



Integrated Informatics Inc.

www.integrated-informatics.com

North American Datum Conversion

Enhanced Value through Applied Analysis

Industry Overview

The Canadian Petroleum industry has embarked on adopting North American Datum 1983 (NAD83) as its new standard for data exchange between companies and government agencies. This movement stems from decisions made within provincial governments to eliminate data distribution in multiple datums and to begin standardization of spatial data exchanges from the Petroleum industry.

Issues Affecting Industry

We know that migration from NAD27 to NAD83 could result in significant expenses to companies, especially if all the nuances and interactions of survey systems, datums, and geomatics are not well understood from the start. Compounding the issue of NAD27 versus NAD83, in Western Canada especially, is reliance on geospatial information that is relatively referenced to various versions of survey grids, for instance, the Dominion Land Survey.

Experience and Expertise

Geomatics and computing technology have advanced such that datum and survey system conversions are relatively straightforward to complete. However, technology alone is not enough! Only effective application of technology coupled with the right experience and expertise can guarantee a successful deployment of repeatable and defensible migration/conversion processes within your organization.

Knowledge and Understanding

Integrated Informatics has a vast amount of knowledge and experience in managing and maintaining large corporate spatial databases and we have implemented our unique suite of standards-centric, process-driven approaches for many major international and Canadian-based energy companies. Our solutions cover virtually all data types common in the energy sector – well, seismic, land, and culture – and a wide variety of open and proprietary formats – vector, raster, and database.

Implementing Solutions

So whether your company chooses to migrate entirely to NAD83 or simply to manage data exchanges, Integrated Informatics has the right collection of tools and procedures for you. Our purpose-built tools for management of datum and survey system transformations have been implemented as standalone data exchange applications, extensions to GIS platforms, and add-ins for mapping applications.

Put our team to work for you! Our diverse suite of solutions is focused on establishing and enhancing the true value of GIS and applied data management in your organization.

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