

What Is IBAT?



The Single Manager for Conventional Ammunition (SMCA) uses a management program called the Industrial Base Assessment Tool (IBAT). IBAT is a web-based application that provides communication of end-item information about critical ammunition across the spectrum - from warfighter to procurement official. Researchers at the Joint Munitions Command (JMC), Rock Island, IL and the Program Executive Office Ammunition (PEO Ammo) established a goal to provide an advanced technology system for managing and controlling ammunition end items. Decision Sciences Inc. developed and implemented an infrastructure of machine-to-machine interfaces to carry out this mission. Advanced program interfaces allow for seamless flow of information for both management of the program and functional planning. A horizontal approach to integration and information is provided to warfighter and procurement manager alike. The IBAT infrastructure of unique interfaces has revolutionized the management of information through data mining techniques employed to non-obtrusively pull information from legacy systems providing a holistic view of the production base. IBAT enables managers and decision makers to forecast from a position of knowledge.

IBAT

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IBAT

Industrial Base Assessment Tool

Single Manager for Conventional Ammunition

Program Executive Office Ammunition
 Joint Munitions Command



FIRST CLASS
 POSTAGE

Display & Tracking

- IBAT is a tool that provides:
 - Information about Industrial Preparedness Planning (IPP)
 - Information for 1000+ end items and 1100+ components
 - Data on 192 producers including 25 foreign producers
 - Extracts and presents data from 9 other databases
 - Robust custom reporting feature



Critical Suppliers & BOM



Simulation & Analysis



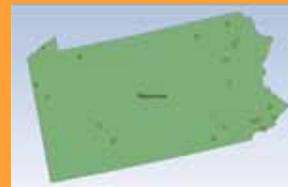
Simulation is the imitation of a state of affairs or process. The act of simulating entails representing key characteristics and/or behaviors of a selected physical or abstract system. In the case of IBAT, simulation means modeling of the industrial base that supports ammunition production. Simulation is used to predict eventual real effects of alternative conditions and courses of action. Key issues include acquisition of valid source information about suppliers and processes, understanding key characteristics and performance, use of appropriate simplifying approximations and assumptions within the simulation, and fidelity and validity of the simulation outcomes.

Disaster Mapping

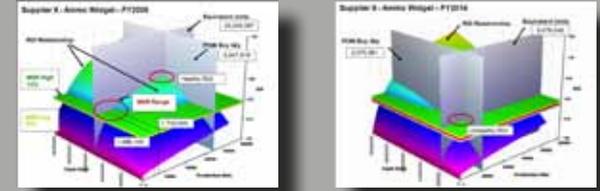


- Identify and locate suppliers within specific regions that meet specified criteria.
- Plot all critical suppliers in the Bill of Material (BOM) for any item or component.

- Display the number of items produced within any state or country.
- Identify potential geographic risk areas and the impact on the industrial base if disaster is to occur within these areas.



Minimum Sustaining Rate



The "Minimum Sustaining Rate" (MSR) for a single end-product by a production facility fabricating one or more end-products is the manufacturing output of the single end-product over a fixed period of time that yields a quantity of that end-product whose sale to the customer provides the manufacturer a reasonable "Return on Investment" (ROI).

Customized Dashboards



Dashboard displays, simply put, are an innovative technique for representing information in an easily consumable, graphical form. A dashboard quickly displays a myriad of information in a format that conveys information in a managerial, analytical, and predictive manner. The content of that information can vary considerably, as can the interpretation of what is being displayed. Therefore, the IBAT dashboard displays go beyond the traditional concept of actual vs. target information, instead displaying information linked to the organization's strategy, cause-and-effect relationships and business process. Dashboards allow rapid creation and deployment of information displays that provide knowledge over a broad spectrum of sources and systems. IBAT dashboards feature point-and-click interfaces, a variety of graphical indicators that provide the viewer the pertinent data for pro-active management and decision making.

