

Navtech crew planning



Navtech provides a suite of web-based, user-friendly crew management software that offers win-win solutions for airline management and crew members. Together or individually, Navtech's suite of products offer robust capabilities that increase crew satisfaction and reduce costs.

Navtech Preferential Bidding System (PBS)

Navtech's PBS system consists of two powerful tools, the Scheduler and the Bidder. The Scheduler and Bidder work together to create a Pairing and Reserve schedule that satisfies management's coverage needs and crew members' flying preferences.

PBS Scheduler

The Scheduler considers each crew member's seniority and bid when building schedules to ensure that as many crew member preferences as possible are met. Schedules are constructed strictly according to seniority with a non-weighted, non-global solver.

PBS Bidder

The Bidder lets crew members customize their schedule according to individual likes and dislikes. The Bidder interface also provides a report explaining the results of each bid preference in your bid and why the preference was or wasn't rewarded.

Navtech Pairing Optimizer

Navtech's Pairing Optimizer is a fully-configurable desktop application. The optimization is performed using an incorporated Mixed Integer Linear Program (LP Solve) that uses the Branch-and-bound algorithm. This algorithm can handle integer variables, semi-continuous variables and special Order Sets with no limit on the model size.

Navtech Vacation

Navtech Vacation is a convenient web-based tool that facilitates bidding for annual vacation. It provides tools for pre-planning and lets crew members manage the bidding process interactively. It also handles those inevitable manual adjustments after scheduling is complete.

Navtech PBS

- The enhanced Reserve Modules take the guess work out of creating a reserve schedule. Management gets greater control of their resources while crew members get to bid for the schedule they want.
- The final crew roster meets as many crew member preferences as possible, while meeting airlines' targets for crew utilization, open time contractual constraints, rules and legal obligations.
- Features in the PBS system help crew members of any status to get a block they are happy with.

Fly the trips you want. Make us work for you.

Reasons Report

The Reasons report is a unique feature of the Navtech PBS system. It explains the results of each bid preference in your bid. It also provides a reason explaining why each bid preference was or was not honored.

The Reasons report lets you analyze the results of your bid, and help you to adjust your bid for the next bid period.

Each of your bid preferences is numbered and appears on the Reasons report, followed by any pairings that were awarded by the bid preference and the explanation of why other preferences could not be assigned to your block.

Navtech - formerly the Navtech and EAG group of companies - creates and supports products that provide our customers with a decisive competitive edge.

Our solutions are currently in use at over 350 airlines around the world, and directly support millions of flights each year.

Navtech has offices in Canada, Sweden and the United Kingdom and is supported by an international sales force positioned throughout the world.

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Other Navtech Products



Flight Planning Solutions

Navtech's flight planning suite offers solutions to meet a wide range of operational styles and philosophies, and includes many cost-saving features such as least time, least fuel, and least cost optimization options. Navtech Flight Plan complies with regulatory requirements including FAA and JAROPS, and is supported 24/7 by a team of dedicated aviation professionals.



Charting Solutions

Navtech's charting products support customers from all sectors of aviation. Offered in paper and electronically, our charting products provide accurate, up-to-date en-route and aerodrome charts in a variety of formats to suit any situation.



Electronic Flight Bag Solutions

Many of Navtech's products can be configured as part of an electronic flight bag solution, including dispatch, take-off data calculation, weight & balance, and charting products.



Navigation Data Solutions

Navdata Services offers a wide variety of database management, maintenance and support services for digital navigation.



Aircraft Performance Solutions

Navtech's aircraft performance solutions include finely-tuned take-off/landing and weight & balance calculations to ensure optimum payload potential. Both modules are available in office and flight-deck (EFB) versions.

Navtech...inspired by aviation

