ISO Geodetic Registry

Item class VerticalCRS

Name EVRF2007 - NHt

Item status VALID
Identifier 409

Alias European Vertical Reference Frame 2007,EVRF2007_AMST / NH

Information source Title EVRF2007 as Realization of the European

Vertical Reference System

Author M. Sacher, J. Ihde, G. Liebsch, J. Makinen

Publisher Istituto Geografico Militare, Firenze

Publication date 2009

Edition date

Series/Journal name Bollettino di Geodesia e Scienze Affini

Issue identification Volume 68, No. 1

Page 35-50

Data source ISO Geodetic Registry

Remarks Uses Normal heights referenced to the GRS80 ellipsoid. Replaces

EVRF2000 - NHt.

Scope Spatial referencing

Datum European Vertical Reference Frame 2007

Coordinate System Vertical CS. Axis: height (H). Orientation: up. UoM: m.

Extent

Description	Europe - onshore - Ando Bosnia and Herzegovina Czech Republic, Denma France - mainland, Gern Hungary, Italy - mainlan Liechtenstein, Lithuania Netherlands, Norway, Po Romania, San Marino, S Spain - mainland, Swedo Kingdom (UK) - Great Bac City State.	a, Bulgaria, Croatia, rk, Estonia, Finland, nany, Gibraltar, d and Sicily, Latvia, l, Luxembourg, oland, Portugal, lovakia, Slovenia, en, Switzerland, United
Geographic Bounding Box	West-bound longitude	-9.56
	North-bound latitude	71.21
	East-bound longitude	31.59
	South-bound latitude	35.95

ISO Geodetic Registry

Item class VerticalDatum

Name European Vertical Reference Frame 2007

Item status VALID
Identifier 144

Alias EVRF2007

Information source Title EVRF2007 as Realization of the European

Vertical Reference System

Author M. Sacher, J. Ihde, G. Liebsch, J. Makinen

Publisher Istituto Geografico Militare, Firenze

Publication date 2009

Edition date

Series/Journal name Bollettino di Geodesia e Scienze Affini

Issue identification Volume 68, No. 1

Page 35-50

Data source ISO Geodetic Registry

Remarks Replaces EVRF2000. Normal heights are referenced to the GRS80

ellipsoid.

Anchor definition EVRF2007 is realised by an adjustment of geopotential numbers and

Normal heights of the United European Levelling Network. Height at Normal Amsterdams Peil (NAP) is zero, realized by least squares fit to 13 stations of the EVRF2000 solution. The realization used in Finland, Norway, Sweden, Denmark, Estonia, Latvia, Lithuania as well as northern parts of Germany and Poland were reduced to the epoch 2000 using the land uplift model NKG2005LU provided by the Nordic

Geodetic Commission.

Release date 2008 Coordinate Reference Epoch 2000.0

Scope Spatial referencing

Extent

Description	Bosnia and Herzegovina Czech Republic, Denma France - mainland, Gern Hungary, Italy - mainlan Liechtenstein, Lithuania Netherlands, Norway, P Romania, San Marino, S Spain - mainland, Swed Kingdom (UK) - Great B	pe - onshore - Andorra, Austria, Belgium, nia and Herzegovina, Bulgaria, Croatia, h Republic, Denmark, Estonia, Finland, ce - mainland, Germany, Gibraltar, gary, Italy - mainland and Sicily, Latvia, ntenstein, Lithuania, Luxembourg, erlands, Norway, Poland, Portugal, ania, San Marino, Slovakia, Slovenia, n - mainland, Sweden, Switzerland, United dom (UK) - Great Britain mainland, Vatican	
	City State.		
Geographic Bounding Box	West-bound longitude	-9.56	
	North-bound latitude	71.21	
	East-bound longitude	31.59	
	South-bound latitude	35.95	

ISO Geodetic Registry

Item class VerticalCS

Name Vertical CS. Axis: height (H). Orientation: up.

UoM: m.

Item statusVALIDIdentifier42

Information source Title ISO 19111 Geographical information - Spatial

referencing by coordinates

Author International Organization for Standardization

(ISO)

Publisher International Organization for Standardization

(ISO)

Publication date 2007-07-01

Edition Second Edition

Series/Journal name International Standard

Issue identification ISO 19111:2007

Data source ISO Geodetic Registry

Remarks Used in vertical coordinate reference systems.

Axes

Item class CoordinateSystemAxis

Name Gravity-related height

Item statusVALIDIdentifier35

Information source Title ISO 19111 Geographical information - Spatial

referencing by coordinates

Author International Organization for Standardization

(150)

Publisher International Organization for Standardization

(ISO)

Publication date 2007-07-01

Edition Second Edition

Series/Journal name International Standard

Issue identification ISO 19111:2007

Data source ISO Geodetic Registry

Remarks Used in a 1D vertical coordinate system.

Abbreviation H
Direction up
Unit metre