



Aeropath

Aeronautical information
& Flight procedures



21/12/2022

EXPERTS IN AIM AND PROCEDURE DESIGN

Aeropath is Airways New Zealand's specialist provider of Aeronautical Information Management (AIM) and flight procedure design services.

Our clients are based all over the world and span the full range of aviation operations, including commercial airlines, air traffic control, airports, helicopters, general aviation, UAV operators and state regulators. Our work includes Performance Based Navigation (PBN) procedures development and maintenance, PANS-OPS training, digital aeronautical data management and charting, and development of cloud hosted solutions to support the AIS to AIM transition.

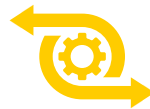
We help our aviation clients to achieve success through our experience, team expertise and breadth of products and services.



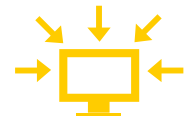
**Performance Based
Navigation**



**ICAO PANS-OPS
training**



**AIS to AIM
transition**



**Data integration and
visualisation**

AIM SERVICES

Aeropath has in-depth experience in all aspects of Aeronautical Information Management (AIM). Our New Zealand Civil Aviation Part 175 certification to provide AIM services is recognised in multiple jurisdictions.

Aeronautical data

We have world-class expertise in aeronautical data and database systems. Data is at the core of what we do and provides the substance from which all other AIM products are generated.

AIP production

Aeropath produces the AIP for New Zealand and several Pacific states. Managing ICAO standards along with the demands of originators and state-based differences can be challenging; Aeropath has the specialised tools, quality assurance expertise and multi-state experience to make AIP management seamless.



Aeronautical charting

Innovators in the fields of aeronautical GIS, Aeropath is developing next generation solutions to enable aviation charts to become more dynamic, tailored to specific uses and fit-for-purpose — whether used on paper, desktop, tablet or cockpit FMS.

PROCEDURE DESIGN SERVICES

Aeropath has broad experience and expertise in flight procedure design — working with State regulators, ANSPs, airlines and airport authorities to design, verify and maintain flight procedures. We operate in a variety of regulatory environments, and the terrain we encounter is varied and challenging.

Flight procedure design and training

We have received ICAO recognition for PBN and conventional procedures, and our practices are aligned with the latest ICAO Standard and Recommended Practices (SARPs). Aeropath's New Zealand Part 173 certification to design flight procedures is recognised in multiple jurisdictions, and we are a contributing member of the ICAO Instrument Flight Procedures Panel (IFPP).

Our PANS-OPS training modules have a strong focus on PBN, and we also offer customised mentoring options to consolidate skills development for new designers.

Performance Based Navigation

Performance Based Navigation (PBN) helps the global aviation community reduce aviation congestion, conserve fuel, protect the environment, reduce the impact of aircraft noise and maintain reliable, all-weather operations, even at the most challenging airports. It provides operators with greater flexibility and better operating returns while increasing the safety of regional and national airspace systems.

Aeropath has enabled the introduction of PBN procedures into some of the most challenging airspace environments in the world across Asia Pacific, Europe and the Middle East.

Aeropath's procedure design team was the world's first design organisation to receive ICAO recognition for PBN compliance, built on decades of experience throughout Asia Pacific.

3,000+ ✈️

Navigation procedures designed for 25+ States

15+ ✈️

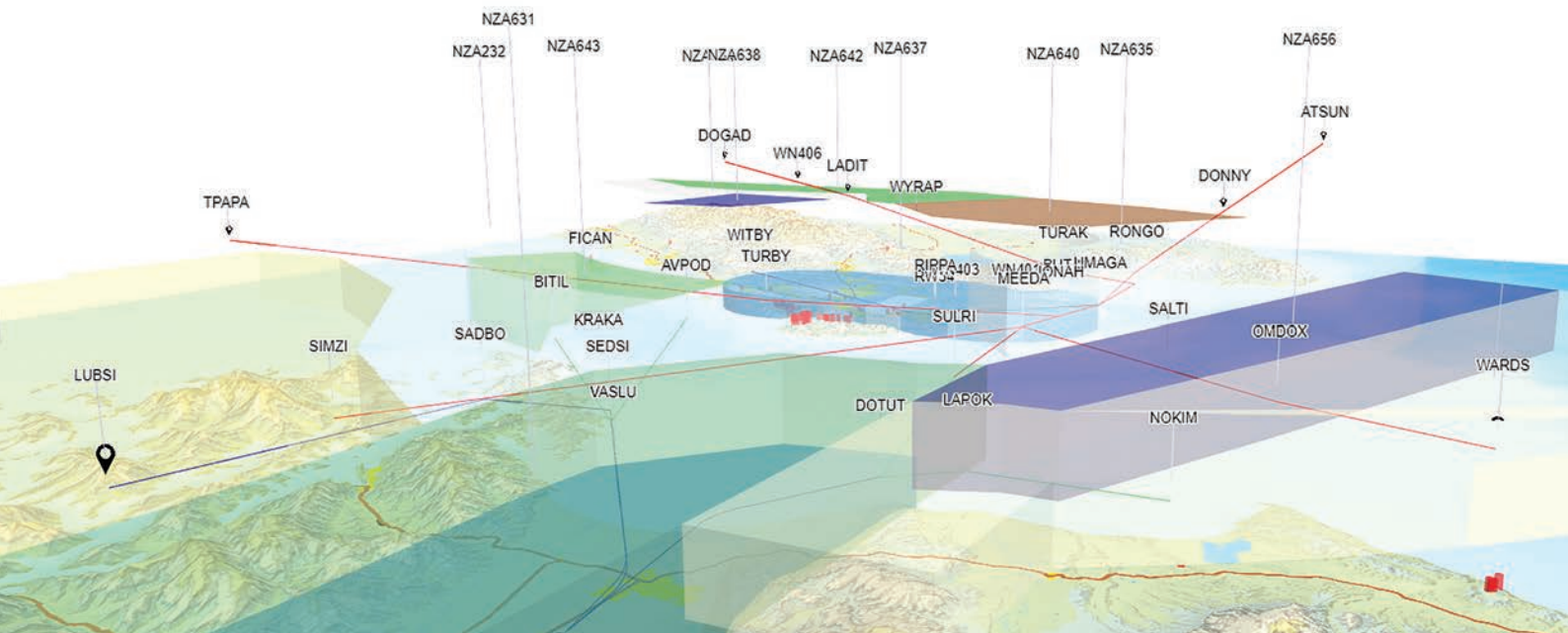
PANS-OPS training for 15+ ANSPs & airlines

80,000+ 📍

Nautical miles of flight routes managed

11,000+ 📊

Aeronautical data elements managed



PERFORMANCE BASED NAVIGATION TRAINING

Aeropath offers a full range of PBN training to help you further develop your organisation's procedure design capability.

Our courses cover the following:

- ▶ **PBN Concept of Operations** — what is PBN, advantages, prioritisation, definitions, navigation specifications
- ▶ **PBN consultation** — collaboration with stakeholders on local issues, flow management, communication, VFR integration, noise and environmental considerations, scoping and airline perspectives.
- ▶ **PBN procedure design** — from conceptual design to final development, including quality assurance, design documentation and storage.
- ▶ **PBN implementation** — implementation and maintenance of PBN procedures in collaboration with stakeholders and regulators.

Talk to us today

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www.airways.co.nz



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AIRWAYS

making your world possible