ISO 16707:2016-10 (E)

Ships and marine technology - Marine evacuation systems - Determination of capacity

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Test arrangement 2
4.1 Test rig 2
4.2 Position of the test rig 2
4.3 Installation height of MES 2
4.4 MES/ship interface 3
4.5 Associated survival craft 3
4.6 Access to embarkation area 3

5 Test persons 3
5.1 Number of test persons 3
5.2 Selection of test persons 3

6 Test procedure 4

7 Test timing 4
7.1 Timekeepers 4
7.2 Sequences to be timed 5

8 Capacity calculation 6
8.1 Principle 6
8.2 Formulae and abbreviations 6
8.3 Calculation of average descent time 6
8.4 Calculation of survival craft handling time and boarding time 7
8.5 Calculation of congestion time 7
8.6 Calculation of MES capacity 8
8.7 Calculation adjustment for increased/reduced height of passage (see 4.3) 8

Annex A (informative) Capacity calculation examples 9

Annex B (informative) Test forms 17