

## APPENDIX 5

### GUIDELINES ON APPROVAL OF WEATHERTIGHT DOORS OR SIMILAR CLOSING APPLIANCES TO THE OPENINGS LEADING TO SPACES BELOW THE BULKHEAD DECK OR SUBDIVIDING THE RO-RO CARGO SPACE

(Implementation of SOLAS II-1/20-2 reg. and the Stockholm Agreement)

The following requirements are to be complied with:

- a) the doors or similar closing appliances shall be able to resist a pressure of 0.35 bar (3.5 metres head of fresh water measured from the lower edge of the door);
- b) they shall be able to resist the pressure from each side or only from one side depending on which spaces related to the position of the door or the appliance are assumed flooded;
- c) the casing and the frame on which the door or closing appliance is fitted shall be of equal strength to that of door or appliance;
- d) the pressure test shall be performed on a full scale mock-up and the pressure shall be maintained for at least 10 minutes;
- e) a limited seepage of water, say, of not more than 1 litre/minute will be permitted at the above mentioned pressure or lower;
- f) after removal of the pressure there shall not be any permanent deformation of the door or appliance;
- g) if the door or appliance is an approved fire resistant and if alterations to the construction of the door or appliance are made which are deemed to reduce their fire rating they shall be required to be retested according to IMO Res.A.754(18);
- h) the pressure test shall be witnessed and approved by a surveyor of the flag state Administration or the Administration, which is a co-signatory member of the Agreement or a Classification Society authorised by the flag state Administration.

The above Guidelines are agreed upon by the Administrations of Finland, the United Kingdom, Sweden, Germany, Norway and Denmark.

## Guidelines on the implementation of SOLAS II-1 and the Stockholm Agreement

### 1. Weathertight Doors Leading to Spaces Below The Bulkhead Deck

Requirements as per the guidelines agreed upon by the Administrations of Finland, the United Kingdom, Sweden, Germany, Norway and Denmark.

### 2. Bulkheads Associated With Doors As Per Paragraph 1

Requirements as per the above guidelines noting that acceptance is by calculation allowing deformation but not failure.

### 3. Bulkhead Deck Cargo Space Internal Subdivision (Stockholm Agreement)

This covers doors and bulkheads fitted for containment of water on deck.

As per paragraph 1 above but in full compliance with strength requirements for watertight bulkheads. Closing appliances to be high pressure hose tested and are to demonstrate minimal leakage.

### 4. Ramps and Hatches leading to Spaces below the Bulkhead Deck

All closing appliances are to be high pressure hose tested and are to demonstrate minimal leakage.

### 5. Trunks Passing through Bulkhead Deck

To be calculated to watertight bulkhead scantlings ignoring minimum thickness requirements

6. The above guidelines are in addition to those agreed in February 1997 and were adopted by the Administrations of [ ] at a meeting 19 August 1997 held in Sweden.