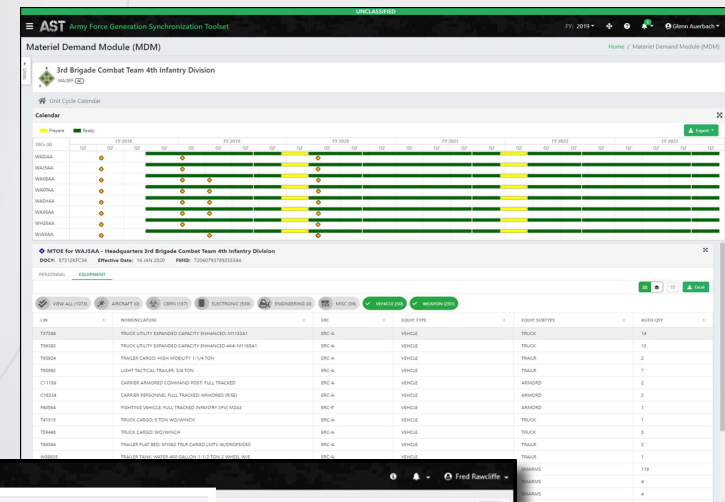Gathers all Army conventional force requirements worldwide and assesses fulfillment through Army Unit Catalog.

NIPR Combat Training Center (CTC) Management

Authoritative source for all CONUS based CTC training and enabler support rotational units.

NIPR Requirements Sourcing Application Module (RSAM)

Source and track personnel to meet joint commands individual requirements over time.

NIPR Joint Readiness Training Center (JMRC) Management

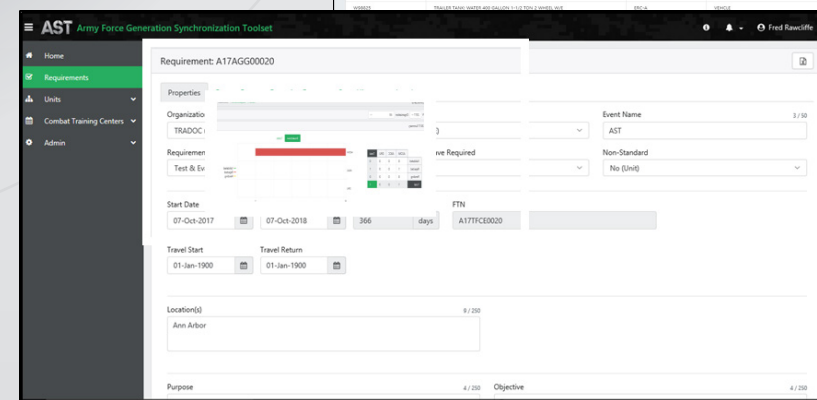Authoritative source for all JMRC training and enabler support rotational units.

NIPR Materiel Demand Module (MDM)

Additive. Synchronize, capture, and adjudicate the various approved additions to materiel authorizations (ONS, JUONS, Operation Project Stocks, etc.), over time.
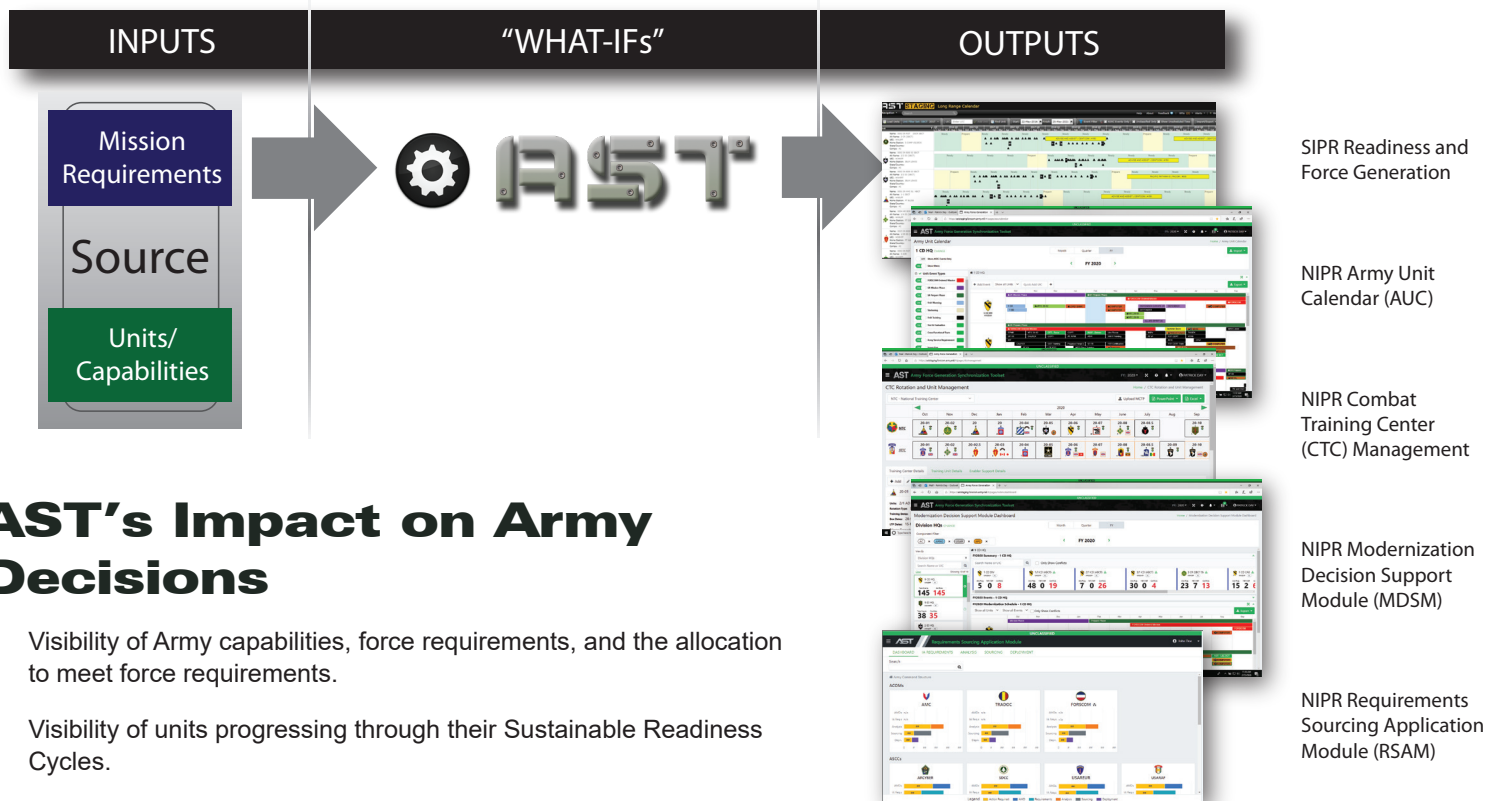
NIPR Army Service Requirements (ASR)

