

**Translation: Only the Danish version is authentic**

*The Danish Maritime Authority's Technical Regulation no. 5 of 1 September 1988*

**Technical regulation on auxiliary sails on engine-driven ships**

In pursuance of section 2(5), section 11(2) and section 28 of Act no. 98 of 12 March 1980 on Ship Safety, etc., as amended, cf. consolidated act no. 299 of 9 June 1988, the following provisions are laid down:

By now, auxiliary sails are used on board several coasters as a fuel-saving measure.

In this connection, the Danish Maritime Authority would like to state that when auxiliary sails are used the following should be observed:

- 1) On board classed ships, it shall be possible to document to the Danish Maritime Authority that the classification society in question has approved the arrangement.
- 2) On board unclassified ships, drawings of the arrangement shall be submitted to the Danish Maritime Authority for approval with calculations to demonstrate that the normal strength standards for the mast and the rigging have been observed, including the running rigging.
- 3) It shall be proven by submitting calculations to the Danish Maritime Authority that the ship, when carrying sails, comply with the stability provisions in force. As the basis of the calculations, it is presupposed that the wind pressure corresponds to 11 kg/m<sup>2</sup> area of sail measured as a vertical projection.
- 4) When the auxiliary sails are carried, it shall be ensured that the necessary view is provided from the wheelhouse.
- 5) When the auxiliary sails are carried, it shall be ensured that the requirements stipulated in the international regulations for preventing collisions at sea on the visibility of navigation lights and shapes have been complied with.
- 6) The necessary measures shall be taken to prevent the risk of accidents in connection with the rigging, stripping and operation of the sails.

Contraventions of this technical regulation shall be liable to punishment by fine or simple detention.

This technical regulation shall enter into force on 15 September 1988.

The Danish Maritime Authority, 1 September 1988  
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