



THE ADF NEWS

“Keeping the Dispatch Professional Informed”

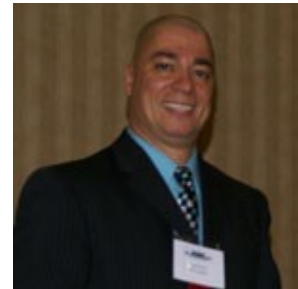
Web Site: www.dispatcher.org

Fall 2017

A Note from the President

Dear Members,

What a challenging summer for ALL airlines and their operations! Two major hurricanes, typhoons overseas, irregular operations at major hubs, thunderstorms impacting enroute traffic, and continuous ATC initiatives delaying flights. Another day in the life of Aircraft Dispatchers! As summer season concludes, aircraft dispatch training departments are already prepping for fall training sessions. What's forecasted for 2017 fall-winter seasons? Below is a synopsis courtesy of “The Weather Company”;



September: Cooler-than-average temperatures to start the fall in portions of the central and southern Plains, as well as the mid-Mississippi Valley.

Parts of the Midwest, South and mid-Atlantic will likely see temperatures near or slightly cooler than average. However, parts of the Northeast and most of Florida may see conditions that are near or slightly warmer than average.

Meanwhile, this pattern would also result in above-average temperatures from California into the Northwest. Portions of the Southwest have the greatest chance for a warmer-than-average fall.

October: Much of the U.S. will see temperatures near or slightly above average in October. The exception will be from the Southwest into parts of the southern Plains, where temperatures will generally be warmer than average. In addition, parts of Florida, northern New England and the Upper Peninsula of Michigan into northeastern North Dakota are more likely to see near to slightly cooler-than-average conditions.

November: Closer to winter, the Southwest will once again be the area expected to see above-average temperatures. A large swath of the U.S., stretching from the Northwest into the Plains and Southeast can expect temperatures to be near or slightly above average. Much of the Midwest and Northeast, however, will likely see temperatures near or slightly below average.

For those of us Midwesterners, Farmer's Almanac predicts Chicago's first rain-snow mixed events is between October 8th thru 14th. Old-man winter is right around the corner!

Joe

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The Airline Dispatchers Federation is an all-volunteer organization representing the professional interests of its dispatcher members in North America and throughout the world.

ADF Elections:

Nominations are ongoing for two ADF executive board positions. (ADF President and ADF Treasurer)

At ADF's winter business meeting (ATL 21JAN17) John Schwoyer (AAL) was nominated for ADF President and Mike Timpe (Horizon) was nominated for ADF Treasurer.

At our ADF Spring Business Meeting (LAS 20MAR17) Catherine Jackson (SWA) was nominated (via email) for ADF President.

Both elected terms begin January 1, 2018 thru December 31, 2019.

Nominations for both positions will continue until the beginning of our October 2nd, 2017 ADF business meeting in Dallas Texas.

Those interested in these positions can email potential candidates to ADF's President or nominate them at one of our quarterly business meetings. (July 22 ORD, or Oct 2 DAL)

Voting for both available positions will take place in Dallas Texas October 2, 2017. (just prior to the start of our meeting) and absentee ballots for ADF's 12 delegates will begin after July 22nd 2017.



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Twenty-nine years. Six major airlines. Zero system failures.
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Avtec Inc., the largest independent provider of Voice over Internet Protocol (VoIP) dispatch console solutions, is privileged to join Southwest Airlines in sponsoring the Airline Dispatchers Federation (ADF) Safety Summit in Dallas, Oct. 2-4, 2017. Avtec has been serving the §121.99 needs of the commercial aviation industry since 1988, and this year celebrates the company's 20th anniversary of dedicated support for the ADF.

Flight dispatchers are the unsung heroes of the industry, carrying joint authority and accountability with the flight crew for all aspects of flight travel, from flight plan development and monitoring to operational decisions, regulatory compliance and ensuring the aircraft, passengers and crew have a safe and comfortable flight.

