

Sabre Flight Control Suite



Economical solutions for small, medium, regional and low-cost airlines

Smart Solution

The Sabre® *Flight Control Suite* includes flight operations and crew scheduling products to streamline crew and flight operations, regardless of airline size. It doesn't matter if your airline is regional or domestic, mid-sized or small, low-fare, all passenger, all cargo or a mix, charter, commuter jet or turboprop. What all these airlines have in common is a flight schedule to complete, regardless of weather disruptions, mechanical failures, missed connections, runway problems — any one of dozens of challenges — and a legal crew to fly the schedule.

Our *Flight Control* systems are specifically targeted for small, medium, regional and low-cost airlines — those needing less sophisticated, short time-to-market applications and intuitive interfaces for easy training. The *Flight Control* suite offers the lower cost and quick implementation that these airlines require. Often referred to as an "SOC in a box," these products fully automate an airline's System Operations Control center and manage crew assignments.

Proven Expertise

Most smaller airlines needing simpler solutions in North America use one or more of the *Flight Control* systems.

Bankable Results

Flight Control customers improve their bottom line through a combination of improved crew utilization, better regulatory compliance, improved aircraft utilization, reduced delays due to crew and/or aircraft problems, automated crew payroll and enhanced reporting capability.

Quantifiable savings are achieved by airlines of varying size through the use of pairing and bid optimization modules. Recent benchmarks have indicated that some airlines could reduce labor cost by more than three full crews per bid period due to increased utilization.

Flight Control Benefits

How your airline responds in fair weather or times of crisis depends on the systems you're using in your SOC. Our *Flight Control* suite provides a number of differentiating benefits:

Improved operational coordination All SOC personnel can contribute relevant information electronically to the decision-making process and view the results graphically.

Increased operational efficiency The *Flight Control* products are designed to promote a paperless environment in which management-by-exception warnings are used to focus attention on only those operational issues requiring immediate attention.

Enhanced personnel efficiency The degree of automation in the suite's dispatch and operations control modules enables dispatchers and operations controllers to safely and easily manage a greater number of aircraft during a shift.

"By providing our airline and the regional airline industry in general with cost-effective yet relatively sophisticated software rather than higher-end applications (many of which are unnecessary for regionals), Sabre Airline Solutions has enabled us to realize considerable savings."

— SkyWest Airlines

Better and more automated communication The suite automatically generates messages based on certain flight events such as arrivals, departures, delays, diversions and equipment substitutions.

Lowered IT costs with less costly, complicated systems The *Sabre Airline Solutions*® business ensures you have the right amount of functionality and support, neither more nor less than you need. The *Flight Control* products meet your goal of lowered IT and support costs by centralizing your flight operations environment with integrated products using industry-standard formatted communications protocols.

The Flight Control Suite Crew Planning

The *Sabre CrewPlan*® system quickly and affordably answers the issues raised when schedules are continually changed. Its optimization capability and breadth of functionality give crew resource planners the tools to efficiently propose solutions with confidence. The *CrewPlan* system uses optimization modules to develop monthly crew schedules via bidlines for seniority bidding or rosters for personalized assignment. It also provides a wealth of statistics and reports for analysis and information sharing.

The *CrewPlan* system has an optional module, which enriches its functionality:

Preferential Bidding

The Preferential Bidding module gathers information on individual crewmembers regarding scheduled leaves, courses and other pre-assignments. The module then constructs individual work schedules around those pre-assignments based on crewmembers' previously submitted preferences for work assignments and days off. An Internet capability to capture crewmember preferences is also available.

Crew Qualifications

The *Sabre CrewQual*® system is designed to satisfy the governmental requirements for maintaining the training records for airline pilots, check airmen, flight instructors, flight attendants and dispatchers. The system maintains records of all applicable training, medical certificates and licenses required by crewmembers or flight dispatchers to perform their current duties. It also projects and reports on upcoming training requirements to avoid untimely expiration of current quali-

cations. The *CrewQual* system can define training requirements for promotions or upgrades to current qualifications.

Crew Tracking

The *Sabre CrewTrac*® system offers a real-time application for tracking crew assignments, ensuring legal requirements are met, validating flight coverage and performing crew qualification checks. Using this economical management-by-exception system in conjunction with the *Sabre FliteTrac*® system, crew schedulers can monitor the up-to-the-minute legality status of every crewmember and anticipate crew problems caused by irregular operations. Graphical displays enable you to monitor crew resources at a glance.

The *CrewTrac* system has two optional modules:

Crew Tracking by Voice

Sabre CrewTrac Voice provides a capability that enables crewmembers to use a touch-tone phone to access and check in for assignments.

