

PDC Aviation Suite



PROLOG
DEVELOPMENT
CENTER



Operations Control
Crew Management
Maintenance Planning

Using the Latest Operational Control Technology

PDC Airline Information Systems comprise a fully integrated solution for flight scheduling, crew management and operational control.

As a component of flight operations management, the applications provide extensive functions to take care of every aspect of both flight scheduling and flight following. Thus, PDC Airline Information Systems offer substantial cost savings via improved aircraft

utilization, increased productivity and better on-time performance. The applications streamline all aspects of operations control and schedules planning into a cost-effective and easy-to-use procedure, available company-wide from a single source of information.

Crew Management

PDC Airline Information Systems streamline the entire process of managing the cockpit and cabin crew

assignment. The applications cover pairing creation, roster construction and control, crew tracking and crew records. The crew schedulers are relieved of tedious work while ensured that the right crew with the right qualifications is in the right place at the right time. PDC Airline Information Systems assure that the schedule satisfies various kinds of constraints and that it complies with laws and regulations.

Key Benefits

- Better on-time performance and increased productivity.
- Substantial cost savings via improved aircraft utilization.
- Streamlined operations control and schedules planning from a single source of information.
- Automation of all routine processes.



Short Term Operational Control

All airlines experience ad hoc changes which often occur a few weeks, days or sometimes hours before departure. PDC Airline Information Systems are particularly efficient at manipulating last minute changes, using a graphical display. Each schedule change is analyzed to ensure schedule consistency, and

details of the changes are automatically distributed to all internal and external agencies.

PDC Airline Information Systems improve on-time performance by providing operations controllers with timely alerts of any possible schedule disruption and provides the tools needed to avoid or minimize delays. The display is automatically updated on receipt of

movement information and a colour code indicates the progress of each flight.

Short Term Maintenance Planning

Changes in the flight pattern requires changes in the maintenance. However, poor or delayed communication leads to expensive, and avoidable flight delays. PDC Airline Information Systems ease the flow of information between maintenance and

other departments, and adjust the ground time available to comply with the maintenance check schedule.

If the current schedule does not comply with the maintenance check schedule, this is automatically displayed graphically and warnings are generated if problems are not handled in a timely fashion.



Accurate Information

PDC Airline Information Systems receive a constant supply of surface weather information which is analyzed against aircraft landing limits and planned flight schedules in order to provide graphical alerts of deteriorating weather. A simulation mode allows controllers to assess the effects of changes and calculate the cost prior to implementing them necessary instructions, so that the most cost-effective and efficient solution is selected in the event of unavoidable delays. Slot management is also fully

integrated. Requests and responses to and from airport coordinators are formatted and distributed and all slot information is maintained automatically.

PDC Airline Information Systems record passenger loads, departure and arrival times and details of any delays, creating extensive management reports which assist in performance analysis and future planning.

Modular Design

PDC Airline Information Systems are modular by design, providing potential users with the ability to

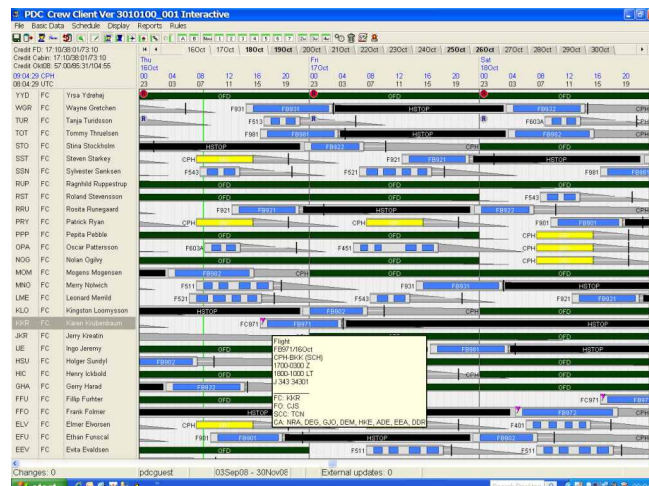
select those modules relevant to their particular operation. The modules together cover the fundamental areas of the network and schedules planning phase through to the operations control process beginning with schedule creation and validation up to six years in advance through to real-time flight progress monitoring on the day of operation.

The main applications include PDC FlightTime (schedule creation), PDC FlightOps (operations control) and PDC Crew (crew management).

All applications are fully integrated as they share the same database, however they can be used as standalone products or interfaced with existing in house and other vendor applications.

Used by many airlines

- Air Alsie
- Air Sweden
- Avia Express
- Cimber Sterling
- City Airline
- Dancopter
- Estonian Air
- Jet Time
- Neos
- NextJet
- Norlandsflyg
- SAS
- West Air Europe



The figure shows all captains and their rosters. When hovering the mouse over a single flight an information box shows the specific flight details and crew details.



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Europe:

H.J. Holst Vej 3C-5C
DK - 2605 Broendby, Copenhagen
Denmark
Phone: +45 3636 0000 - Fax: +45 3636 0001
URL: www.pdc.dk
Email: pdc@pdc.dk

North America:

3565 Piedmont Rd NE,
One Piedmont Center, Suite 400
Atlanta GA 30305
USA
Phone: 404-835-1790 - Fax: 404-974-2121