

No. 7833

**UNITED KINGDOM OF GREAT BRITAIN
AND NORTHERN IRELAND
and
DENMARK**

**Exchange of notes (with annex) constituting an agreement
on the application of uniform testing rules for the
structural fire protection of ships to comply with the
requirements of the International Convention for the
Safety of Life at Sea, 1960. London, 30 June 1964**

Official text of notes: English.

Official texts of annex: English and Danish.

*Registered by the United Kingdom of Great Britain and Northern Ireland on
18 June 1965.*

**ROYAUME-UNI DE GRANDE-BRETAGNE
ET D'IRLANDE DU NORD
et
DANEMARK**

**Échange de notes (avec annexe) constituant un accord rela-
tif à l'application de règles uniformes d'essai pour la
protection contre l'incendie des structures de navires,
en vue de remplir les conditions requises par la Con-
vention internationale pour la sauvegarde de la vie
humaine en mer de 1960. Londres, 30 juin 1964**

Texte officiel des notes: anglais.

Textes officiels de l'annexe: anglais et danois.

*Enregistré par le Royaume-Uni de Grande-Bretagne et d'Irlande du Nord le
18 juin 1965.*

No. 7833. EXCHANGE OF NOTES CONSTITUTING AN AGREEMENT¹ BETWEEN THE GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND AND THE GOVERNMENT OF THE KINGDOM OF DENMARK ON THE APPLICATION OF UNIFORM TESTING RULES FOR THE STRUCTURAL FIRE PROTECTION OF SHIPS TO COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL CONVENTION FOR THE SAFETY OF LIFE AT SEA, 1960.² LONDON, 30 JUNE 1964

I

The Danish Ambassador at London to the Secretary of State for Foreign Affairs

ROYAL DANISH EMBASSY

London, 30th June, 1964

Sir,

1. I have the honour to refer to the recent negotiations between representatives of the Government of the Kingdom of Denmark and the Government of the United Kingdom of Great Britain and Northern Ireland regarding the question of applying uniform testing rules in order to ensure that constructions and materials for use in connection with structural fire protection of ships when tested at a testing laboratory, recognised by the Government in the other Country, comply with the requirements laid down in the International Convention for the Safety of Life at Sea, open for signature at London on the 17th June, 1960.²

2. I now have to propose on behalf of the Danish Government that an agreement on this subject be concluded in the following terms :

- (a) When constructions and materials for use in connection with structural fire protection of ships have been tested according to the rules laid down in the attached Annex, the results stated in the fire test report shall be accepted by the Administration of the other Contracting Government without further test as a basis for the issuing of a certificate of approval for these constructions and materials. For the purposes of this Agreement it is understood that the term Administration means in the case of the Danish Government the Handelsministeriet and in the case of the Government of the United Kingdom the Ministry of Transport.

¹ Came into force on 30 June 1964 by the exchange of the said notes.

² United Nations, *Treaty Series*, Vol. 536, p. No. 7794.

- (b) Approval can only be granted if the fire test has been attended and reported upon by a representative of the Administration of the Country in which the test is carried out.
- (c) The Administrations shall regularly verify that the approved types of constructions or materials still attain the approved standards and will exchange information on the general form of control.
- (d) Information concerning approvals shall be exchanged between the Contracting Governments.
- (e) Alterations and additions to the rules laid down in the above mentioned Annex may take place when agreed upon by both Contracting Governments.

3. If the foregoing proposals are acceptable to the Government of the Kingdom of Denmark and the Government of the United Kingdom of Great Britain and Northern Ireland I have the honour to suggest that this Note together with the Annex and your reply in that sense shall constitute an Agreement between the two Governments in this matter, which shall enter into force on this day's date.

I have, etc.

E. KRISTIANSEN

II

The Secretary of State for Foreign Affairs to the Danish Ambassador at London

FOREIGN OFFICE

S.W. 1

June 30, 1964

Your Excellency,

I have the honour to acknowledge the receipt of Your Excellency's Note of the 30th of June, 1964, which reads as follows :

[See note I]

In reply, I have the honour to state that the foregoing proposals are acceptable to the Government of the United Kingdom of Great Britain and Northern Ireland, who therefore agree that Your Excellency's Note with its Annex and the present reply shall constitute an Agreement between the two Governments which shall enter into force on this day's date.

