ISO 21455:2020-04 (E)

Mobile elevating work platforms - Operator's contro ls - Actuation, displacement, location and method of operation

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Control actuating forces and torques ... **2**

5 Control locations ... **5**
5.1 General ... 5
5.2 Work platform controls ... 5
5.3 Base or ground level controls ... 6
5.4 Minimum separation distance ... 6
5.5 Dividers or shrouds ... 10

6 Sizing of controls ... **10**

7 Movement of controls ... **13**
7.1 General ... 13
7.2 Multi-functional joystick controls ... 13
7.2.1 Combined movements ... 13
7.2.2 Additional controls located on a multi-functional control ... 14
7.3 Multi-purpose controls ... 14
7.4 Mode selection for multi-purpose controls ... 14
7.5 Activation and operation ... 15
7.5.1 General ... 15
7.5.2 Control orientation and operation — Work platform controls ... 15
7.5.3 Operational characteristics for lever-operated stacked or banked controls located at the work platform ... 16
7.5.4 Work platform control orientation zones for raising and lowering of the extending structure ... 16
7.5.5 Work platform control orientation zones for travelling ... 17
7.6 Function enable controls ... 19

8 Layout of controls ... **20**
8.1 General ... 20
8.2 Control panel construction ... 20
8.3 Grouping of controls ... 20
8.4 Control groups for Group A MEWPs ... 20
8.5 Control groups for Group B MEWPs ... 21
8.6 MEWPs with independent left-hand and right-hand travel controls ... 21

9 Marking of controls ... **21**
9.1 General ... 21
9.2 Marking of controls using text ... 21
9.3 Marking of controls using symbols ... 22

Bibliography ... **23**