Crew Tracking Over the Web

Sabre CrewTrac Web offers crewmembers a convenient, time-saving method of remote access over the Internet to display their schedule information in the *CrewTrac* system. Pilots and flight attendants can now access their own schedules, check in for flights and view available open trips. In addition, crewmembers may review trip information, such as flight times, hotel information and other crewmembers assigned to the same flight.

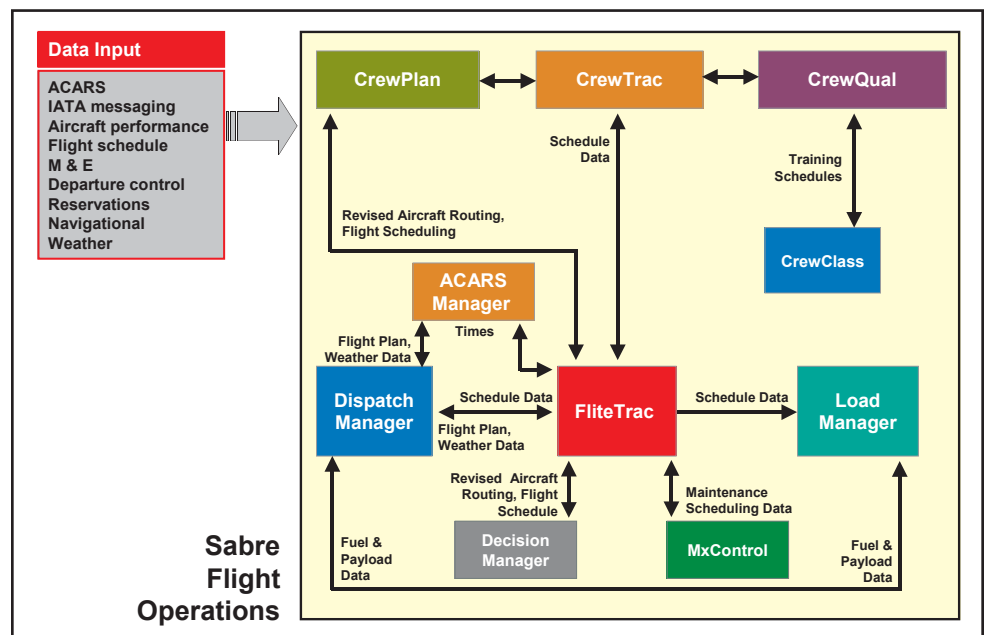


Figure 1 This graphic shows how the *Flight Control* products receive input from other *Sabre Airline Solutions* systems and the relationships they have with each other.

“Our operation teams use the [*Dispatch Manager*] and *FliteTrac* systems extensively. The combination of these products has been an excellent tool for our Operations Control Center.”

— *WestJet*

With *CrewTrac Web*, crewmembers can:

- Communicate directly with fellow crewmembers and directly with crew schedulers using remote messaging,
- See the same data crew schedulers use during day-to-day tracking,
- Use browser-based access to information previously available only from a Windows workstation,
- Reduce phone calls and increase productivity of crew schedulers while improving their focus on staffing flights with qualified crewmembers — conforming to applicable FAA flight and duty time limitations.

Crew Training Scheduling

The *Sabre® CrewClass®* training scheduling system enables an airline to allocate the appropriate training resources for required crew training. The system uses simulators, classrooms, instructors and check airmen to develop an efficient training schedule, which can be loaded into a crew scheduling system.

Flite Tracking

The *Sabre FliteTrac* system enables operations control personnel to easily monitor the status of their flights. The system interfaces with the client CRS to display real-time flight information in definable colors to depict individual flight status. Movement information received or irregular operations entries made on the plot screen can be communicated to other flight operations and aircraft maintenance personnel at the same time that required entries are automatically made to the CRS.

While interfacing with the CRS, the system processes flight movement messages, gathering data such as flight number and date, departure time, assigned aircraft, fuel data, passenger counts (both planned and actual) and the original, revised, estimated and actual departure and arrival times for each scheduled flight.

The *FliteTrac* system has three optional modules:

Flite Tracking by Voice

Sabre® FliteTrac® Voice provides the ability to access limited flight information, such as arrival and departure times (both scheduled and actual) from a touch-tone phone. *FliteTrac Voice* is popular with charter operators with dynamic schedules that aren't available through a major CRS.

Flite Tracking Over the Web

Sabre® FliteTrac® Web offers remote access over the Internet to the *FliteTrac* system information. Airport operations can display operational information in a format tailored for station personnel. Unlike traditional methods, this information is real-time.

