

DIN EN 17161:2019-11 (En glisch)

Design for All - Accessibility following a Design for All approach in products, goods and services - Extending the range of users

| Contents | Page |
|--|------|
| European foreword | 5 |
| Introduction | 6 |
| 1 Scope | 9 |
| 2 Normative references | 9 |
| 3 Terms and definitions | 9 |
| 4 Context of the organization - Design for All approach | 12 |
| 4.1 Accessibility following a Design for All approach | 12 |
| 4.2 Understanding the organization and its context | 12 |
| 4.3 Understanding the needs and expectations of interested parties | 14 |
| 4.4 Determining the scope of the Design for All approach within the organization | 14 |
| 4.5 Integration with established process systems | 14 |
| 5 Leadership | 15 |
| 5.1 Leadership and commitment | 15 |
| 5.2 Policy | 16 |
| 5.3 Organisational roles, responsibilities and authorities | 17 |
| 6 Planning | 17 |
| 6.1 Actions to address risks and opportunities | 17 |
| 6.2 Design for All approach objectives and planning to achieve them | 18 |
| 6.3 Planning for changes | 18 |
| 7 Support | 19 |
| 7.1 Resources | 19 |
| 7.2 Competence | 19 |
| 7.3 Awareness | 20 |
| 7.4 Communication | 20 |
| 7.5 Documented information | 20 |
| 8 Operation | 21 |
| 8.1 Operation planning and control | 21 |
| 8.2 Design and development of products and services | 21 |
| 8.2.1 Planning to extend the range of users | 21 |
| 8.2.2 Identifying the intended users | 21 |
| 8.2.3 Requirements to extend the range of users | 22 |
| 8.2.4 Realization | 23 |
| 8.2.5 Evaluation | 24 |
| 8.3 User involvement | 24 |
| 8.4 End-to-end chain in relation to accessibility | 25 |
| 8.5 Control of and communication with external suppliers | 26 |
| 9 Performance evaluation | 26 |
| 9.1 Monitoring, measurement, analysis and evaluation | 26 |
| 9.1.1 General | 26 |
| 9.1.2 User feedback | 27 |
| 9.1.3 Analysis and evaluation | 27 |

| | | |
|--|---|----|
| 9.2 | Internal audit | 28 |
| 9.3 | Management | 28 |
| 10 | Improvement | 29 |
| Annex A (informative) Accessibility, Design for All approach and Human Rights | | 30 |
| A.1 | Introduction | 30 |
| A.2 | The core mind-set of the Design for All approach | 30 |
| A.3 | Human Rights and Design for All approach | 30 |
| A.4 | Sustainable development with a Design for All approach | 31 |
| A.5 | Access, understand and use | 31 |
| A.6 | Examples of Design for All approaches | 32 |
| Annex B (informative) User involvement | | 33 |
| B.1 | Introduction | 33 |
| B.2 | Benefits of involving users | 33 |
| B.3 | Identifying and understanding current and potential users | 33 |
| B.3.1 | Potential users | 33 |
| B.3.2 | Demographic statistics | 34 |
| B.4 | Planning and performing user involvement | 34 |
| B.4.1 | General | 34 |
| B.4.2 | Schedule for user involvement | 35 |
| B.4.3 | Arrangements | 35 |
| B.4.4 | User feedback and market surveys | 35 |
| B.4.5 | Ethics of user involvement | 36 |
| B.4.6 | End-to-end documentation | 36 |
| Annex C (informative) Design activities within projects | | 37 |
| C.1 | Introduction | 37 |
| C.2 | Activities and their inputs | 37 |
| C.3 | User input to activities | 39 |
| C.4 | Understand and identify the users and the context of use (8.2.2) | 40 |
| C.4.1 | Scoping | 40 |
| C.4.2 | The importance of users (8.3) | 40 |
| C.4.3 | User groups (8.2.2) | 40 |
| C.5 | Requirements specification (8.2.3) | 40 |
| C.6 | Produce solutions to meet the user requirements (8.2.4) | 41 |
| C.6.1 | High level approach | 41 |
| C.6.2 | Developing the solution | 41 |
| C.6.3 | Detailed design decisions | 42 |
| C.6.4 | Evaluation as design progress | 42 |
| C.6.5 | Iteration | 42 |
| C.7 | Evaluation (8.2.5) | 42 |
| C.7.1 | Evaluation from the earliest stages | 42 |
| C.7.2 | Focus on evaluation from the user's perspective | 42 |
| C.7.3 | Iteration and feedback | 42 |
| C.7.4 | Conformity assessment | 43 |
| Annex D (informative) List of requirements | | 44 |
| D.1 | Introduction | 44 |
| D.2 | List: requirements | 44 |
| D.3 | List: documented information | 49 |
| Annex E (informative) Non exhaustive list of standards and guidance relevant to 'Accessibility following a Design for All approach in products, goods and services' | | 51 |
| E.1 | Introduction | 51 |
| E.2 | Standards and guidance | 51 |
| Bibliography | | 52 |