



Clockwork Solutions holds ATLAST Training Course for the United States Army and CAS

Huntsville, AL - July 14, 2003

Clockwork Solutions completed a training course in ATLAST modeling and simulation last week for the US Army and CAS. Personnel from the UHPMO and CAS were provided with instruction on the analytical support and simulation capabilities of ATLAST software. This was the initial ATLAST training course since the release of ATLAST 4.0, featuring the ability to handle multiple depots, multiple consequences by echelon, and to have base specific NRTS (Not Repairable This Station) Components. The training course was one of the deliverables for the UH60A Project, begun in October of 2002.

The UH-60 fleet is undergoing a Recapitalization effort. A function of this effort is to increase the system reliability of selected components. The recapitalization effort is being conducted by the Utility Helicopter Project Offices (UHPMO), in conjunction with the Integrated Materiel Management Center (IMMC) of the Aviation and Missile Command (AMCOM).

Clockwork's role in this effort has been to provide a stochastic model/simulation tool to support the assessment of reliability improvements for UH-60 components, and perform life cycle predictive analysis for UHPMO. To meet this requirement, Clockwork developed the Aircraft Total Life-cycle Assessment Software Tool (ATLAST), used to forecast the impacts of what-if scenarios on maintenance and logistics policies of weapon system fleets. Clockwork was also required to provide training in the use of the ATLAST application.

Using ATLAST, a projected return on investment over time in terms of readiness and costs can be determined, based on decisions to change sustainment policies, such as increasing or reducing part life-limits, life-limit screens, repair capacity, times to repair (improved tooling or methods), flying hour programs, spares, order lead times, fleet size and more. Although developed to support the complexities involved in the management of time-tracked components within aviation, ATLAST has a variety of applications across complex military systems in general.

ATLAST was built on top of SPAR – Clockwork's modeling and simulation technology for predicting system behavior, reducing asset ownership cost and increasing performance. SPAR models are based on statistics and rules that define, at a detailed level, how elements of a system and its support infrastructure behave dynamically in time.

The course was a great success and was well received by everyone in attendance.

For more information on AT-LAST, contact:

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[Link to ATLAST Product Announcement](#)