With *FliteTrac Web*, SOC personnel can:

- Access and selectively update day-of-operations flight data in the *FliteTrac* system,
- Benefit from standardized processing of flight movement messages,
- Gain immediate Internet access to station flight schedules, individual aircraft routing and other information pertinent to the stations personnel needs,
- Use the Web as a platform for messaging and information dissemination, greatly reducing telephone, teletype, data transmission and communications costs.

Aircraft Maintenance Tracking

The *Sabre® MxControl™* system, an optional part of the *FliteTrac* system, ensures that required aircraft maintenance activities are performed within their legal flying hours, cycles or expiration date limitations and that such compliance is duly recorded for audit purposes.

Helping airlines better market, sell, serve and operate from planning through execution.

Market

Quasar™ system

Revenue Integrity

Sabre® AirFlite™ Suite

Sabre® AirMax® Suite

Sabre® AirPrice® systems

Sabre® CargoMax™ Suite

Sabre® GDS Analysis

Sabre® Loyalty Suite

Sabre® Rocado® Suite

Sabre® SmartFlow™ tool kit

SabreSonic™ Inventory

Sell

Customer Data Delivery

Customer Insight

Sabre® Qik® Solutions

Sabre® WiseVision™ Suite

SabreSonic™ Res

SabreSonic™ Shop

SabreSonic™ Ticket

SabreSonic™ Web

Serve

Sabre® Customer Experience Manager

Sabre® Inform™ mobile services

Sabre® Qik® Solutions

Sabre® Virtually There®

SabreSonic™ Check-in

Operate

Ramco MRO System

Sabre® AirCrews® Suite

Sabre® AirFlite™ Suite

Sabre® AirOps™ Suite

Sabre® AirServ® Suite

Sabre® Flight Control Suite

Sabre® Rocado® Suite

Sabre® Streamline® Suite

Our consulting services offer seasoned expertise across all commercial and operational areas, helping airlines and airports reach their performance targets.

Dispatching and Flight Planning

Sabre® Dispatch Manager is designed to work with airlines of all sizes. This system enables a flight operations department to operate its own dispatching and flight planning system. It interfaces with virtually all passenger reservations and message switching systems and provides the centralized functionality of mainframe dispatch systems in a flexible client/server setting. Carriers of any size can benefit from this system, whether flight operations are scheduled or charter, commuter jet or turboprop, international, domestic, regional or corporate.

Air-to-Ground Messaging

Sabre® ACARS Manager is included as an optional capability of *Dispatch Manager*. It processes air-to-ground messaging between ACARS-equipped aircraft and designated positions within the airline's SOC.

ACARS Manager supports both uplinked plain text and pre-formatted messages from the SOC to a specific aircraft, and downlinked messages from the aircraft to SOC personnel and certain ground-based systems such as maintenance (for engine trend and other aircraft condition data), actual times, position reports and requests for updated weather or flight plans.

The system's administrative functions enable flexible decoding, reformatting and distribution of a variety of operational data. This capability greatly reduces the clerical effort to process ACARS-generated messages, facilitates automatic proliferation of accurate data and minimizes redundant data entry.

Load Management

Sabre® Load Manager helps load controllers of all-size airlines produce optimal plans for loading aircraft and saving fuel. The system provides a consistent, accurate and straightforward means of performing

required weight and balance tasks. At any time, a concise summary of an aircraft's current weight, balance and limits can be displayed. A continuous visual flight weight and balance depiction provides a clear, ongoing portrait and real-time display of events. The system also fully supports required IATA weight and balance documents and messages, and passenger check-in and flight planning system integration.

Disruption Recovery

Sabre® Decision Manager delivers pre-planning for disruption events, optimized recovery solutions and fast solutions times enabling multiple scenarios to be evaluated quickly. The schedule recovery model reschedules flights in the aftermath of an irregularity using input about the disrupted flight schedule, operational constraints and available aircraft data. The aircraft recovery model produces revised aircraft rotations from practical solutions generated from original tail assignments and maintenance checks.

Our Unique Expertise

Sabre Airline Solutions, a *Sabre Holdings®* company, is the world's proven leader of software products for the airline industry, offering passenger management solutions and consulting services for airlines to simplify their operations and lower costs. More than 200 airlines around the world use its broad portfolio of smart solutions as decision-support tools to increase revenues and improve operations.

The complete *Sabre Airline Solutions* portfolio comprises more than 100 diverse decision-support products and services, arranged into four distinct groups — Market, Sell, Serve and Operate. The *Flight Control* suite is an offering of the Operate group. Other products within the Operate group are listed at the left.

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