

ISO 5127:2017-05 (E)

Information and documentation - Foundation and vocabulary

| Contents | | Page |
|--------------------|--|-------------|
| Foreword | | v |
| Introduction | | vi |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 3.1 | Basic and framework concepts | 1 |
| 3.1.1 | Basic concepts | 1 |
| 3.1.2 | Framework concepts | 11 |
| 3.1.3 | Evaluation and statistics | 15 |
| 3.1.4 | Signs, characters and symbols | 16 |
| 3.1.5 | Language and terminology | 19 |
| 3.1.6 | Writing systems and transcription | 27 |
| 3.1.7 | Types of relations | 30 |
| 3.1.8 | Communication and information | 33 |
| 3.1.9 | Digital communication | 37 |
| 3.1.10 | Types of data | 41 |
| 3.1.11 | Basic operations on data | 47 |
| 3.1.12 | Digital data processing | 51 |
| 3.1.13 | Data representation in databases | 57 |
| 3.2 | Basic concepts for information and documentation | 62 |
| 3.2.1 | General concepts | 62 |
| 3.2.2 | Study fields related to documentation | 69 |
| 3.2.3 | Institutions in documentation | 71 |
| 3.2.4 | Professions and functions in documentation | 77 |
| 3.2.5 | Numbering systems, identifiers, connectors | 79 |
| 3.3 | Objects, data media, documents | 84 |
| 3.3.1 | Object and document values | 84 |
| 3.3.2 | Objects and data media | 85 |
| 3.3.3 | Documents by medium | 90 |
| 3.3.4 | Processes in the intellectual production of documents | 95 |
| 3.3.5 | Physical production of documents | 98 |
| 3.4 | Documents | 105 |
| 3.4.1 | General concepts | 105 |
| 3.4.2 | Derived documents | 114 |
| 3.4.3 | Documents by acquisition status | 115 |
| 3.4.4 | Records, legal and archival documents | 115 |
| 3.4.5 | Special types of documents | 118 |
| 3.4.6 | Documents by originator and intended purpose | 130 |
| 3.4.7 | Documents by main feature | 132 |
| 3.5 | Tertiary documents | 144 |
| 3.5.1 | General concepts | 144 |
| 3.5.2 | Catalogues and archival registers | 149 |
| 3.5.3 | Documents and parts of documents reflecting archival registering | 152 |
| 3.5.4 | Documents and parts of documents reflecting content analysis and content description | 153 |
| 3.5.5 | Reference works | 154 |
| 3.5.6 | Services to obtain documents | 156 |
| 3.5.7 | Parts of documents used in the bibliographic description | 157 |
| 3.5.8 | Intellectual parts of documents | 158 |

| | | |
|--------|--|-----|
| 3.5.9 | Physical parts of documents | 166 |
| 3.6 | Holdings of information and documentation organizations | 175 |
| 3.6.1 | Types of collections | 175 |
| 3.6.2 | Collection planning, development and acquisition | 178 |
| 3.6.3 | Archival sets of documents | 181 |
| 3.6.4 | Institutions | 187 |
| 3.6.5 | Archival operations and archival collection management | 196 |
| 3.7 | Analysis, representation and content description of documents and data | 198 |
| 3.7.1 | Main elements at the basis of the description | 198 |
| 3.7.2 | Description and cataloguing | 199 |
| 3.7.3 | Headings | 205 |
| 3.7.4 | Titles | 206 |
| 3.8 | Content analysis and content description | 208 |
| 3.8.1 | General concepts | 208 |
| 3.8.2 | Indexing and evaluation of indexing results | 210 |
| 3.8.3 | Thesauri and terms | 212 |
| 3.8.4 | Thesauri and their elements | 220 |
| 3.8.5 | Classifications and their elements | 223 |
| 3.8.6 | Types of classifications | 226 |
| 3.9 | Storage | 228 |
| 3.9.1 | General concepts | 228 |
| 3.9.2 | Filing and shelving | 229 |
| 3.10 | Search and retrieval | 231 |
| 3.10.1 | General concepts | 231 |
| 3.10.2 | Search methods and elements | 232 |
| 3.10.3 | Search operations and evaluation of their results | 236 |
| 3.11 | Use of information and documents | 238 |
| 3.11.1 | Access to information | 238 |
| 3.11.2 | Use of information | 242 |
| 3.11.3 | Infrastructure | 243 |
| 3.11.4 | Types of use | 247 |
| 3.11.5 | Services | 248 |
| 3.11.6 | Administration | 249 |
| 3.11.7 | Usage studies and performance measures | 251 |
| 3.12 | Preservation of documents | 254 |
| 3.12.1 | General concepts | 254 |
| 3.12.2 | Properties of materials relevant to preservation | 257 |
| 3.12.3 | Processes involved in the manufacture or conservation of documents | 261 |
| 3.12.4 | Types of damage to documents | 262 |
| 3.12.5 | Agents causing damage to documents | 265 |
| 3.12.6 | Conservation measures | 266 |
| 3.13 | Legal aspects of information and documentation | 270 |
| 3.13.1 | General concepts | 270 |
| 3.13.2 | Literary, artistic and industrial property | 271 |
| 3.13.3 | Author's rights | 273 |
| 3.13.4 | Privacy and data protection | 275 |
| 3.13.5 | Data protection and security | 276 |
| | English alphabetical index | 303 |