

In a rapidly changing aviation market, Jeppesen delivers the expertise and skillset flexibility that modern aviation authorities and operators need to stay competitive. We solve aviation's most complex tasks by providing experts whose sole mission is to remove burdens and improve efficiency.

Airspace Optimization Group

Jeppesen Airspace Optimization Services

Modern solutions that apply the latest navigational concepts and technologies to maximize airspace capacity, accessibility, efficiency and increase safety for pilots, operators, and air traffic control.

Jeppesen has been the recognized and trusted leader in aeronautical navigation for over 80 years. Our team has experience with procedure and airspace design, and our Airspace Solutions are certified by several worldwide regulatory agencies. We have implemented successful procedure and airspace design projects in more than 30 countries, and we are the only airspace design team with our own NOTAM management tool to ensure important updates are published and globally available as soon as they're approved.



An Encyclopedic Offering of Services

We have an unmatched range of capabilities, including:

- The latest in technology from Performance Based Navigation (PBN), Ground-Based Augmentation Systems (GBAS/GLS) and Established on RNP (EoR)
- Terminal and enroute airway design utilizing satellite and terrestrial navigation
- All forms of conventional and precision approaches, including Category II and III ILS
- SIDs, STARs, noise abatement strategies, engine out procedures, enroute airways, RNAV visual approach procedures and ICAO compliant and tailored charting
- Consulting service to develop modeling for airspace and airport movement areas to support business cases for "what-if" scenarios to measure effectiveness



Simultaneous Approach Risk Evaluation

Jeppesen has the unique capability to address TCAS and wake turbulence alerts with an Established on RNP Independent Simultaneous operation, as required by ICAO. In doing so, this turnkey service can be provided to bring this capacity increasing capability to any airport with parallel runways.



Unmatched Planning and Design Experience

We have deep experience with Ground-Based Navigational Systems (GBAS/GLS), Performance-Based Navigation (PBN), Required Navigation Performance (RNP) authorization, and RNP Authorization Required (RNP AR) development and implementation. Jeppesen is certified by the leading global regulators to design, flight validate and maintain public procedures following ICAO and State regulatory guidelines.



Benefits for Agencies and Operators

Modernizing airspace yields tangible benefits for carriers, agencies, and operating authorities alike. Redesigning outdated procedures can yield capacity increases, reduced fuel usage, and decreased emissions. It can also reduce diversions by lowering instrument approach minima and improving accessibility into areas where airspace was previously constrained. Customized flight procedures can provide a distinct competitive advantage when every engine-on minute has a bottom-line impact.

Want to learn more? Email sales.gma@jeppesen.com