ISO Geodetic Registry

Item class	VerticalCRS	
Name	**KSA-VRF14 - OHt**	
Item status	VALID	
Identifier	780	
Alias	Kingdom of Saudi Arabia Vertical Reference Frame Jeddah 2014	
Information source	*Title*	Technical Summary for Saudi Arabia National Spatial Reference System (SANSRS).
	Author	General Directorate of Geodesy
	Publisher	General Directorate of Geodesy, General Authority for Survey and Geospatial Information, Kingdom of Saudi Arabia
	Publication date	2019-06
	Revision date	2021-02
	Other citation details	https://www.gasgi.gov.sa/En/Products/Products_v1/Geodesy/Documents/Technical_Summary_for_SANSRS_v1.1.pdf (accessed 2021-06-07)
Data source	ISO Geodetic Registry	
Remarks	Orthometric height	
Scope	Spatial referencing.	
Datum	Kingdom of Saudi Arabia Vertical Reference Frame Jeddah 2014	
Coordinate System	Vertical CS. Axis: height (H). Orientation: up. UoM: ftUS.	

Extent

Description	**Saudi Arabia - onshore.**	
Geographic Bounding Box	*West-bound longitude*	34.51
	North-bound latitude	32.16
	East-bound longitude	55.67
	South-bound latitude	16.37

ISO Geodetic Registry

Item class	VerticalDatum	
Name	**Kingdom of Saudi Arabia Vertical Reference Frame Jeddah 2014**	
Item status	VALID	
Identifier	776	
Alias	KSA-VRF14	
Information source	*Title*	Technical Summary for Saudi Arabia National Spatial Reference System (SANSRS).
	Author	General Directorate of Geodesy
	Publisher	General Directorate of Geodesy, General Authority for Survey and Geospatial Information, Kingdom of Saudi Arabia
	Publication date	2019-06
	Revision date	2021-02
	Other citation details	https://www.gasgi.gov.sa/En/Products/Products_v1/Geodesy/Documents/Technical_Summary_for_SANSRS_v1.1.pdf (accessed 2021-06-07)
Data source	ISO Geodetic Registry	
Remarks	Helmert-orthometric heights realized by the National Vertical Network (NVN). KSA-VRF14 replaces all previous vertical datums including KSA-JED69, KSA-SVD71 and KSA-SVD78.	
Anchor definition	Mean sea level at Jeddah tide gauge represented by an orthometric height of 1.7446 m at bench mark TGBM-B in a tide free system at epoch 2014.75.	
Release date	2014-10	
Coordinate Reference Epoch	2014.75	
Scope	Spatial referencing	

Extent

Description	**Saudi Arabia - onshore.**	
Geographic Bounding Box	*West-bound longitude*	34.51
	North-bound latitude	32.16
	East-bound longitude	55.67
	South-bound latitude	16.37

ISO Geodetic Registry

Item class	VerticalCS	
Name	**Vertical CS. Axis: height (H). Orientation: up. UoM: ftUS.**	
Item status	VALID	
Identifier	41	
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
Information source	*Title*	Refinement of values for the yard and the pound
	Author	A.V. Astin, H.A. Karo
	Publisher	US National Bureau of Standards
	Publication date	1959-07-01
	Edition date	
	Series/Journal name	Federal Register Notice
	Issue identification	Volume 24, Number 128, Document 59-5442
	Page	5348.0
Data source	ISO Geodetic Registry	
Remarks	Used in vertical coordinate reference systems.	

Axes

Item class	CoordinateSystemAxis	
Name	**Gravity-related height**	
Item status	VALID	
Identifier	32	
Information source	*Title*	Refinement of values for the yard and the pound
	Author	A.V. Astin, H.A. Karo
	Publisher	US National Bureau of Standards
	Publication date	1959-07-01
	Edition date	
	Series/Journal name	Federal Register Notice
	Issue identification	Volume 24, Number 128, Document 59-5442
	Page	5348.0
Data source	ISO Geodetic Registry	
Remarks	Used in a 1D vertical coordinate system.	
Abbreviation	H	
Direction	up	
Unit	US survey foot	