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 - Andorra, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France - mainland, Germany, Gibraltar, Hungary, Italy - mainland and Sicily, Latvia, Liechtenstein, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, San Marino, Slovakia, Slovenia, Spain - mainland, Sweden, Switzerland, United Kingdom (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	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	**Europe - onshore - Andorra, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France - mainland, Germany, Gibraltar, Hungary, Italy - mainland and Sicily, Latvia, Liechtenstein, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, San Marino, Slovakia, Slovenia, Spain - mainland, Sweden, Switzerland, United Kingdom (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 status	VALID	
Identifier	42	
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 status	VALID	
Identifier	35	
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 a 1D vertical coordinate system.	
Abbreviation	H	
Direction	up	
Unit	metre	