

Translation. Only the Danish version has legal validity.

*Order no. 845 of 1 December 1998
issued by the Danish Maritime Authority*

Order on the tonnage measurement of small ships

In pursuance of section 2(5) of the act on the tonnage measurement of ships (*lov om skibsmåling*), cf. consolidated act no. 43 of 2 February 1993, and by authority granted by order no. 694 of 17 August 1995, the following is laid down:

Scope of application

Section 1. This order shall apply to ships the keel of which is laid or which are at a similar stage of construction on or after 18 July 1982, and the length of which, as defined in the International Convention on Tonnage Measurement of Ships, 1969, is below 24 metres.

Subsection 2. This order shall not apply to fishing vessels.

Section 2. Ships covered by this order and which are to be registered on the Danish Register of Shipping, the Danish International Register of Shipping or the Danish Boat Register shall be measured in accordance with the provisions stipulated in sections 8-10. The measurement shall be carried out by classification societies, other companies or individual persons which have been authorised to do so by the Danish Maritime Authority.

Section 3. Ships covered by this order, but which are not to be registered on the Danish Register of Shipping or the Danish Boat Register may be measured upon the owner's request.

Subsection 2. The measurement of the ships mentioned in subsection 1 shall be carried out in accordance with the provisions stipulated in sections 8-11 by classification societies, other companies or individual persons which have been authorised to do so by the Danish Maritime Authority.

Section 4. On the basis of the measurement, a tonnage certificate shall be issued on a form approved by the Danish Maritime Authority.

Section 5. The classification societies, other companies or individual persons which have been authorised by the Danish Maritime Authority to carry out measurements and issue tonnage certificates shall be authorised to require payment for their measurement services.

Section 6. Amendments or additions to the tonnage certificate shall be made only by the Danish Maritime Authority or by a person or institution authorised by the Danish Maritime Authority.

Section 7. The tonnage certificate shall be carried on board and presented to the relevant authorities upon request.

Performance of measurements

Section 8. Definitions.

The expressions used in sections 9-10 shall mean:

V = Displacement in cubic metres to the outside of the shell plating to a waterline parallel to the designed waterline which touches the lowest point of the deck's upper side in the side.

L₁ = The length measured from the front of the shell plating's intersection with the deck's upper side at the stem to the after side of the shell plating's intersection with the deck at the stern frame.

On open vessels, the length shall be measured at the upper side of the gunwale.

B = Largest width on the outside of the shell plating at the deck's upper side or below.

D = Depth measured at half length from the upper side of the deck in the side to the outside of the shell plating at the keel. On open vessels, the depth shall be measured from the upper side of the gunwale to the outside of the shell plating at the keel.

$$K = 0.2 + 0.02 \log_{10} V$$

(or as stipulated in the table below).

V	K
10	0.2200
20	0.2260
30	0.2295
40	0.2320
50	0.2340
60	0.2356
70	0.2369
80	0.2381
90	0.2391
100	0.2400
200	0.2460
300	0.2495
400	0.2520
500	0.2540

The coefficient K for intermediate values of V shall be reached through linear interpolation.

Section 9. Ships the length L₁ of which is of or above 15 metres shall be measured in accordance with the provisions stipulated in the International Convention on Tonnage Measurement of Ships, 1969.

Section 10. For ships the length L₁ of which is below 15 metres, the gross tonnage (GT) shall be determined as follows:

$$GT = V \times K.$$

Where V has not been measured and calculated, the size may be fixed according to the following formula:

$$V = L_1 \times B \times D \times 0.65.$$

Subsection 2. When the gross tonnage has been determined in accordance with subsection 1, a net tonnage (NT) shall be determined as follows:

NT = GT x 0.3.

Section 11. All measurements used to calculate the cubic content shall be given with the closest centimetre. Cubic content shall be calculated in cubic metres with 2 decimals. On tonnage certificates, tonnage figures shall be given with 1 decimal.

Entry into force, etc.

Section 12. This order shall enter into force on 1 January 1999.

Subsection 2. Order no. 620 of 10 July 1992 on the tonnage measurement of small ships shall be repealed.

Subsection 3. This order shall not apply to Greenland.

Section 13. Tonnage certificates issued in accordance with the provisions in force until now shall be valid unless the ship is subjected to re-buildings or alterations that cause considerable changes to the ship's gross tonnage or is re-measured at the owner's request.

Danish Maritime Authority, 1 December 1998

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