



Procedure and Airspace Design

Airspace design expertise for even the most complex scenarios.

As the use of advanced navigation technologies becomes more widespread around the world, expertise and professional terminal/enroute procedure design becomes increasingly important. Jeppesen pioneered aeronautical charting and has been in business for more than 80 years. Still today Jeppesen is the recognized leader in aeronautical navigation. Procedure design is not something to be left to fly-by-night operations—it is critical to go with a leader you trust. A leader like Jeppesen. Our procedure design experts have more than 100 years of combined experience and we are certified by FAA, CASA, ISO 9001 and more.

Jeppesen can deliver trusted results for any level of project, anywhere in the world—from a single procedure to an entire ATM system. And because Jeppesen delivers a complete solution that includes coordination with regulatory bodies and ATC, you can be assured it will be usable in the real-world environment. A great procedure without ATC approval does you no good. Jeppesen procedures are also seamlessly integrated into our master database, ensuring your procedure will work with nearly all FMS/GPS systems in the world.

Jeppesen is one of only two companies in the world to be certified by FAA to design, flight validate and maintain public Required Navigation Performance (RNP) Special Aircrew and Aircraft Authorization Required (SAAAR) procedures in the United States.

- ✔ Customized airspace design and evaluation service—from guiding a single instrument approach procedure through design and successful implementation to redesigning an entire Air Traffic Management (ATM) system
- ✔ Terminal and enroute airway design to support NDB, VOR/DME, TACAN and radar installations
- ✔ All forms of precision approaches, including Category II and III ILS
- ✔ Annual procedure reviews as recommended by PANS-OPS
- ✔ Start-to-finish development support services, including survey management, feasibility studies, airspace designation, coordination with regulatory organizations and ongoing criteria/obstruction evaluation subscription
- ✔ RNP procedures to address specialized routing or highly terrain-challenged locations
- ✔ Area Navigation (RNAV) routes based on satellite navigation (GPS/GNSS) or ground-based navigation aids (NAVAIDs)
- ✔ Instrument approach and departure procedures, Standard Instrument Departures (SIDs), Standard Terminal Arrival Routes (STARs), noise abatement strategies, engine-out procedures, enroute airways, charted visual approach procedures, and ICAO-compliant and tailored charting as required
- ✔ We apply the latest navigation concepts and criteria to deliver increased operational efficiency, safety and capacity

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- ✔ Consulting and analysis services that help you formulate and achieve your goals for a customized airspace master plan
- ✔ Full line of radar-based products, including Minimum Vectoring Altitude Charts (MVAC) and surveillance approaches
- ✔ ARINC 424 coding

Our airspace design services have consistently yielded benefits for our customers around the world.

- ✔ Coordination and compliance with regulatory authorities
- ✔ Airspace capacity improvements
- ✔ Reduced air carrier fuel usage and decreased emissions
- ✔ Avoidance of noise sensitive areas
- ✔ Reduced diversions
- ✔ Lowered instrument approach weather minima

- ✔ Identify affordable ATM solutions through feasibility studies
- ✔ Increased operational efficiencies and competitive advantage through customized flight procedures

Our experts have a proven track record, with successful procedure and airspace design projects implemented in over 30 countries around the world. Technical staff members are fully trained and up-to-date on FAA (TERPS) and ICAO (PANS-OPS) standards and processes relating to all aspects of instrument procedure design, including enroute, feeder routes, special use airspace and terminal procedures. Many have fixed and rotary-wing flying experience. Others served as air traffic controllers in both civil and military organizations. This unique diversity of real world experience and a successful track record means Jeppesen develops optimal solutions that work.

We focus on efficiency to help you save time and fuel with the latest technology, design criteria and ATM advancements.

[Learn more about what we offer.](#)

For more information, please email sales.gma@jeppesen.com