



With the right information, you can soar through your weather challenges.

Determine if the weather and turbulence will be a factor for your fleet earlier and faster than ever before with Flight Route Alerting from DTN. With advanced insights from the industry leader with 35 years of flight experience, you are assured that your flights will reach their destination safely, on time and on budget.

Our system allows you to plan routes up to 36 hours in advance, giving you the confidence to schedule flights that keep passengers and crew safe, avoid turbulence, and use less fuel. Flight Route Alerting moves beyond simply alerting you to risk, to providing you with insights and flight following technology. When one of your planes is in the air, we provide continuous monitoring for its current status—as well as up to 25 locations throughout the route (origin, destination, alternates, and more). That gives you total power until the flight is completed or canceled by your staff.

With Flight Route Alerting, you can:

Choose routes that will avoid inclement weather to get your passengers where they need to go, faster and safer.

Streamline and automate weather decision support with instant feedback to keep your planes on time.

Arm your pilots with real-time weather and route data to improve flight following capabilities.

Rest easy knowing your entire flight is continuously monitored by our secure, fully redundant datacenter.

Flight Route Alerting

The future of flight plans, delivered today.

Provide us with your potential flight plans, weather requirements, and anticipated or potential airports, and you'll get instant feedback to make your flight smoother, safer, and on budget. We'll provide knowledge on weather events that exceed your parameters for any of your planned routes, allowing you to select the route that offers the best cost and the least chance of weather-related disruptions.

How it works

- Flights are monitored and alerted in real time based on user weather criteria.
- Each flight route is broken down into several flight segments that consist of two waypoints and both vertical and horizontal tolerances to provide the most accurate data and information.
- Flights are monitored based on altitude, position, and time for a truly 4D experience.
- Routes can be updated at any time, even in-flight, and will be monitored and alerted accordingly.
- Flight route and up to 25 airports are continually monitored for several weather criteria.

Safe, efficient flights under your control

- Send several potential flight plans with specific weather requirements for each route, as well as airports.
- Pilots can receive text-based alerts while en route, allowing them to make adjustments on the fly, saving time and money while ensuring safety.
- Monitor flight plans for aircraft-specific Eddy Dissipation Rate (EDR)-based turbulence, icing, and thunderstorms.
- Get a complete picture of your flight with our Sigmets, TAFs, METARs, TFRs, Convective Sigmets, Airmets, forecast and observed ceiling and visibility, lightning, storm corridors, radar, volcanic ash, and more.

The DTN advantage

- Works with any flight planning or flight following solution.
- Alerts and monitoring can be easily integrated into existing applications via a web service or socket interface.
- Long-term and real-time monitoring capabilities.
- Secure, fully redundant access points in a multidatacenter configuration for the highest level of availability and performance.

"The methodology and specificity of the flight hazard forecasts allow us to create custom briefing packages for pilots, which better prepares them for their flight and what they can expect from the weather."

Hawaiian Airlines