## ISO Geodetic Registry

Item class Transformation

Name WGS 84 (G1150) to ITRF2000 [1]

Item statusVALIDIdentifier606

Information source Title Addendum to NIMA TR 8350.2: Implementation

of the World Geodetic System 1984 (WGS 84)

Reference Frame G1150

Author National Imagery and Mapping Agency
Publisher National Imagery and Mapping Agency

Publication date 2003

Edition date

Series/Journal name Technical Report

Issue identification TR8350.2

Information source Title A Refinement to the World Geodetic System 1984

Reference Frame

Author M. J. Merrigan, E.R. Swift, R.F. Wong, Saffel J.T.

Publisher Institute of Navigation

Publication date 2002-09

Edition date

Series/Journal name Proceedings of the 15th International Technical

Meeting of the Satellite Division of The Institue of Navigation (ION-GPS-2002), Portland, OR,

September 2002

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Data source ISO Geodetic Registry

Remarks Null transformation. WGS 84 (G1150) derived from ITRF92 at epoch

2001.0.

Operation version 1.0

Scope Spatial referencing

Operation accuracy 0.02 m

Source CRS WGS 84 (G1150) - XYZ

Target CRS ITRF2000 - XYZ

Operation method Coordinate Frame Transformation (geocentric Cartesian domain)

#### Extent

Description

World.

Geographic Bounding Box
West-bound longitude
North-bound latitude
East-bound longitude
South-bound latitude
-90.0

#### Operation parameter values

 X-axis translation
 0.0 millimetre

 Y-axis translation
 0.0 millimetre

 Z-axis translation
 0.0 milliarc-second

 X-axis rotation
 0.0 milliarc-second

 Y-axis rotation
 0.0 milliarc-second

 Z-axis rotation
 0.0 parts per billion

# **ISO Geodetic Registry**

Item class OperationMethod

Name Coordinate Frame Transformation (geocentric

**Cartesian domain)** 

Item status VALID Identifier 74

Alias Coordinate Frame Transformation

Alias 7-Parameter Transformation

Alias Bursa-Wolf Transformation

Data source ISO Geodetic Registry

Remarks This method is a specific case of the Molodensky-Badekas (CF)

method in which the evaluation point is at the geocentre with

coordinate values of zero. Note the analogy with the Position Vector

transformation method but beware of the differences!

Formula Geomatics Guidance Note No 7, part 2: Coordinate Conversions and

Transformations including Formulas

### Operation parameters

X-axis translation
Y-axis translation
Z-axis translation
X-axis rotation
Y-axis rotation
Z-axis rotation
Z-axis rotation
Scale difference