I have, etc.

For the Secretary of State :

Denys BROWN

N° 7833

A N N E X

RULES CONCERNING TESTING AND APPROVAL OF ERECTIONS AND MATERIALS FOR USE IN CONNECTION WITH CONSTRUCTIONAL FIRE PROTECTION OF SHIPS

FOREWORD

The International Conference on Safety of Life at Sea, London 1960,¹ recommended that Contracting Governments should provide IMCO with copies of any document setting out the test procedures they employ regarding, *inter alia*, "A" and "B" Class bulkheads with a view to achieving greater uniformity of practice in these matters.

In 1961, the Danish Testing Laboratory in co-operation with the Danish Ships Inspection Service drafted such rules taking into account the provisions laid down in Regulation 35 (b) of Chapter II of the International Convention for the Safety of Life at Sea, 1960, which specifies the dimensions of specimens of bulkheads or decks which are to be tested in a test furnace.

The Danish Testing Laboratory thereafter held consultations with the testing laboratories in the Netherlands, Norway, Sweden and the United Kingdom with a view to formulating uniform rules which could form the basis of mutual acceptance in these countries of test certificates for the materials and constructions in question.

The Shipping Administrations of the said countries and Finland thereupon decided that the draft should be discussed at a meeting of experts. An expert meeting on the subject was held in Copenhagen 3-4 September, 1962, followed by a further meeting in The Hague 17-19 April, 1963, during which the participants agreed on rules for Testing, Test Reports and Conditions for Approval.

TABLE OF CONTENTS

	<i>Page</i>
A. Testing	
(1) General	206
(2) Nature, Size, and Erection of Test Specimens	208
(3) Methods of Testing	212
(4) Required Results of Testing	216
B. Test Reports	218
C. Conditions for Approval	218

A. TESTING

(1) *General*

Under the provisions of the International Convention for the Safety of Life at Sea, London 1960, construction and materials for use in passenger ships as "A" Class

¹ United Nations, *Treaty Series*, Vol. 536, No. 7794.

bulkheads, "A"-doors, "B" Class bulkheads, "B"-doors shall have an insulating value to the satisfaction of and be approved by the Administration. Constructions and materials for use in cargo ships of 4000 gross tons and upwards as "B" Class bulkheads and "B"-doors shall be similarly approved.

Such approvals will be based upon reports from a Testing Laboratory, recognised by the Administration, of test results obtained at tests carried out with the construction and material in question, and therefore the manufacturer or agent must, if required, submit test specimens and information to the Testing Laboratory as laid down in (2) below. In all cases the manufacturer or agent should consult the Administration and the Testing Laboratory regarding details of construction and erection of test specimen, etc. This should be strictly in accordance with the practice to be used in ship-building procedure.

(2) *Nature, Size, and Erection of Test Specimens*

2.1. *Insulated "A" Class bulkhead*

2.1.1. Supporting material :

Steel or other equivalent material.

2.1.2. Dimensions of test specimen :

According to attached drawing No. I.¹

Thickness	Steel : 4.5 mm
	Aluminium : 6.0 mm

Vertical stiffeners spaced

at 600 mm intervals	Steel : 65 × 65 × 6 mm
	Aluminium : 75 × 75 × 9.5 mm

2.1.3. Insulating material :

The information below must be submitted :

Identification mark.

Specific weight at ambient temperature.

Specific heat at ambient temperature.

Heat conductivity at ambient temperature.

Principal details of composition.

2.1.4. Drawings :

A drawing of the test specimen giving measurements and the following details :

Insulation in way of stiffeners.

Means of fastening the insulation to the bulkhead and materials used for this purpose.

2.2. *"A"-doors and frames*

2.2.1. Materials :

Supporting material :

Steel or other equivalent material.

2.2.2. Erection of specimen :

Doors and frames must always be tested together.

¹ See p. 220 of this volume.