Synchronize, centrally validate, and source units for internal Army requirements.
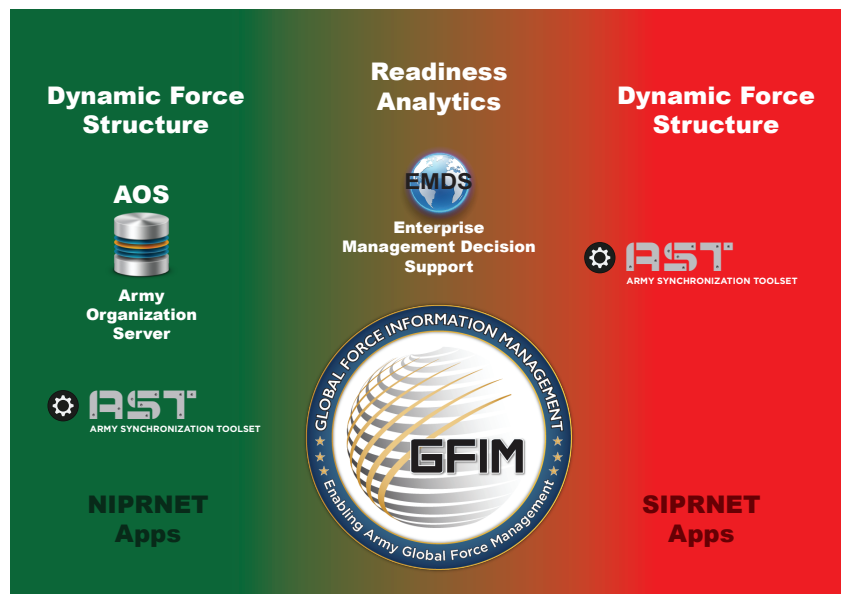
INPUTS	"WHAT-IFs"	OUTPUTS

Mission Requirements

Source

Units/ Capabilities

AST

SIPR Readiness and Force Generation

NIPR Army Unit Calendar (AUC)

NIPR Combat Training Center (CTC) Management

NIPR Modernization Decision Support Module (MDSM)

NIPR Requirements Sourcing Application Module (RSAM)

AST's Impact on Army Decisions

- Visibility of Army capabilities, force requirements, and the allocation to meet force requirements.

- Visibility of units progressing through their Sustainable Readiness Cycles.

- Increased visibility of shortfalls to influence the force management process.

- Ability to conduct "what-if" and "course of action" analysis on capability / unit utilization, policy decisions, and GFM business practices.

- Adds grater fidelity to decision making while accounting for risk, constrained resources, and changes in Army business processes.

AST in the Global Force Information Management-Objective Environment (GFIM-OE)

Dynamic Force Structure

AOS

Army Organization Server

AST
ARMY SYNCHRONIZATION TOOLSET

NIPRNET Apps

Readiness Analytics

EMDS

Enterprise Management Decision Support

GLOBAL FORCE INFORMATION MANAGEMENT

GFIM

Enabling Army Global Force Management

Dynamic Force Structure

AST
ARMY SYNCHRONIZATION TOOLSET

SIPRNET Apps

- GFIM-OE will enable Deploy-to-Redeploy / Retrograde end-to-end business process in support of Dynamic Force Employment.

- Compatible with the Global Force Management Data Initiative portraying Army force structure within DoD systems.

- AST will specifically address classified and unclassified capabilities of unit and individual requirements, sourcing, mobilization, force generation, and deployment of forces.

This document is subject to the disclaimer located on the title page.

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