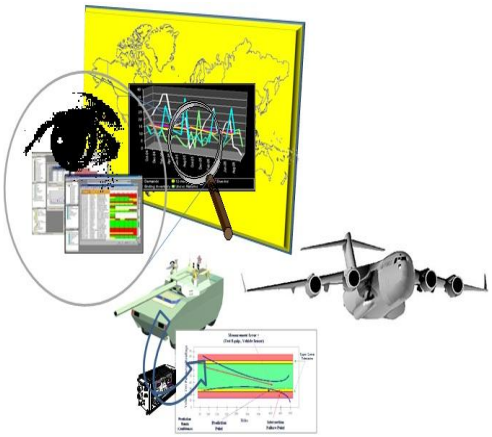
USTRANSCOM Science and Technology

Class IX Demand Forecasting Technology for Sustainment and Distribution Planning



Project Summary: The objective of the proposed effort is to develop, demonstrate, and transition an advanced predictive forecasting capability to better (i) forecast Class IX (spare parts) demands, (ii) anticipate lift needs, and (iii) establish / measure lift priorities in terms of the operational availability (Ao) implications of those demands on planned military operations. The proposed solution supports USTRANSCOM's Sense and respond logistics (S&RL) initiative and its Global Campaign Plan for Distribution (GCP-D) vision with respect to its efforts to (i) coordinate global distribution planning activities; (ii) realize/anticipate the current/future environment; and, (iii) optimize global material positioning.

Current Status: Approved FY15 USTRANSCOM funded effort.

Return on Investment: The proposed effort will yield savings both for U.S. Army Aviation and Missile Command (AMCOM) and for USTRANSCOM. Savings to AMCOM will be realized by having more accurate forecasts of part needs well in advance of maintenance actions, thereby providing the acquisition lead time needed to get the best prices, minimize emergency buys, and avoid the need to sell off excess inventory at pennies on the pound. Savings to USTRANSCOM will be realized through better anticipation of lift requirements, reductions in the number of shipments needed (eliminating "iron mountains"), and by significantly reducing the frequency and number of emergency shipping requests.

Duration of project: FY15-FY16

Participants: US Army Research Lab (ARL)

Project advocacy (funding or otherwise): ARL, Army Small Business Innovative Research, AMCOM, USTRANSCOM