



FlightAdvisor

Enhanced safety outside controlled airspace



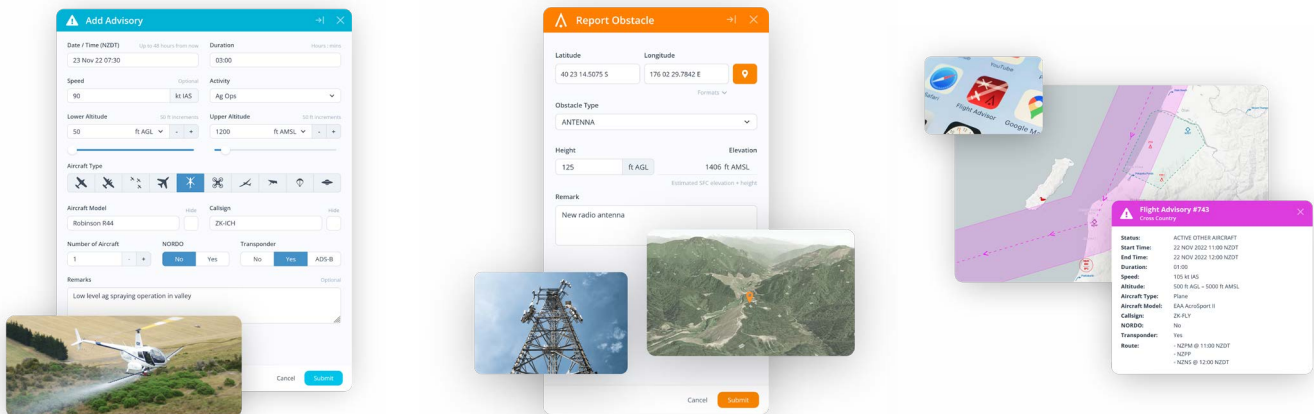
Enhancing safety outside controlled airspace

Flight Advisor is an interactive web-based mapping tool, accessed via a computer, tablet or mobile phone, that improves situational awareness and enhances safety for pilots operating at low levels in uncontrolled airspace. Developed by Aeropath, New Zealand's Aeronautical Information Service in collaboration with the Royal New Zealand Air Force, Flight Advisor is fully funded by RNZAF and is provided free-of-charge to all civilian operators across New Zealand.

Flight Advisor provides RNZAF pilots and civilian operators with an awareness of traffic and potential hazards when operating at low levels – giving pilots operating in this uncontrolled airspace the information they need to keep themselves and other low level airspace users safe.

Visit Flight Advisor at flightadvisornz.io

Key features



Flight Advisories

Flight Advisor enables pilots to draw their planned area of operations or intended flight path for low level flights outside of controlled airspace, on a dynamic mapping tool on the web.

- ▶ Let others know where you are planning to fly ahead of time
- ▶ The dynamic map shows where you intend to operate so all other users can see, and deconflict with your operation
- ▶ Look 48 hours ahead to see what flights have been logged in advance

Reporting Obstacles

Easily report any uncharted hazards you encounter, such as suspended wires, towers, antennas and wind turbines.

- ▶ Mark hazards by dropping a geopin on the map – these are marked as 'user-reported' before being verified by Aeropath
- ▶ See all known obstacles in the areas you intend to operate, both verified and pilot reported

Notifications

Subscribe to receive notifications about potential hazards and obstacles in the area you intend to operate.

- ▶ Draw an area you would like to receive alert notifications for
- ▶ An automatic advisory email and/or SMS message is sent when someone submits a Flight Advisory within that area

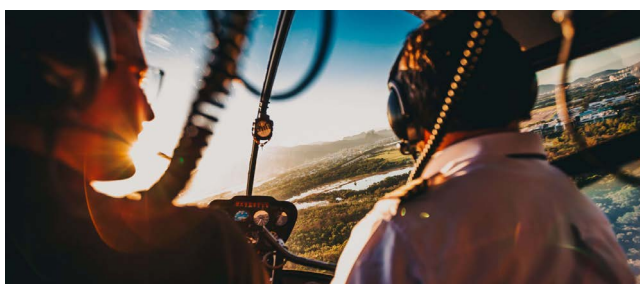
Who uses Flight Advisor?



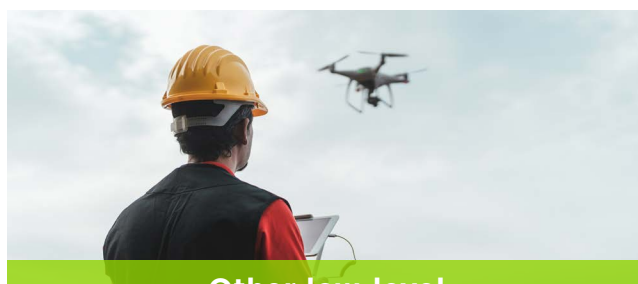
Royal New Zealand Air Force



EMS & helicopter operators



Agricultural operators



**Other low-level
airspace participants**

Keeping airspace users safe

- ▶ Flight Advisor vastly improves situational awareness for operators planning low level flights outside of controlled airspace, an environment where users traditionally don't have access to rich information.
- ▶ Providing a simple mechanism to report and instantly share these hazards with other users improves the hazard data set and enhances situational awareness in real time.
- ▶ Getting the right information to all users (and systems) at the right time contributes to a common operating picture.



What are users saying about Flight Advisor?



Flight Advisor is a powerful tool for the professional UAV operator and a huge step forward for aviation safety for integrating both crewed and uncrewed operations in Aotearoa New Zealand.

UAV New Zealand



It's easy for us to all sit around and talk about safety, and near misses, but to have a system ready to go and available without charge is fantastic.

Juliet Earle, Garden City Helicopters



Can I pass on how excellent this tool is, I don't think we can understate that this will fill a major gap in the industry for airspace safety and awareness.

David Herries, Interpine Innovation

About the development of Flight Advisor

The Royal New Zealand Air Force (RNZAF) approached New Zealand's aeronautical information specialists Aeropath in 2021 to improve their Low Level Flight Advisory process to enhance the safety of their aircrews.

The RNZAF, having noted Aeropath's spatial data management and visualisation capabilities, wanted to improve their notification process, reach a broader community of affected users, and improve the collection and processing of any uncharted hazards reported by their crews.

Flight Advisor builds on the data integration and visualisation capabilities of the Aeropath data platform and data-centric Aeronautical Information Management (AIM) processes that drive the Aeronautical Information Service (AIS) in New Zealand and across the South Pacific.

Flight Advisor is just one of several safety innovations developed by the Aeropath AIM team as they continue to progress along the ICAO AIS to AIM Roadmap, and was the recipient of the CANSO 2022 Global Safety Award.



Aeropath

Aeronautical information
& Flight procedures



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