For everything they do behind the scenes to ensure the operational success of every commercial flight, Avtec is privileged to equip flight dispatchers and operational control professionals with the advanced dispatching solutions they need to perform at the highest levels.

Designed for the management of flight dispatch (§121.99) ramp operations, enroute air-to-ground communications, maintenance control, and load planning. Avtec's Scout™ Voice over Internet Protocol (VoIP) dispatch consoles allow dispatchers to be in constant communication with pilots, ground crews and other airline personnel. This highly configurable, interoperable solution gives dispatchers access to voice endpoints and auxiliary I/O information that is essential to operational control and passenger safety.

Many flight dispatchers say they prefer Scout for its reliability, intuitive interface and inherent scalability. In fact, Scout is currently being used by every major commercial airline in the U.S., with nearly 2,500 installed console positions connecting over 5,000 radio endpoints (radios and telephones) — more than all other dispatch console providers combined.

The majority of Avtec's airline clients have standardized on the Scout solution across their enterprise - demonstrating a level of trust that serves as the ultimate vote of confidence and the strongest of all motivators to Avtec.



Avtec provides more FAR Part 121.99 solutions
than all other providers combined.



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ADF Safety Summit 2017

ADF's 2017 Safety Summit will take place in Dallas Texas October 2nd 3, 4, 2017 and is sponsored by Southwest Airlines and Avtec. .

ADF is excited to have the following confirmation for our first industry Airline VP Leadership Panel discussion. This VP panel discussion with leadership from various airlines operations will give those ADF Summit members in attendance an opportunity to dialog about deficiencies concerning Aircraft Dispatchers including: office professionalism, dispatch workload, office environment, future planning, and other important operational processes that need attention.

Airline VP Panel Discussion

Date: Tuesday October 3rd, 2017 Time:0900-10:30 (90 Minutes.)

Moderator: Vik Krishnan

Panel Participants:

Lorne Cass, VP IOC, American Airlines

Dave Holtz, Sr VP OCC, Delta Airlines

Matt Hafner, VP NOC, Southwest Airlines

Tracy Lee, VP NOC, United Airlines

[Check ADF's website](#) for more information on registration, host hotel, speaker's, etc.

ADF's Safety Summit is a great way for ADF members to ask questions about industry concerns, network with industry professionals, fellow dispatchers, and see that latest products offered by vendors in attendance.... And best of all,

IT'S FREE TO ALL ADF MEMBERS! (If registered before September 1st, 2017)

We hope you join us in Dallas Texas October of 2017!

The Southwest Airlines logo, featuring the word "Southwest" in a bold, blue, sans-serif font, followed by a small, stylized heart icon composed of red, orange, and yellow segments.

consoles you can count on

The Sabre logo, featuring the word "Sabre" in a large, bold, red, italicized, sans-serif font.

9/11 Aircraft Dispatcher Documentary at Upcoming Summit

ADF's Jake Zelman to present 9/11 Aircraft Dispatcher Documentary at upcoming summit.

While numerous stories have been presented about the fateful events on 9/11, never before has the story of the aircraft dispatcher's actions on that day have been told. "9/11: Voices of the Aircraft

Dispatchers", is a video documentary, close to an hour in length, that portrays the first-hand account of five aircraft dispatchers and their respective roles on 9/11. Join ADF, at the annual Safety Summit in Dallas in October, as Jake will debut his piece.

2017 Professional Standards 101

New for this year!

We are adding an Extra Section to the Summit this year. Following the conclusion of the formal agenda on October 4th, we are offering **"Professional Standards 101"**. This class will be led by Jeff Elrod of United Airlines. A graduate of Embry-Riddle Aeronautical University, Jeff is a 21 year Dispatcher at United Airlines, holding both domestic and international qualifications. As a full time UAL Dispatch Instructor with a long resume of Special Project Training Development, and having chaired the PAFCA/UAL Dispatch Professional Standards Committee for more than 10 years, Jeff is uniquely qualified to lead this class. We are truly fortunate to have him share his passion and expertise.

