ibssoftware

Take Control of Hub Operations

iflight HUB

IBS' iFlight Hub, an integrated information management platform, helps airlines to enhance operational efficiency and improve passenger satisfaction. The solution enables different user groups to collaborate and work together to greatly improve service quality. iFlight Hub helps airlines to manage their turnaround and passenger connection operations by providing a complete picture of operations across hubs, manage passenger connections more efficiently, disseminate information across the airport, reduce turnaround times, while improving overall operational efficiency.

IBS' iFlight Hub is also integrated with the Flight Operations platform (iFlight Ops) that further helps airlines handle different stages of recovery starting from handling of immediate priorities like inbound flights to a closed airport, departure wave planning for GDP to post disruption recovery and re-optimisation. The integrated approach enables users to be always prepared, reduces the response time, and helps airline recover faster and more efficiently.

Improved Operational efficiency through tools that transform working practices

iFlight Hub provides a strong set of tools that help airlines design their hub operations to fit seamlessly within the airline OCC environment. This helps airlines to optimize operational processes to reduce aircraft turnaround times and increase OTP.

Increased turnaround and connection efficiencies through tools that recommend recovery scenarios to help save potential passenger misconnections

One of the most critical aspects of Hub operations is the ability to predict problems before they occur and more importantly, solve them in the most optimal manner. iFlight Hub provides several tools that help airlines to predict and resolve passenger misconnections with minimal to no disruption to the operational plan.

Increased collaboration and faster decision making support through a single view of truth

As airlines evolve and look at running their hub operations more efficiently, there is an unspoken need for greater and more seamless collaboration within the OCC and HCC. iFlight Hub is designed to interact seamlessly within the OCC or HCC so that it enhances the collaborative decision making while at the same time providing tools to predict and proactively respond to issues.

Enhanced operational efficiencies and streamlined process workflows between Hub Control and Operations Control

The integration of Hub Management within the OCC is the heart and soul of ensuring effective and efficient operations. iFlight Hub is designed with the flexibility and configurability to complement and adapt to the airline OCC environment and operational Key Performance Indicators (KPIs). This allows the OCC to be designed around operational outcomes like OTP and passenger connections while at the same time reducing total operational costs.

The Key modules within iFlight Hub are:

Connection Monitor: Provides comprehensive tools to effectively Monitor and Manage passenger connections at the Hub, thereby supporting decision making for critical connections. Key Features include

- Ability to monitor all inbound and outbound flight traffic at the hub.
- Ability to view complete information on the flight include list of passengers, baggage counts, special request handling etc.
- Ability to monitor passenger connections and their baggage across the hub with ability to view different aspects of connections across connection times, passenger value.
- Ability to evaluate connection saving options for critical connections and suggest feasible options for saving the connection.
- Ability to generate alerts to warn the users about rule violations related with change in flight timings, misconnections, capacity issues.
- Distribute information through FIDS (Flight Information Display Systems) for connections.

Turn Control: Enables users to manage turnaround activities of flights at Hub. The solution include tools for monitoring aircraft and stand readiness for flight. Key Features include

- Ability to define turnaround rules specific for flights based on multiple criteria related with flight attributes such as sector, aircraft type, inbound/outbound flight etc.
- Ability to manage gate level compatibilities based on equipment availability
- Ability to interface with external systems to capture ground movement information
- Ability to manage aircraft towing
- Ability to track & display turnaround information and progress graphically through the Gantt view.
- Ability to simulate gate changes to evaluate its impact of flight and connections
- Distribute information through FIDS (Flight Information Display Systems) for turnarounds.

Hub Mobile: Provides mobility feature for the solution to be made available to different user groups. Key Features include

- Ability for the ground staff to provide updates on turn around operations, including ability to capture task timings, delays and comments
- Ability for hub control to interact with airport staff providing them with information on passenger connections and to help track and manage critical connections
- Ability to airline staff to access key functionalities of connection monitor and turn control.

Terminal Map View: One of the key differentiators of the solution is the Terminal Map View that displays Aircraft readiness and Connection status on an airport terminal map. Switching between layers on the map allows the user to easily view and identify

- Aircraft positions and their readiness status on the stands at the airport terminals. The aircraft are colored (configurable) to indicate their turnaround status.
- Flights Taxing From/To Stand.
- Connection status for a selected (inbound/outbound) flight.
- Turn details for a selected aircraft.