

The integration of ENVI as the 0261 raster manipulation software continues

As the Marine Corps' geospatial community heads towards the Distributed Common Ground System - Marine Corps (DCGS-MC), many system changes are clearly visible. Most noticeable is the software traditionally used for "all things raster." Leica Geosystems' Earth Resource Data Analysis System (ERDAS) Imagine is transitioning out of the Topographic Production Capability (TPC) software and applications lineup. However, not to worry as the way ahead is being established through a sound collaboration between the Environment for Visualizing Images (ENVI) developers at ITT Visual Information Solutions, the formal school house at The School of Geospatial-Intelligence (TSG), and the TPC's designers.

The impacts will be evident in 2010 as ENVI will not only improve the Remotely Sensed Imagery (RSI) block of instruction within the 0261 basic course at TSG, but will also lend itself to a series of TPC Spiral upgrade tag-a-long training sessions.

Also of note is the close partnership between ITT Visual Information Solutions and the Environmental Systems Research Institute, Inc. (ESRI). The interoperability between these Geospatial companies will prove beneficial in the evolution of the future generations of Geographic Intelligence Specialists. This could potentially aid in the re-awakening of some Mutli-Spectral Imagery (MSI) analysis skill sets that have gone dormant during the high pace requirements of nearly 10 years of Operation Iraqi Freedom and Operation Enduring Freedom.

Until then, 0261 Marines will enjoy streamlined processes for automated Ground Control Point (GCP) selection and in future iterations of ENVI software versions, the introduction of user-friendly methods to use Digital Point Positioning Data Base (DPPDB) stereo pairs to create elevation data.

POC: GySgt Gonzales, TSG gilbert.p.gonzales@nga.mil

2010 USMC GEOINT Conference

The 2010 USMC GEOINT Conference, sponsored by HQMC-IPI and IOP, is tentatively scheduled for 7 - 11 June 2010 at Stennis Space Center near Gainesville, MS. The announcement message will be released in March 2010 notifying the operating forces of this event. **SO BE ON THE LOOKOUT FOR IT!**

POC: GySgt C. L. Jourdan,
HQMC-IPI
christopher.jourdan@usmc.mil

METOC GIS Course Development

As METOC continues to integrate into the geospatial realm, it is well recognized that a deficiency exists in both GIS training and education. At the 4000 level, GIS events have been entered into the METOC Training & Readiness Manual.

To rectify the gap in training, we will be working the development of a METOC GIS course (official name yet to be determined) that provides METOC Marines with basic concepts of GIS, operator training for ArcGIS, assessment of METOC parameters and creation of METOC models. The following includes a generalized list of target areas:

- Basic geospatial theory
- ArcGIS operation
- Geodatabases
- Import/export METOC data
- Hydrological modeling (flood prediction)
- Atmospheric sensing strategies
- Trafficability assessments (precipitation versus soil moisture)
- Environmental impact assessments

We will be holding a working group to bring in subject matter experts within the realms of both the geoscience and geospatial communities. If you are a SME that wants to assist the METOC community, and hence Marine Corps GEOINT, please contact MSgt Kari Hubler at the Naval Meteorology and Oceanography Professional Development Center in Gulfport, MS. DSN 868-3386.