DIN EN ISO 9241-143:2012-06 (E)

Ergonomics of human-system interaction - Part 143: Forms (ISO 9241-143:2012)

Contents

Page

Foreword 4

Introduction 5

1 Scope 7

2 Normative references 7

3 Terms and definitions 8

4 Forms 12
4.1 Selection 12
4.2 General requirements and recommendations 12

5 Information presentation 15
5.1 General 15
5.2 Layout 15
5.3 Names and labels 16
5.4 Visual cues in fields and forms elements 19

6 Interaction 21
6.1 Navigation 21
6.2 Navigation by tab keys and scrolling 22
6.3 Input focus and cursors 23
6.4 Input 27
6.5 User control 28
6.6 Feedback 30
6.7 Access to forms and dialogue boxes 31
6.8 Default values 33
6.9 Default actions for forms elements 34

7 Validation 36
7.1 Single-field validation 36
7.2 Multiple-field validation 36

8 Choice of form elements 36
8.1 Accessibility of form elements 36
8.2 Choice considerations 36
8.3 Push buttons 37
8.4 Toggle buttons 37
8.5 Text entry fields 37
8.6 Radio buttons 38
8.7 Check boxes 38
8.8 Stepper buttons 39
8.9 Single-selection list boxes 40
8.10 Multiple-selection list boxes 40
8.11 Pop-up/drop-down list 41
8.12 Combination boxes 42
8.13 Single-selection hierarchical lists 43
8.14 Multiple-selection hierarchical lists 44
8.15 Analogue form elements (slider, rotary dials and equivalents) 44
8.16 Tabbed form elements 45

9 Form element design 45
9.1 Alphanumeric text entry 45
9.2 Choice 47
9.3 List-based elements for choice 48
9.4 Tabs 52
9.5 Scroll bars 54
9.6 Push buttons and tool palettes 56

10 Conformance 58

Annex A (informative) Overview of the ISO 9241 series 59

Annex B (informative) Checklist for applying this part of ISO 9241 60

Bibliography 100