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Complete Weather Intelligence for Helicopter Safety from DTN

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Make better-informed weather decisions

No weather service is more qualified to provide the precise, accurate weather information your helicopter operation demands than DTN. Along with 35 years of experience in meteorological information technology, DTN brings a deep level of aviation expertise to our integrated weather solution for helicopter operations. Our state-of-the-art weather forecasts are consistently unmatched for accuracy, and DTN's AviationSentry Helicopter Edition has earned QICP certification from the FAA, further proving its reliability and security.



Weather has the greatest impact on a helicopter operation's safety and profitability. Harsh weather, including poor visibility, high winds, and thunderstorms, can damage equipment, reduce flight hours, and all too often lead to personal injury or even death.

According to a 2016 study by the International Helicopter Safety Team, 18 percent of commercial helicopter accidents are a result of a misjudgment of the weather. For quick, sound decision-making, everyone in the helicopter operation—from pilots to communications centers and dispatchers—should have access to the same weather observations and forecasts at the same time.

And to prevent any unpleasant surprises during a flight, reliable weather data should be integrated with in-flight helicopter position reports and other operational information. Weather observations, such as radar images or METARs, and forecasts, such as TAFs, need to be current and as close to real-time as possible. This information must be clearly time stamped and reliably provided.

Only comprehensive, accurate, real-time weather information can support helicopter service operational efficiency and the go/no-go decisions that ensure safety.

All the information you need, all from a single source

DTN's AviationSentry® Helicopter Edition provides a coordinated weather information platform that's tailor-made for helicopter operations. With a single source of real-time weather data available for your operations, pilots, ground crew and flight control personnel will all make decisions based on the same set of information. There's no time lost by going to multiple websites and other sources of forecasts and observations—it's all readily in hand, integrated into your operations.

AviationSentry Helicopter Edition is available worldwide and meets compliance standards for U.S. Federal Aviation Administration OpSpec AO21 and Europe's Jar Ops III operating specifications.

Add RotorWatch® for deeper, more customizable weather information

AviationSentry Helicopter Edition subscribers can add DTN's RotorWatch service as an optional enhancement. RotorWatch extends weather information from situational awareness to active decision-making. You can apply your company's own op specs and rules for weather hazards to relate weather information to real-time positions of helicopters for quick and safe decisions—particularly important for air medical flights.

Based on alert thresholds configured to meet a company's specific operations profile—including lightning strike and radar-depicted thunderstorms—RotorWatch integrates real-time weather and helicopter position information, enabling the user to:

- Visualize the real-time position and status of all helicopters in a single display
- Monitor and mitigate the impact of weather on each helicopter or helicopter base



These intuitive, easy-to-parse visual alerts display the weather threats for in-flight helicopters and moving assets, and bases, user locations, and likely destinations, such as hospitals and oil rigs. At a glance, pilots can make informed go/no-go decisions based on the color of their helicopter or base: red means no-go, yellow is marginal conditions, and green means no weather problems exist. "Mousing" over specific helicopter icons provides aircraft ID, current direction, speed, and altitude.

RotorWatch supports helicopters using Outerlink, Blue Sky, SkyConnect, SkyTrack and SpiderTracks transponders. Transponders from other vendors can be added if you need them.

Add DTN's Flight Route Alerting for critical monitoring

Our Flight Route Alerting solution for helicopter operations can improve your flight planning, enhance flight following, and streamline and automate your weather decision support.

Just send us your potential flight plans and specific weather requirements for each route. We'll provide instant feedback on weather events that exceed your parameters for any of your planned routes. This allows you to select the route that offers the best cost and the least chance of weather-related disruptions.

To keep you on top of conditions as they develop, you can receive precise, automated alerts in real time, based on your preset weather criteria and specific aircraft.

The solution will continuously monitor your specific flights and conditions for you—as well as up to 25 locations associated with each route (origin, destination, alternates, and more), until the flight is terminated or canceled by your staff. It offers true 4-D monitoring and alerting for your flight routes, based on altitude, latitude, longitude, and time.

AviationSentry Helicopter Edition provides the comprehensive array of weather information you need, delivered in ways your operations can most effectively use it.

- **Proactive alerts** with vital information on wind, low ceiling, visibility, lightning and other parameters critical to your go/no-go decisions—including patented, location-available only from DTN.
- **Pre-flight weather briefings** with flight-risk checklist preferred by pilots.
- **Industry-leading precipitation forecast accuracy**, ranked most accurate in independent evaluation for ten years in a row, to support your decision-making.
- **Multilingual interface** includes English, French, Spanish, and German.

AviationSentry Helicopter Edition's robust features and reliable information have made it the choice of more than 70 percent of all air medical helicopter operators in the United States.

