



Air Traffic Management
Performance-based
Navigation

BOEING **EDGE**
Flight Services

Air Traffic Management

Performance-based Navigation

The comprehensive Boeing portfolio of Performance-based Navigation (PBN) products and services delivers safe and flexible operations, improves fuel economy, reduces cost, reduces environmental impact, and increases airspace capacity.

Boeing and subsidiary Jeppesen offer a complete package of PBN products and services. This package includes fully Required Navigation Performance (RNP) authorization required (AR) equipped new airplanes, RNP retrofits of existing fleets, the design of optimized RNP flight procedures, assistance with air traffic control (ATC) PBN integration, and coordination with regulatory authorities.

We offer the following PBN services:

- PBN Consulting
- RNP AR Flight Crew and Dispatcher Training
- PBN Roadmap Development, in accordance with ICAO mandates
- RNP AR Equipment Upgrades
- RNP AR Application for operational approval
- Regulator, ATC and Air Navigation Service Provider (ANSF) Coordination
- RNP Navigation Database Validation
- RNP Availability Prediction
- PBN Instrument Flight Procedure Design and Implementation
- PBN Flight Operational Safety Assessment (FOSA)
- PBN Flight Validation

Proven PBN value

Boeing PBN experience dates back to the very first RNP flight in 1996, when Boeing and Alaska Airlines pioneered the use of RNP flight procedures in Juneau, Alaska. During the first five months of operations, Alaska Airlines showed that the use of the RNP procedures prevented the cancellation of 42 departures and 152 arrivals, saving the airline approximately \$1 million.

Price

Contact Boeing Flight Services for pricing information.

Boeing Commercial Airplanes

Flight Services

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