

## Portable Source Initiative

In response to popular demand, The Visual Group has undertaken an effort known as the Portable Source Initiative, a program intended to create cross-platform compatible multi-spectral databases by building a managed source set of data and expending a minimal amount of effort republishing run-time formatted proprietary databases.

To this end, with the endorsement of the Army's PM Cargo, we are offering a sample set of the source data we are building for the CH-47F TFPS program to the vis-sim industry at large to republish into your own format. The databases could then be shown in a comprehensive forum, such as IITSEC, or used as demonstration tools.

A few rules:

- As the data provided is US Government owned, a non-distribution statement will be required.
- Database must be built solely from the source data provided.
- As some of the data was purchased, all contributing vendors should be given credit.
- No data shall be added, nor enhanced other than by repeatable techniques using the source provided. The use of detail texture, however, is acceptable.
- Any enhancement by repeatable techniques must also be able to be fed back into the source data and freely distributable in the same formats we provide.
- The database may be used for marketing, and must be given to any US Gov't facility upon request, but not sold.
- To avoid impropriety, all data is going to be made available to all vendors. Any work done to our standard dataset by us will have to be done in the best interests of all participating parties, in our best interest, or similar work shall be performed for all vendors.
- And finally, the process used to convert the database must be repeatable, and documented at a level that would allow an experienced database engineer to follow the steps given the tools and the source. These processes must then be fed back to the Navy.

Data will be provided in two stages:

1<sup>st</sup> set available Sept. 5 –

DTED filtered and delivered as 16 bit signed geo-tiff files

16m full color ortho-corrected mosaiced imagery of a 4x4 degree area

4m true color data of a 50km square

5m true color (5m CIB blended with landsat) of a 50km area

2m inset around China Lake

1m inset around NTC Ft. Irwin

Two airfields – one completely polygonized and one only a few textured polygons, and site-specific buildings modeled in OpenFlight 15.7 format

ArcInfo shape files with positional data for all of the geo-specific models

ASCII files with positional data for all of the geo-specific models

ArcInfo shape files for areals, linears, and point features.

OpenFlight 15.7 geo-typical cultural features.

2<sup>nd</sup> set available Oct 1 –

additional urban geo-typical models

additional shape files describing placement of additional features.

All imagery will be color balanced and delivered as geo-tiff in WGS-84 lat/lon projection. Mosaiced imagery will be available for reprojection upon request in .img (ERDAS) format. ArcInfo shape files will be WGS-84 lat/lon. They will be attributed to point to delivered OpenFlight models.

Product will be a visual database of the entire region with geo-specific imagery draped over terrain with high-resolution insets. Incorporated will be rural, urban, and geo-specific 3-D fixed features, as well as high-resolution airfields. It should be capable of supporting the normal flight operations of both low slow and high fast fliers.

For more information, or to sign up for distribution, contact Kent Nichols at [nicholswk@navair.navy.mil](mailto:nicholswk@navair.navy.mil)