It is important to note that Jeff is a part of the PAFCA Professional Standards Committee. It is chaired and run by Association Members via a charter in PAFCA's CBA.

If you are standing up a Professional Standards Committee, need a refresher, or are just curious to learn more about the concept, this class is for you. The class will run 13:00-16:00 on October 4th immediately following the conclusion of Summit at the DoubleTree-Love Field. **This session will require a registration separate from the Summit registration.**

[There is no charge for the event and lunch will be provided.](#)

Please register below for "Professional Standards 101". If you were unable to secure a Summit registration prior to the wait list, you are **welcome to join us all day on the 4th**. Please indicate on your Professional Standards registration that you will be joining us for the morning session as well. If you have a confirmed Summit registration, please indicate that you will be staying for the Extra Section. Please direct any questions to summit@dispatcher.org

[CLICK HERE TO REGISTER!](#)



Lufthansa Systems

WSI Fusion

Global Flight Operations Management for Commercial Airlines

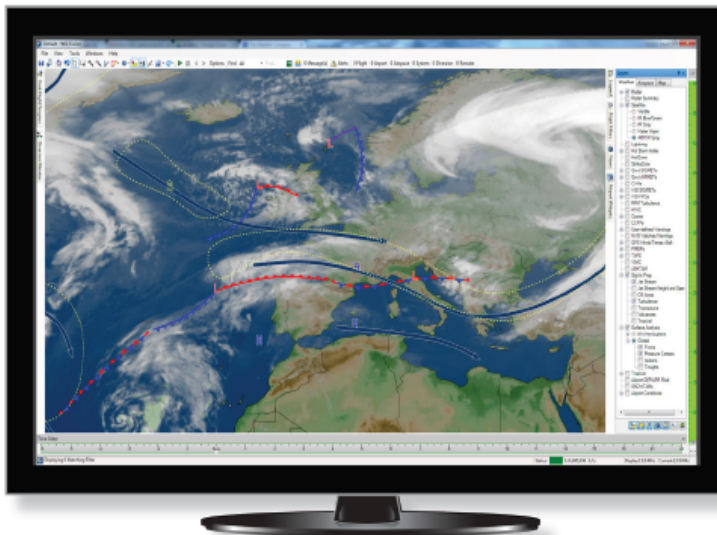


The Weather Company, an IBM business, delivers WSI Fusion a proactive operations management solution that provides early insight into changing flight, airport, and airspace conditions. Fusion enables customers to optimize operations and mitigate the impacts of disruptive events. This unique solution fuses global public and proprietary weather information, airspace constraints, flight tracking information, and navigation data into a unified and clear operational picture to take the guesswork out of situational decisions.

Fusion's intelligent alerting engine continuously monitors conditions to identify and promptly notify operations personnel of potential problems that warrant attention and possible action. The ability to manage by exception and receive advance warning of potential problems significantly improves operational flexibility and safety.



Provide pilots and dispatchers a
common view of
disruptive weather
and air traffic
constraints



Designed to integrate seamlessly with existing AOC systems such as flight planning, messaging, and other proprietary data sources, Fusion enables operators to quickly resolve problems and communicate relevant information to an aircraft's crew.

Fusion is uniquely positioned to help dispatchers, operations personnel, and managers stay aware and ahead of changing conditions, mitigate the impact of disruptive events, and ultimately improve safety, situational awareness, fuel planning, productivity, and operational performance.





Monitor Flight Progress With Global Flight Tracking

- Offers new FAA high-quality System Wide Information Management (SWIM) data feed for US and UK flight following.
- With new Global Surveillance The Weather Company now offers a new blended data source: WSI Blend + Surveillance.
- Incorporates EUROCONTROL Electronic Flight Data (EFD) for European flight watch.
- Supports integration of ACARS and other position sources.
- Projects flight position in areas where actual position reports may be unavailable.
- Provides airport surface tracking reports that include aircraft position and movement data. These reports enable operations teams to monitor taxi times, runway congestion and gate traffic. Data is only available for selected airports.

