



AERONAVDATA™

Where information takes flight

## AeroNavData Supports the UK Royal Air Force

### AeroNavData Tools convert DAFIF® for Flight Management System use on 6 RAF airframes

AeroNavData coded 3000 European Terminal Procedures and delivered ARINC data directly to the Royal Air Force (RAF) No 1 Aeronautical Information Documents Unit (No 1 AIDU). We delivered this data in a format compatible with NGA's Digital Aeronautical Flight Information File (DAFIF®) where it was merged with AIDU's GOTHIC database. Our D2A Conversion tool was then used to convert the merged procedures into a format that could be loaded directly into the Flight Management Systems of six RAF airframes.

DAFIF® is a unique format suitable for mission planning and limited flight management system (FMS) applications. To make DAFIF® useful in the majority of aircraft FMS's No 1 AIDU must convert it to the international Aeronautical Radio Inc. (ARINC) 424 format. Critical to this conversion process is an accurate mapping of aeronautical data from DAFIF® to ARINC coupled with software that performs consistently without error.

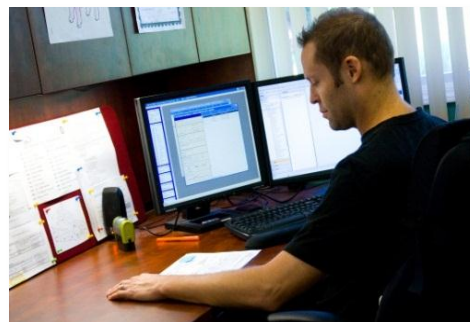
No 1 AIDU provides valuable geospatial data to all aspects of HM Armed Forces and is charged with the production of all aspects of aeronautical data, including arrival, departure, approach, and enroute data.

In addition to this *domestic* mission, No 1 AIDU has an *international* mission of support to the U.S. National Geospatial-Intelligence Agency (NGA) sponsored Quintipartite Committee. As a Quint member, No 1 AIDU is charged with maintaining the aeronautical navigation dataset for Western Europe.

No 1 AIDU uses the DAFIF® as well as other foreign Aeronautical Information Publications (AIP) to maintain its GOTHIC database. Although DAFIF® is a worldwide dataset, it only contains terminal procedures

specifically requested by the U.S. military and therefore, does not completely address the RAF's mission requirements.

AeroNavData's years of DAFIF® and ARINC domain expertise enabled us to support AIDU's mission and assist them in the fulfillment of their 'Quint' obligations by expanding the size and scope of its GOTHIC aeronautical database.



### Procedures and Aircraft

- Departure Procedure (DP), Standard Terminal Arrival Route (STAR), Instrument Approach Procedure (IAP)
- Enabled the FMS in: Tristar, E3, Merlin, VC-10, FSTA, and C130J airframes

### Did You Know?

- ➔ Did you know that **AeroNavData** is 1 of only 5 certified aeronautical navigation data providers in the world?
- ➔ Did you know that in six hours **AeroNavData** created and supplied all the flight navigation data for Port au Prince in support of the Haiti Earthquake relief effort?
- ➔ Did you know that **AeroNavData** can assess flight procedure viability based on aircraft characteristics and provide a 3D simulation allowing aircrews to visualize a procedure prior to mission launch?
- ➔ Did you know that **AeroNavData** creates aircraft navigation data for the US Air Force worldwide?
- ➔ Did you know that **AeroNavData** built the cockpit navigation data for the South Pole: Operation Deep Freeze 2010?
- ➔ Did you know that **AeroNavData** creates and maintains every flight procedure contained in the US FAA National Flight Database?
- ➔ Did you know that **AeroNavData** is capturing 9,000 airports worldwide for the US FAA Surface Movement Guidance and Control System?

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