INTERNATIONAL STANDARD ISO 3827/III

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Shipbuilding — Co-ordination of dimensions in ships' accommodation — Part III : Co-ordinating sizes for components and assemblies

Construction navale — Coordination dimensionnelle pour l'ameublement des navires — Partie III : Dimensions de coordination des composants et ensembles

First edition — 1977-02-01

UDC 629.12 : 389.63 **Ref. No. ISO 3827/III-1977 (E)**

Descriptors : shipbuilding, ships, appointments, furnishing, prefabrication, dimensional co-ordination, modular structures, dimensions.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3827/III was developed by Technical Committee ISO/TC 8, *Shipbuilding*, and was circulated to the member bodies in June 1975.

It has been approved by the member bodies of the following countries :

Austria	Israel	South Africa, Rep. of
Belgium	Italy	Spain
Brazil	Japan	Sweden
Czechoslovakia	Netherlands	Turkey
Finland	Norway	United Kingdom
Germany	Poland	Yugoslavia
Ireland	Romania	

The member body of the following country expressed disapproval of the document on technical grounds :

France

Printed in Switzerland

Shipbuilding — Co-ordination of dimensions in ships' accommodation — Part III : Co-ordinating sizes for components and assemblies

0 INTRODUCTION

This part of ISO 3827 is a companion work to the following :

Part I : Principles of dimensional co-ordination;

Part II : Glossary of terms;

Part IV : Controlling dimensions.

In order to achieve the co-ordination of dimensions it is necessary first to reduce the number of possible sizes that are to be used, i.e. a selection of sizes must be made. The method adopted here is to select one or more units of size or modules, and using the multiples of these to obtain preferred sizes for components and assemblies. This corresponds with similar work achieved within ISO/TC 59, *Building construction.*

From this selection, ranges of sizes will be established for particular components and published in subsequent series of International Standards having regard to the function of the components, the materials and methods of manufacture used and other components to which they will be related within the ship.

The tolerances on the size and form of the component and on their assembly in the ship also need to be determined and this will be the subject of a further International Standard.

1 SCOPE AND FIELD OF APPLICATION

This International Standard makes recommendations for the derivation of the sizes for the co-ordinating dimensions of components and assemblies for use in fitting out ships, with particular reference to ships' deck houses and accommodation.

2 DEFINITIONS

For the purpose of this International Standard the definitions given in ISO 3827/II are applicable.

3 CO-ORDINATING SIZES

3.1 The first selection of sizes for the co-ordinating dimensions of components and assemblies should be in multiples of the standard modules as follows, in descending order of preference :

$n \times 300$ mm

$n \times 100$ mm

$n \times 50$ mm

(where n is any natural number including unity.)

3.2 The sizes for the co-ordinating dimensions should be chosen from the first selection after consideration of the relevant functional requirements. The preferred sizes should, as far as possible, apply to each type of component irrespective of the materials used. Account should be taken of the need for different types of components or assemblies to occupy spaces of the same size. Where a number of components are used to build up an assembly, the overall size for the assembly should be a co-ordinating size.

3.3 The work sizes of components and assemblies should be determined taking account of space for joints and allowance for tolerances in accordance with ISO . . .[1)]

1) To be based on work at present being conducted within ISO/TC 59, *Building construction.*