Ensure Safety Of Flight With Global Weather Content

- Displays operationally required content including winds aloft, temperatures, SIGMETs and AIRMETs for preflight analysis.
- Incorporates premium Enroute Hazards and terminal area forecast services issued by The Weather Company's Global Forecast Center
- Depicts convective activity worldwide with real-time global lightning data* and SATrad for areas where radar may be lacking.
- Provides early insight into operational restrictions with proprietary Forecast Precipitation.

Improve Operational Efficiency With Traffic Flow Management Tools

- Highlights operational irregularities such as route deviations and diversions.
- Features proprietary flow pattern recognition for early detection of airborne holding.
- Includes domestic and premium international NOTAMs for terminal and airspace restrictions.
- Provides pre-flight and enroute route analysis including FAA Reroute Advisories, Preferred Routes, CDRs, and oceanic tracks.
- Integrates graphical RAIM and route analysis to allow users to take advantage of advanced navigational procedures.
- Monitors FAA Temporary Flight Restrictions, Flow Constrained & Evaluation Areas, Airspace Flow Programs, and airport traffic management initiatives.
- Provides Predictive Airport Analytics for congestion, taxi times and runway configurations to allow operations to make informed, data-based decisions

**WSI Fusion
Is An
Operational
Decision
Support Tool
Provided By
The Most
Trusted
Weather
Provider In
The Aviation
Industry.**

*Data is from Vaisala's National Lightning Detection Network and GLD360.

**The
Weather
Company**
An IBM Business

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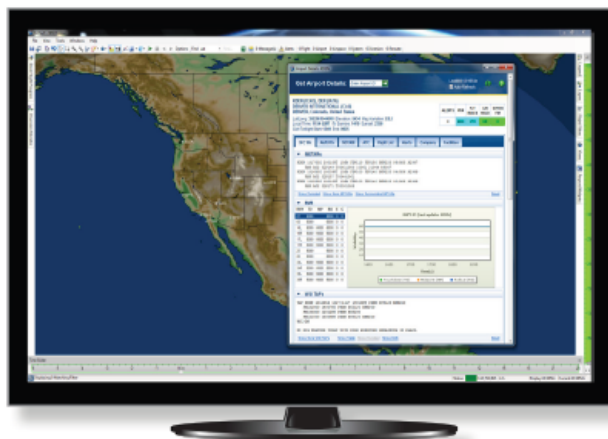


Proactively Manage Operations With Intelligent Alerting

- Provides graphical depiction of airport restrictions based on airport weather conditions.
- Detects terminal meteorological restrictions and traffic delays.
- Manages by exception by detecting route of flight hazard intersection.
- Focuses on dynamic constraints through user-defined warning areas.

Streamline Workflow To Maintain Situational Awareness

- Highly configurable, based on centrally stored user preferences.
- Allows users to manage and share settings such as alerting rules, flight filters, maps, and flight list views.
- Reduces complexity by offering a single mission critical source for global flight, weather, and airspace content.
- Offers enterprise integration with flight planning, flight scheduling and many other solutions.
- Promotes common situational awareness through common content used by air crew and airport operations.
- Relies on an Active / Active system architecture keeping primary and disaster recovery systems running concurrently.



The Weather Company
400 Minuteman Road
Andover, MA 01810
United States

The Weather Company
3 Brindley Place, 2nd Floor
Birmingham, B1 2JB
United Kingdom



Call us toll-free at 1-800-USA-2FLY
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Miami, FL



FLIGHTKEYS 5D – the new wave of flight management solutions

Inspired by the passion to revolutionize the operational environment of commercial aviation FLIGHTKEYS 5D started in 2015 as a research project to create the ultimate flight management solution in an unprecedented clean-sheet approach, covering a scope far beyond any existing solution currently available on the market. The term **Flight Management Solution** was chosen carefully to clearly distinguish the project from traditional “flight planning” systems.

The FLIGHTKEYS team aimed at providing the first and only system on the market in which dynamic trajectory optimization, advanced decision support, network cost optimization, global traffic awareness and automation were designed right into the core of the system.

