

# ISO Geodetic Registry

<i>Item class</i>	OperationMethod
<i>Name</i>	<b>EVRF2019 zero-tide normal height to mean-tide normal height</b>
<i>Item status</i>	VALID
<i>Identifier</i>	762
<i>Data source</i>	ISO Geodetic Registry
<i>Remarks</i>	The transformation formula applies to normal heights. A constant offset of -0.08593 m was added to the transformation of zero-tide normal height to mean-tide normal height in order to maintain a zero normal height at the EVRF2000 origin in Amsterdam.
<i>Formula</i>	$\text{EVRF2019mean} = \text{EVRF2019} + 0.29541 \cdot \sin^2(\text{lat}) + 0.00042 \cdot \sin^4(\text{lat}) - 0.0994 - 0.08593 \text{ [m]}$