

# ISO Geodetic Registry

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

## Extent

<i>Description</i>	<b>Saudi Arabia - onshore.</b>	
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	34.51
	<i>North-bound latitude</i>	32.16
	<i>East-bound longitude</i>	55.67
	<i>South-bound latitude</i>	16.37

# ISO Geodetic Registry

<i>Item class</i>	VerticalDatum	
<i>Name</i>	<b>Kingdom of Saudi Arabia Vertical Reference Frame Jeddah 2014</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	776	
<i>Alias</i>	KSA-VRF14	
<i>Information source</i>	<i>Title</i>	Technical Summary for Saudi Arabia National Spatial Reference System (SANSRS).
	<i>Author</i>	General Directorate of Geodesy
	<i>Publisher</i>	General Directorate of Geodesy, General Authority for Survey and Geospatial Information, Kingdom of Saudi Arabia
	<i>Publication date</i>	2019-06
	<i>Revision date</i>	2021-02
	<i>Other citation details</i>	<a href="https://www.gasgi.gov.sa/En/Products/Products_v1/Geodesy/Documents/Technical_Summary_for_SANSRS_v1.1.pdf">https://www.gasgi.gov.sa/En/Products/Products_v1/Geodesy/Documents/Technical_Summary_for_SANSRS_v1.1.pdf</a> (accessed 2021-06-07)
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	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.	
<i>Anchor definition</i>	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.	
<i>Release date</i>	2014-10	
<i>Coordinate Reference Epoch</i>	2014.75	
<i>Scope</i>	Spatial referencing	

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<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	34.51
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	<i>South-bound latitude</i>	16.37

# ISO Geodetic Registry

<i>Item class</i>	VerticalCS	
<i>Name</i>	<b>Vertical CS. Axis: height (H). Orientation: up. UoM: ftUS.</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	41	
<i>Information source</i>	<i>Title</i>	ISO 19111 Geographical information - Spatial referencing by coordinates
	<i>Author</i>	International Organization for Standardization (ISO)
	<i>Publisher</i>	International Organization for Standardization (ISO)
	<i>Publication date</i>	2007-07-01
	<i>Edition</i>	Second Edition
	<i>Series/Journal name</i>	International Standard
	<i>Issue identification</i>	ISO 19111:2007
	<i>Title</i>	Refinement of values for the yard and the pound
	<i>Author</i>	A.V. Astin, H.A. Karo
	<i>Publisher</i>	US National Bureau of Standards
<i>Information source</i>	<i>Publication date</i>	1959-07-01
	<i>Edition date</i>	
	<i>Series/Journal name</i>	Federal Register Notice
	<i>Issue identification</i>	Volume 24, Number 128, Document 59-5442
	<i>Page</i>	5348.0
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Used in vertical coordinate reference systems.	

## Axes

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