

# AIRSPACE AND PROCEDURE DESIGN

## INSTRUMENT FLIGHT PROCEDURE AND AIRSPACE DESIGN & MAINTENANCE

In times of growing air traffic, tighter environmental and noise abatement constraints, Instrument Flight Procedure (IFP) and Airspace Design are key elements for a smooth and efficient air traffic flow.

Skyguide has the infrastructure and expertise to provide design, verification and maintenance of Flight Procedures and/or Airspace Volumes according to the latest ICAO standards<sup>1</sup>. With innovative and Swiss-precision designs based on the latest technologies and criteria, skyguide enables the best performance for your operations.

Our state of the art design solutions will help to improve safety, capacity, cost efficiency, reliability and environmental impact:

- RNAV/RNP procedures to support PBN operations such as:
  - RNAV/RNP Terminal procedures (e.g. SIDs, STARS)
  - RNP approaches
    - LNAV
    - LNAV / VNAV
    - LPV / LPV CAT I (LPV 200)
  - RNP AR - approaches for very challenging environments
  - GBAS operations
  - PBN to/from xLS
  
- Helicopter IFR solutions
  - RNP 0.3 in all phases of flight
  - Helicopter route network, Low Flight Network
  - Point-in-space (PinS) approaches and departures to/from helicopter landing sites
  
- Airspace optimization in regards to traffic flow



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<sup>1</sup> All procedures are designed in accordance with ICAO Doc 8168 PANS-OPS Vol II, Doc 9613 PBN Manual, Doc 9905 RNP AR Manual, Doc 9906 Quality Assurance Manual and national criteria as applicable.