

INSTRUMENT FLIGHT PROCEDURE DESIGN SERVICES



Procedure Design Services

Tailored solutions

As the demand for more efficient air navigation solutions increase, several aircraft operators turn to independent providers of Instrument Flight Procedure Design services. Tailor-made procedures that utilize specific aircraft performance have the potential to drastically reduce costs and to improve efficiency to airports world-wide.

AVINOR Procedure Design Services provides a wide range of Air Navigation Services. Our team has years of experience in Instrument Flight Procedure Design Services, honed by an extensive aviation background including Air Traffic Control, ARINC 424, Cartography and commercial piloting. Our diverse background gives us an overview which enable us to offer a highly competitive and unique service.

This information pamphlet was given to you because we believe our services may be beneficial for your company. If any of these services appear interesting, please contact us either through e-mail or via our web site www.pansops.no

«It is not really necessary to look too far into the future, we see enough already to be certain it will be magnificent. Only let us hurry and open the roads»

— Wilbur Wright

Performance-Based Navigation

The future navigation for years to come

Performance-Based Navigation (PBN) is a term used to describe the broad range of technologies that are shifting aviation away from ground-based navigation systems toward a system that relies solely on the performance and capabilities of equipment on board the aircraft.

It involves a major shift from conventional ground-based navigation aids and procedures to satellite-based navigation aids and area navigation procedures, which are more accurate and allow for shorter, more direct routes between two given points as well as more efficient takeoffs and landings.

This again enables reduced fuel burn, airport and airspace congestion, and aircraft emissions. PBN will allow the implementation of airspace structures that take advantage of aircraft able to fly more flexible, accurate, repeatable and therefore deterministic three dimensional flight paths using onboard equipment capabilities. It has variously been described as reengineering the way we fly.

PBN is therefore laying the foundations for the airspace system not just of tomorrow, but for years to come as future navigation developments such as three-dimensional (3D) and four - dimensional (4D) user preferred trajectories evolve.

What PBN can offer:

- More predictable operations.
- Reduced fuel burn.
- Curved path transitions.
- Greater tactical flexibility with the possibility to establish safe and efficient instrument flight procedures wherever desired.
- Higher integrity from RNP which brings greater assurance to the safety equation and reduces flight crew workload.

What we can offer:

With several years of experience in PBN procedure design, Avinor Procedure Design Services can offer customized procedures, optimized for specific aircraft performance and/or company operations.



Instrument Flight Procedure Design

Specialists in Performance Based Navigation

With years of experience in Instrument Flight Procedure Design we can offer a wide range of services, from conventional navigation to RNP AR, APV (PANS-OPS), or company contingency procedures (EASA-OPS). As part of several international groups and panels of specialists within PBN (e.g. IFPP & RAISG) we have both the influence and the first-hand knowledge of any new criteria and regulations.

Please do not hesitate to contact us with any question or request.

Charting Services

Fully customizable procedure charts

As an extra service to our customers of IFPD services, we also offer fully customizable procedure charts to meet all your operational requirements. Tailored charts with layouts and text pages to suit any specific operations and/or preferences.

Contact us directly from our company web site to request some examples of possible layouts.

Ground Training Solutions

Tailored courses at request

If you request a tailor-made training course at AVINOR Procedure Design Services, the course you receive is designed specifically according to your requests and given either at the location of your choice (in-house at your company or at a suitable location of your choice), or as a e-learning/CBT course.

Some suggested courses can be found on the company web site.