



AERONAVDATA™

Where information takes flight

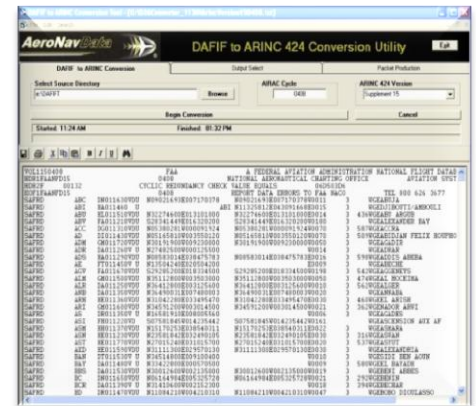
Contingency Operations

Haiti Earthquake Relief Effort

Visual Procedure Check



DAFIF to ARINC Conversion (D2A)



AeroNavData is qualified to provide FMS navigation data in support of contingency operations. This competency was demonstrated in our support of the Haiti Earthquake in January of 2010. Approximately one week following the earthquake, AeroNavData was included in an email request that was sent out to members of the aeronautical community asking if anyone had RNAV procedure data for Port Au Prince and Santo Domingo. AeroNavData had the ability create the cockpit navigation data and responded immediately with a process that would deliver the navigation data to NGA within 8 hours. The Air Force and NGA were both on board with the proposed process idea and offered their full support. The AeroNavData team developed the needed RNAV navigation files and delivered them to NGA within 8 hours for inclusion in NGA's first out-of-cycle DAFIF output in support of the operation. *This same process could be adopted to support future military contingency operations as necessary.*

The VPC/DPC Tool was designed to display terminal procedure coding in either a DAFIF or ARINC format. It is also designed to give the user the ability to enter aircraft characteristics such as FMS bank angle, Vertical Speed and True Airspeed. This gives aircrews and users the ability to visually ensure that the coding meets the Flight Information Publication (FLIP) design and also how a procedure contained in the DAFIF dataset will fly. Another major benefit of the tool is the ability to fly the procedure in a Google Earth environment in order to familiarize the pilots with the destination airport and surroundings prior to mission launch. This image shows the projected flight path for the correctly code RNAV RWY 28 approach at Port Au Prince, Haiti.

The DAFIF® to ARINC (D2A) Converter Program is AeroNavData's proprietary software application that quickly converts a worldwide DAFIF® file into a standard ARINC 424 navigation file. This conversion gives military customers the ability to use the converted DAFIF® file in cockpit off-the-shelf flight management systems, such as the C-130J upgrade to GE FMS equipment while using DAFIF for mission planning in systems such as the Joint Mission Planning System (JMPS). While the use of DAFIF is very cost effective for the Air Force, it more importantly removes the confusion caused by using DAFIF in Air Force mission planning systems and a different commercially provided data source in the cockpit FMS.

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DUNS#: 168279417
NAICS: 518210, 541511,
541512, 541690, 611710
CAGE CODE: 33GX2