ISO/IEC 10779:2020-05 (E)

Information technology - Office equipment - Accessibility guidelines for older persons and persons with disabilities

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Basic policies 3

5 Classification of disabilities 4
5.1 Classification and characteristics of disabilities 4
5.1.1 General rules 4
5.1.2 Blindness 4
5.1.3 Low vision 4
5.1.4 Colour blindness 4
5.1.5 Deafness 4
5.1.6 Hearing impairment 4
5.1.7 Speech impairment 5
5.1.8 Impairment that limits upper limb strength and action 5
5.1.9 Impairment that limits reach ranges 5
5.1.10 Photosensitive seizure 5
5.1.11 Cognitive, language, or learning disorders 5

6 Requirements to be considered 6
6.1 General 6
6.2 Closed functionality 6
6.2.1 General 6
6.2.2 Speech-output enabled 6
6.2.3 Volume 7
6.2.4 Characters on display screens 7
6.3 Biometrics 8
6.4 Preservation of information provided for accessibility 8
6.5 Privacy 8
6.5.1 General 8
6.5.2 Masked entry 8
6.5.3 Private access to personal data 9
6.6 Standard connections 9
6.7 Operable parts 9
6.7.1 General 9
6.7.2 Contrast 9
6.7.3 Input controls 9
6.7.4 Key repeat 10
6.7.5 Double-strike key 10
6.7.6 Timed response 10
6.7.7 Simultaneous user actions 10
6.7.8 Physical operation 11
6.7.9 Fare cards and key cards 11
6.7.10 Reach height and depth 11

6.8 Visibility of display screens 15
6.9 Flashing 15
6.10 Status indicators 15
6.11 Colour coding 15
6.12 Audible signals 15
6.13 Software requirements for closed functionality 15
6.13.1 General 15
6.13.2 Sensory characteristics 15

6.13.3 Audio control 15
6.13.4 Text contrast 16
6.13.5 Non-text contrast 16
6.13.6 No-key trap 16
6.13.7 Pause, stop, hide 16
6.13.8 Focus order 16
6.13.9 Focus visible 16
6.13.10 Pointer gestures 17
6.13.11 Label in name 17
6.13.12 On focus 17

7 Documentation and support services 17
7.1 Disclosure of information related to accessibility 17
7.2 Requirements for user documentation and support services 17

Annex A (informative) Relationship between disabilities and requirements 18

Bibliography 21