Already during the initial research period, the team realized how many building blocks for such an innovative solution have become available just recently - they just had to be cleverly combined in the new system, while at the same time leveraging the team’s decades of combined experience in the field.

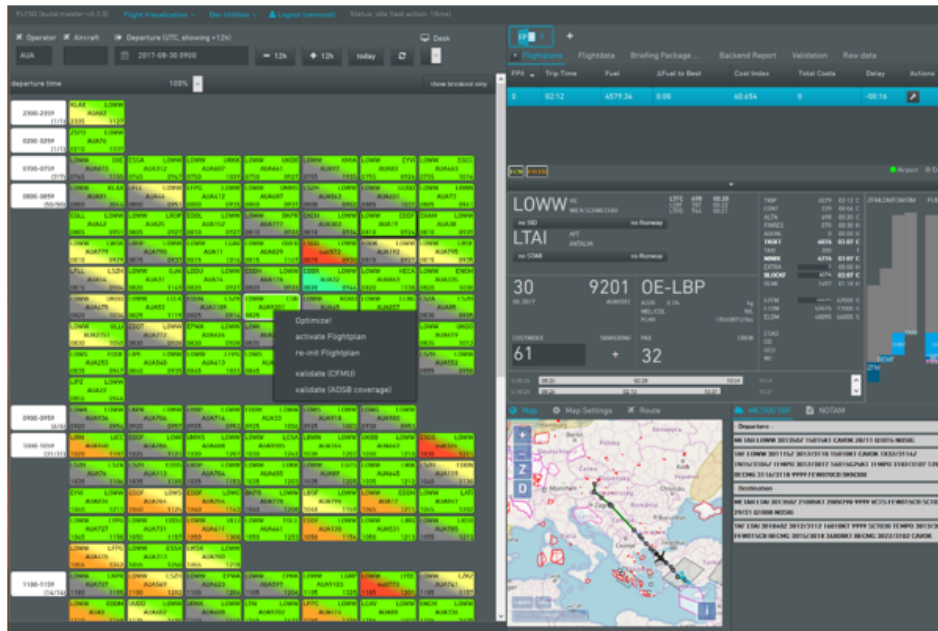


Figure 1: FLIGHTKEYS 5D Visual Dispatcher Screen

FLIGHTKEYS 5D Core Concept:

- based on dynamic high-speed, cost-based 4D trajectory optimization algorithms
- 5th dimension: probabilistic space (weather, traffic & cost) for reliable decision support
- tightly integrated with future ATM systems
- distributed microservice architecture, Windows and Linux supported

FLIGHTKEYS 5D covers many advanced requirements:

- cloud services, web interfaces and mobile applications
- state-of-the-art flight and mission management
- extreme system performance, resilience, stability and security
- supporting new avionics architectural concepts, cockpit navigation and communication functions
- SWIM, UDPP, CTOP, SAPT (ADS-B) and RAIM integration

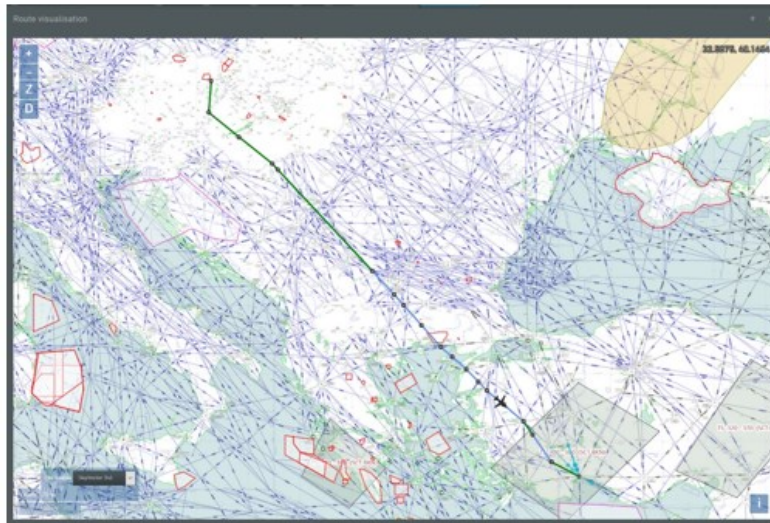


Figure 2: Configurable map layers and ASD

- FIXM 4.0 support, GUFID Ready (Global Unique Flight Identifier)

