

# 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  |   |

## 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 |