

## HELICOPTER PBN OPERATIONS

Taking benefit from new technologies (and regulations), using Performance-based Navigation skyguide can significantly improve daily operations of helicopters.



Today helicopter operations can benefit from advanced instrument flight procedures using ICAO Performance-based Navigation. Skyguide significantly increases the operations of all-weather conditions (day and night), gaining in accessibility and safety. Skyguide provides instrument flight procedure designs and implementation support, for: helicopter operators, both civil and military; airports; hospitals; Air navigation Service Providers; and Civil Aviation Authorities.

Skyguide has proven **success** designing and supporting:

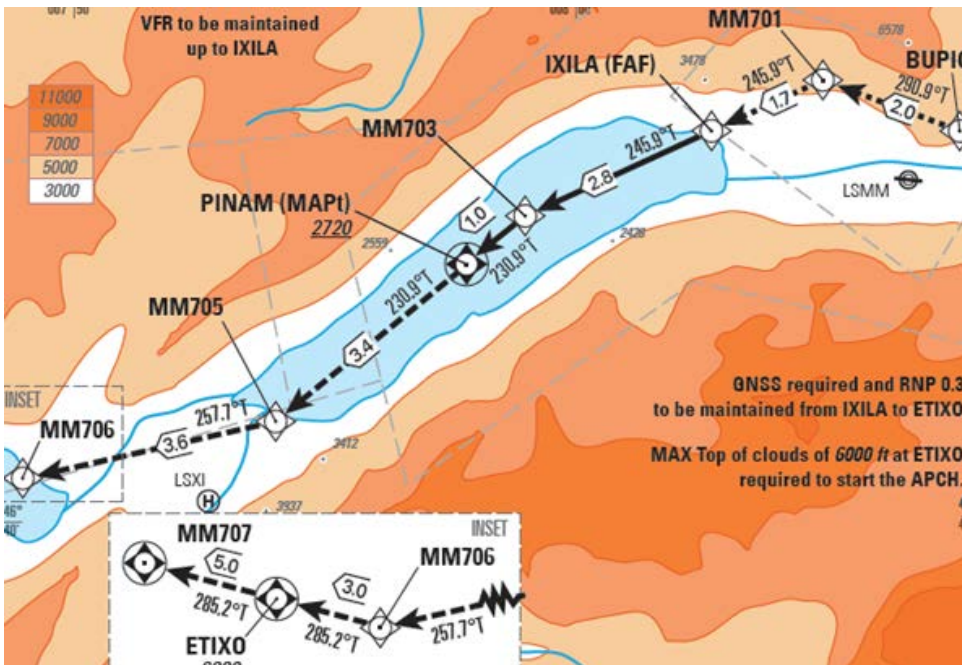
- Low Flight Network for helicopter operations
- Point-In-Space Approach & Departure
- RNP 0.3 All phases of flight
- RNP Approach PinS LPV
- Helicopter Emergency Medical Services (HEMS) procedures
- Ground & support to Flight validation
- GNSS signal-in-space performance assessment
- Implementation support for new procedures
- Maintenance of instrument flight procedures



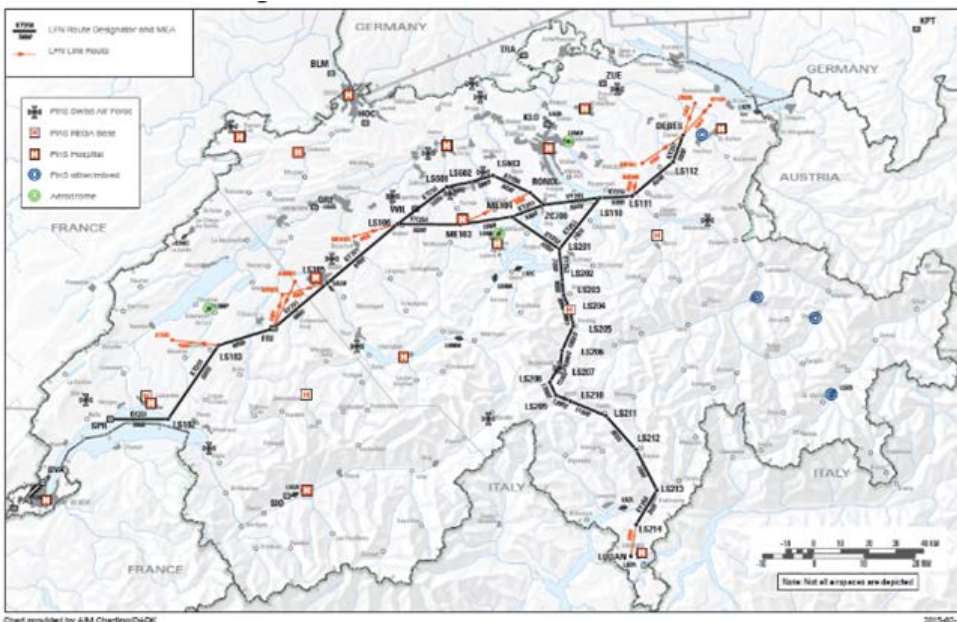
**Contact:**  
skyguide

Tel. +41 43 931 65 77  
sales@skyguide.ch  
www.skyguide.ch

skyguide  
swiss air navigation services ltd.  
flugsicherungsstrasse 1-5  
CH-8602 Wangen



Safely connecting strategic locations such as Hospitals, airbases, airports, anywhere, anytime in all-weather conditions is a key benefit of a Low Flight Network (LFN). Developed for helicopter-specific operations, the LFN takes full advantage of Performance-based Navigation. In Switzerland, skyguide leads this implementation in a challenging environment using RNP 0.3 navigation specifications. This network is already operational as one of the first implemented worldwide.



Low Flight Network implemented in Switzerland



**Contact:**  
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