Some Functional Highlights:

- Fully dynamic aircraft performance data (1st principle)
- Fast, precise, one pass optimization and calculation
- Inflight support (active re-route proposals based on inflight re-optimization)
- Alert-resolution driven (multiple solution options presented to the user instead of cryptic alerts)
- Network awareness – all known flights are considered in the flight planning-process (including trajectories of other airspace users)
- Full airport suitability check including dynamic airport minima
- Probabilistic dimension (5D)
- Full SAPT/RAIM integration with our own in-house modules
- Traceability throughout the entire life-cycle of a flight
- Advanced APM integration to close the loop and provide a self-tuning system
- Fully integrated ASD (Aircraft Situation Display)
- User-definable Fuel policies (including ARF and US OPS SPECS) via a flexible policy editor

By implementing full flight dynamics instead of static, table-based performance trajectory modelling, trajectories are much closer to reality and allow modelling of upcoming cost-saving flight tactics, like continuous descent approaches or cruise climb profiles.

All current flight planning systems are based on deterministic concepts, focused on the planning phase. FLIGHTKEYS 5D turns everything around: Probabilistic planning in the pre-flight phase, and a strong focus on refined, deterministic in-flight planning. The first ensures that planning is already close to the most probable optimum with enough degrees of freedom to adapt, while the latter brings each flight and the entire network as close as possible to the actual cost-optimum.

FLIGHTKEYS are a very efficient and experienced team, but appreciate that they do not have to re-invent the wheel where others are similarly innovative, therefore they cooperate closely with strong partners:

- skyguide: reliable digital NOTAM and AIP support for our 5D NavServices
- StorkJet: innovative aircraft performance monitoring (APM)
- Comply365: strong SmartBriefing solution and EFB integration

FLIGHTKEYS 5D is only the first stage of a multi-stage vision that aims at literally revolutionizing trajectory management for the 21st century with a real-time global trajectory database providing cost-based traffic conflict resolution:

- Probabilistic hotspot detection and avoidance
- Resolution proposals
- Arrival pre-sequencing
- Airspace brokering (automated priority negotiation)

FLIGHTKEYS has very successfully demonstrated the entire system at their first user group event in May 2017 and would be glad to provide updates, hands-on events and individual presentations. The first airline customers will be fully operational in the beginning of 2019.





swiss air navigation services ltd



ADF Leadership

President: Joseph Miceli (United)

Executive Vice President: John Schwoyer
(American)

Treasurer: Mike Timpe (Horizon)

Secretary: Patrick Boyle (United)
Historian / Librarian

VP of Industry Relations:
Larry Merchant (Southwest)

VP of International Relations: Matt Berg (United)

VP of Information Technologies:
Jake Zelman (Southwest)

VP of Aviation Rule Making:
Michelle Betcher (Delta)

VP of Membership: Debbie Kowalewski (United)

VP of Corporate/Industry Alliances.
Catherine Jackson (Southwest)
Sponsorships

ADF Jumpseat Coordinator: Phil Brooks (United)

Publications / Media: Open

ADF Industry Security Liason: Raj Singh (United)

ADF Meeting Schedule

2017

Fall—Dallas— October 2nd-4th
[Doubtree by Hilton Love Field](#)
(click to reserve your room)

2018

Winter — January—Los Angeles

Spring — TBD

Summer — TBD

Fall Summit— TBD



Airline Dispatchers Federation

Newsletter

2020 Pennsylvania Ave. NW #821
Washington, DC 20006
1-800-OPN-CNTL

ADF News

Editor: Matt Berg
MBerg@Dispatcher.org

Website: Jake Zelman
jzelman@dispatcher.org

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