



## Clockwork Unveils the Push Pack Optimizer for the AT-LAST Deployment Module

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As a part of our continuing efforts to improve our software's technical capabilities, Clockwork Solutions has developed a *Deployment Push Pack Spares* optimization module for AT-LAST. Using the AT-LAST *Deployment Push Pack Spares* utility, an analyst can create a table of spare parts, ranked by cost effectiveness, and use this to determine the optimal level of spares for the deployment of aircraft at a specific location.

The *Deployment* editor gives the user the capability to run a full scenario on any number of aircraft at a single base. The user can change the logistical time delay and flight hours program, and then according to the age of installed components, create a spares package to support a readiness cost objective. The module will help the user create a scenario where tail numbers can be chosen and deployed. Usually these deployments are over a short period, but the upper time limit is 15 years, allowing for great flexibility.

AT-LAST currently supports Army Aviation by formulating a current state of a fleet of weapon systems through access to maintenance management automation that delivers TAMMS-A records to AMCOM IMMC. The simulation operates airframes, by tail number, according to operations profiles, and produces unscheduled and scheduled removal events according to location and age of components over time. It then administers a capacity-constrained maintenance and logistics support process, necessary to correct unserviceable assets back to operational conditions and states.

Using AT-LAST, 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, AT-LAST has a variety of applications across complex military systems in general.

AT-LAST 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.

For more information on AT-LAST, contact:

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[Link to AT-LAST Product Announcement](#)