

THE FOLLOWING IS FOR INFORMATION ONLY:

We have been studying the gravity zones in Iceland in connection with article 3.3 Gravity zones in WELMEC 2, Issue 3 from October 2000.

We are in the good position to have very accurate values for the gravity all over the country in a report from Orkustofnun (The National Energy Authority).

Reference:

Gunnar Þorbergsson, Ingvar Þór Magnússon, Guðmundur Pálmason 1990: Þyngdarmæligögn og Þyngdarkort af Íslandi. Orkustofnun, OS-90001/JHD-01.

The report describes a survey of the local with anomalies that was carried out in Iceland in the period 1967-1985 in order to produce an improved gravity map of the country. The work was the result of a very close collaboration between the U.S. Defence Mapping Agency, Washington DC and Orkustofnun and Sjósmælingar Íslands í Reykjavík.

We choose to express the gravity zones according to article 3.3.2.5 as follows:

The reference value for Iceland: $g_{is} = 9,82308 \text{ m/s}^2$

All gravity values for the country* lie inside the deviation limits $\Delta g_{is} = 0,00112 \text{ m/s}^2$

*No habitation is over $h = 100 \text{ m}$.

Iceland is one gravity zone for non automatic weighing instruments (NAWIs) of class III with 3000 division or less and the above mentioned reference value $g_{is} = 9,82308 \text{ m/s}^2$.