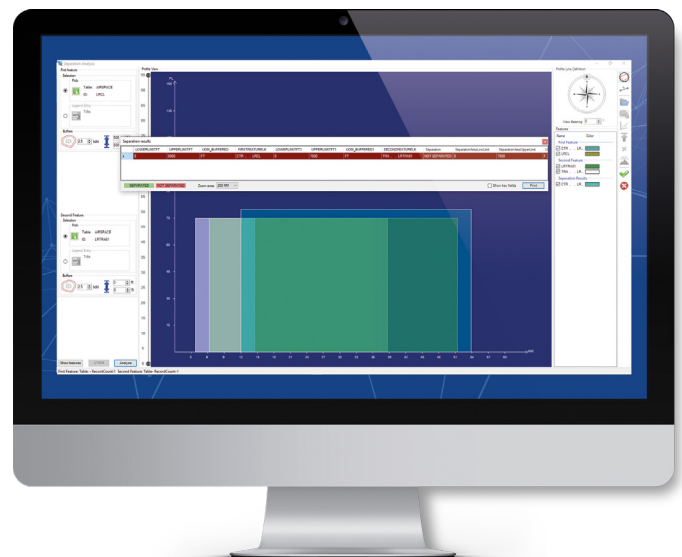
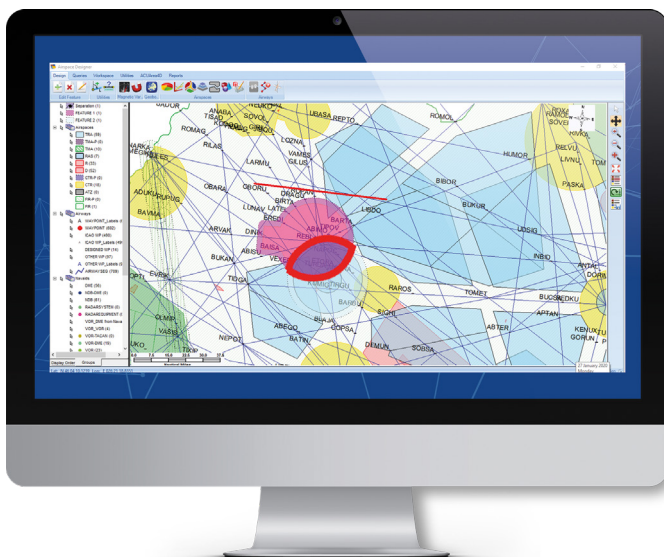


Airspace Designer

» Airspace Designer is the IDS AirNav tool for the design and maintenance of airways / routes and bounded airspaces. Airspace Designer includes construction rules based on ICAO and custom criteria. Airspace Designer can:

- Analyze the horizontal and vertical separation between volumes (airways, airspaces, procedures, etc) using default or custom buffers;
- Calculate lower limit, upper limits, MOCA for routes / airways and airspaces;
- Compute bulk magnetic variation and geometry constraints for routes / airways;
- creates obstacle protection areas for all types of airways and routes;
- allows users to perform terrain and obstacle assessments by importing and utilizing digital terrain data relevant to procedure design, in any known projection, datum or resolution / accuracy;
- stores all the data in the central AIS temporal database including usage and services to fully support the AIRAC cycle.
- Support CCO and CDO operations;



Airspace Designer

- ATS data is stored and managed in the IDS AirNav AeroDB database, with dedicated data translators providing data interchange and AIXM data storage capability.
- Airspace and route design and maintenance through protection areas and buffer calculations.
- Airspace and route lateral separation using horizontal and vertical buffers.
- Spatial analyses (attribute query, spatial query).
- 3D Visualization using internal 3D viewer and KML export for Google Earth visualization.

Benefits

» TIME SAVING:

Separation analysis are performed in few seconds according to pre-defined criteria;
Data loading does not require any conversion.



» SAFETY:

Full Quality Assurance documentation in accordance with the ICAO 9906 Vol. III requirements.
Analysis is driven by default (but configurable) rules and calculations derived from the reference criteria.

» INTEROPERABILITY:

The only airspace design system fully integrated in a complete AIS/AIM suite.

Full integration within the IDS Air Nav suite of products enables the EUROCONTROL Aeronautical Data Quality (ADQ) mandate to be respected. All input and output data for each single step of the design are tracked by PLX.

The user can define via PLX the number of attributes added by the designer/CNS department (activation hours, services, etc) prior to acceptance by the AIS department.



» REGULAR UPDATES:

AD is continually updated ensuring that all calculations are in accordance with current criteria and applicable annexes and changes.

Airspace Designer is also fully compliant with the latest ICAO requirements in terms of software validation as stated in the ICAO Doc. 9906 Vol. III and European law.