

# ISO 16354:2013-03 (E)

## Guidelines for knowledge libraries and object libraries

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>3.1</b>	<b>Terms and definitions for concepts .....</b>	<b>1</b>
<b>3.2</b>	<b>Terms and definitions for kinds of relations .....</b>	<b>7</b>
<b>4</b>	<b>Symbols and abbreviations .....</b>	<b>16</b>
<b>5</b>	<b>Objectives .....</b>	<b>17</b>
<b>5.1</b>	<b>Introduction .....</b>	<b>17</b>
<b>5.2</b>	<b>Scope, conditions and target users .....</b>	<b>17</b>
<b>5.3</b>	<b>Problem definition .....</b>	<b>18</b>
<b>5.4</b>	<b>Objective of this standard .....</b>	<b>18</b>
<b>5.5</b>	<b>Guidelines as instrument .....</b>	<b>20</b>
<b>6</b>	<b>Types of knowledge libraries .....</b>	<b>23</b>
<b>6.1</b>	<b>Introduction .....</b>	<b>23</b>
<b>6.2</b>	<b>Definitions and types of knowledge libraries .....</b>	<b>24</b>
<b>6.3</b>	<b>Added value of knowledge libraries .....</b>	<b>27</b>
<b>7</b>	<b>Functional framework for knowledge libraries .....</b>	<b>30</b>
<b>7.1</b>	<b>Introduction .....</b>	<b>30</b>
<b>7.2</b>	<b>Functional unit: vocabulary or list of terms .....</b>	<b>31</b>
<b>7.3</b>	<b>Functional unit: Dictionary .....</b>	<b>31</b>
<b>7.4</b>	<b>Functional unit: Taxonomy .....</b>	<b>31</b>
<b>7.5</b>	<b>Functional unit: Aspect Models .....</b>	<b>33</b>
<b>7.6</b>	<b>Functional unit: Composition Models .....</b>	<b>33</b>
<b>7.7</b>	<b>Functional unit: Collections .....</b>	<b>34</b>
<b>7.8</b>	<b>Relations between functional units .....</b>	<b>35</b>
<b>8</b>	<b>Guidelines for functional units .....</b>	<b>36</b>
<b>8.1</b>	<b>Guidelines for Vocabularies or List of Terms .....</b>	<b>36</b>
<b>8.2</b>	<b>Guidelines for Dictionaries .....</b>	<b>39</b>
<b>8.3</b>	<b>Guidelines for Taxonomies .....</b>	<b>40</b>
<b>8.4</b>	<b>Guidelines for Aspect Models .....</b>	<b>46</b>
<b>8.5</b>	<b>Guidelines for Composition Models .....</b>	<b>47</b>
<b>8.6</b>	<b>Guidelines for Collections .....</b>	<b>49</b>
<b>8.7</b>	<b>Guidelines for Cross Functional Units .....</b>	<b>50</b>
<b>Annex A (informative)</b>	<b>Quality labels .....</b>	<b>53</b>
<b>Annex B (normative)</b>	<b>Reference model .....</b>	<b>60</b>
<b>Annex C (informative)</b>	<b>Guidelines under scrutiny .....</b>	<b>66</b>
<b>Annex D (informative)</b>	<b>Index .....</b>	<b>70</b>
<b>Bibliography .....</b>		<b>72</b>