

# ISO/IEC 5394:2024-01 (E)

## Information technology - Criteria for concept systems

---

<b>Contents</b>		Page
<b>Foreword</b>		<b>iv</b>
<b>Introduction</b>		<b>v</b>
<b>1 Scope</b>		<b>1</b>
<b>2 Normative references</b>		<b>1</b>
<b>3 Terms and definitions</b>		<b>1</b>
<b>4 Abbreviations</b>		<b>5</b>
4.1 Abbreviations relating to terminology		5
4.2 Abbreviations relating to computing		5
<b>5 Requirements for a concept system</b>		<b>5</b>
5.1 Overview		5
5.2 Components of a concept system		6
5.2.1 General		6
5.2.2 Concepts		6
5.2.3 Concept relations		7
5.2.4 Terms		7
5.2.5 Definitions		7
5.3 Principles for forming concept systems		7
5.3.1 General		7
5.3.2 Human and computer readability		8
5.3.3 Comprehensiveness		8
5.3.4 Clarity		8
5.3.5 Extensibility		8
5.3.6 Stability		8
5.3.7 Retrievability		8
5.3.8 Standardization		8
5.4 Representations		8
5.5 Level of structure		9
5.6 Relations between concept systems and vocabularies		10
5.7 Concept system management		11
5.7.1 Developing concept systems		11
5.7.2 Management of concept systems		11
5.7.3 Integration of concept systems		11
<b>Annex A (informative) Examples of representing various forms of concept systems</b>		<b>12</b>
<b>Annex B (informative) Relationship to ISO/IEC 11179 and other JTC 1/SC 32/WG 2 standards</b>		<b>20</b>
<b>Bibliography</b>		<b>22</b>