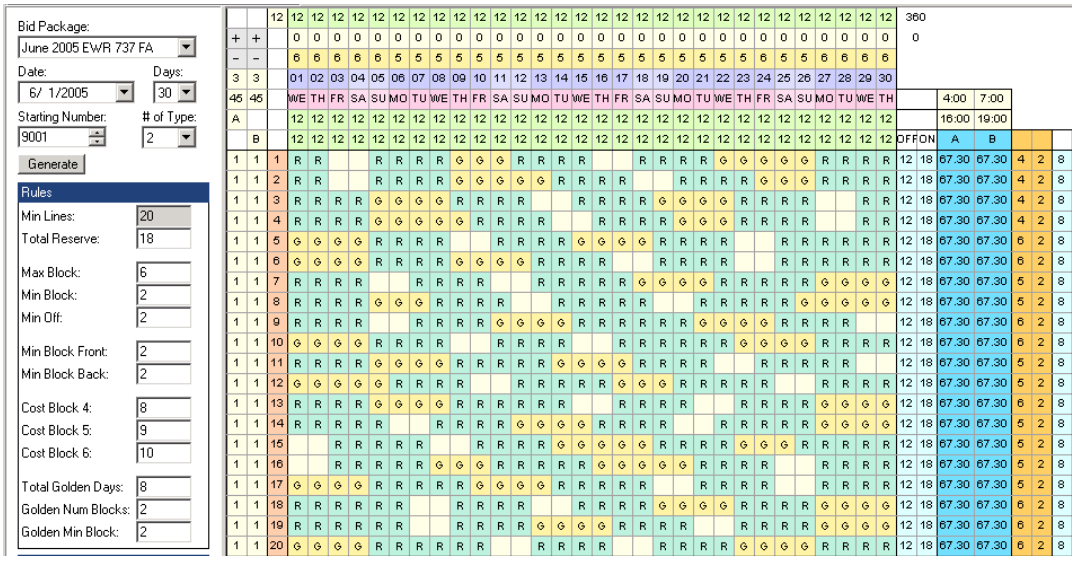
Advanced Optimization Systems, Inc. (AOS)

Automated Reserve Line Generator (RG)

With Minimum Reserve Line Generation Optimizer

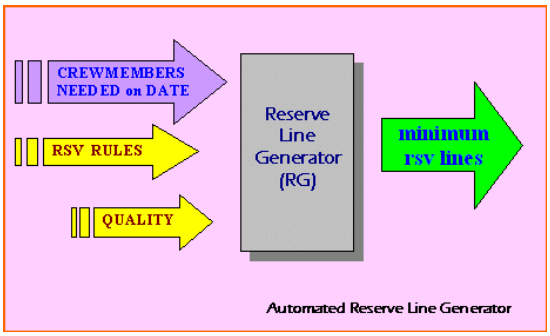
The Reserve Line Generator utilizes AOS' proprietary optimization algorithm, automatically creating minimum Reserve Lines. These Reserve Lines are based on the exact crewmembers needed at each calendar date, inputted by the user, while honoring the company/union reserve line rules, such as total reserve on-day per line, maximum work-block-day, minimum off-block-day, and golden off-day, etc. In addition, the user may specify the preferences to guide the optimizer to generate as many preferred patterns of minimum Reserve Lines as possible.

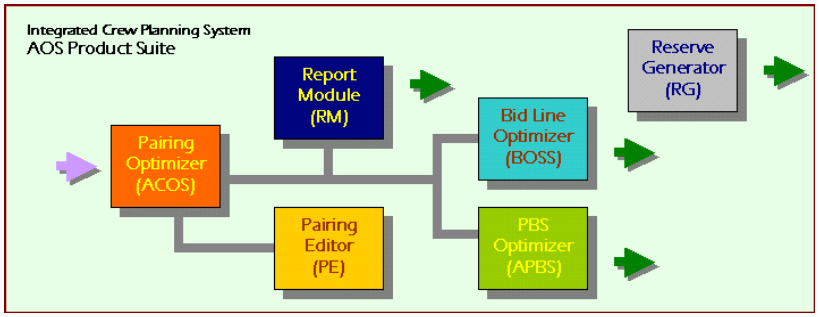


- Generate minimum reserve lines by inputting exact crewmembers needed at each calendar date.
- Comply with reserve line rules, patterns, golden off days, preferences, etc. defined by user.

The Reserve Line Generator is fully automated and guarantees creating the minimum Reserve Lines with one-click operation. It helps the customer prepare and finish the Reserve Line bid package in minutes.

This product runs alone by directly exporting the Reserve Line solution output file to customer's crew management system, or can be integrated with other AOS products including the Advanced Preferential Bidding System (APBS) and the Report Module (RM).





AOS has developed and implemented crew optimization programs and solutions for airlines since 1992. AOS is the leading provider of automated pairing and line optimization software for major airlines in North America.

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