ISO/IEC 30071-1:2019 (E)

Information technology — Development of user interface accessibility — Part 1: Code of practice for creating accessible ICT products and services

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

3.1 Accessibility and related definitions
3.2 Users and systems related definitions
3.3 Definitions relating to developing accessibility

4 Conformity

5 Introduction to ICT accessibility within an organization

6 Responsibilities and documentation for embedding accessibility of ICT systems within an organization

6.1 Taking responsibility and setting policy
6.2 Contents of an organizational ICT accessibility policy
6.3 Organizational ICT accessibility goals
6.4 Accessibility considerations in the organization's ICT policies

7 Embedding ICT accessibility within the system development life cycle

7.1 Taking accessibility into account throughout ICT system development
7.2 Making justifiable decisions on accessibility
7.3 Assuring accessibility throughout the system life cycle
7.4 Creating accessibility logs and statements for each ICT system
7.5 Contents of an ICT system accessibility log
7.6 Contents of an ICT system accessibility statement

8 Activities in ICT system development or procurement

8.1 Performing and documenting accessibility activities
8.2 Activities
8.2.1 Activity 1: Specify widest range of potential users
8.2.2 Activity 2: Specify user goals and tasks
8.2.3 Activity 3: Specify user accessibility needs
8.2.4 Activity 4: Specify accessibility requirements
8.2.5 Activity 5: Specify accessibility design approach
8.2.6 Activity 6: Ensure accessibility requirements are met
8.2.7 Activity 7: Ensure communication about accessibility
8.2.8 Activity 8: Ensure integration of accessibility in system updates

Annex A (informative) Applying the accessibility goals of ISO/IEC Guide 71:2014

A.1 Suitability for the widest range of users
A.2 Conformity with user expectations
A.3 Support for individualization
A.4 Approachability
A.5 Perceivability
A.6 Understandability
A.7 Controllability
A.8 Usability

A.9 Error tolerance
A.10 Equitable use
A.11 Compatibility with other systems

Annex B (informative) Application of Clause 8

B.1 General
B.2 Further information on activities in subclause 8.2
B.2.1 Further information for Activity 1: Specify widest range of potential users
B.2.2 Further information for Activity 2: Specify user goals and tasks
B.2.3 Further information for Activity 3: Specify user accessibility needs
B.2.4 Further information for Activity 4: Specify accessibility requirements
B.2.5 Further information for Activity 5: Specify accessibility design approach
B.2.6 Further information for Activity 6: Ensure accessibility requirements are met
B.2.7 Further information for Activity 7: Ensure communication about accessibility
B.2.8 Further information for Activity 8: Ensure integration of accessibility in system updates

Annex C (informative) Sources of ICT accessibility guidelines

C.1 User accessibility needs
C.2 Accessibility guidance for software, content and hardware
C.3 Accessibility guidance for development tools
C.4 Accessibility guidance supporting diverse platforms and assistive technologies
C.5 Personalization guidelines for individualized ICT system adaptability
C.6 Accessibility guidelines for diverse systems and devices utilizing ICT

Annex D (informative) Accessibility testing methods

D.1 Manual conformity testing
D.2 Assistive technologies and platform accessibility settings testing
D.3 Cognitive walkthroughs
D.4 User testing with diverse users
D.5 Automated conformity testing

Annex E (informative) Drivers of accessibility

Annex F (informative) Checklists for ISO/IEC 30071-1

Page count: 50