

# ISO 24613-1:2024-01 (E)

## Language resource management - Lexical markup framework (LMF) - Part 1: Core model

---

<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 Key standards used by LMF</b> .....		<b>3</b>
4.1 Unicode.....		3
4.2 Language coding.....		3
4.3 Script coding.....		3
4.4 Unified modelling language.....		3
<b>5 The LMF model</b> .....		<b>3</b>
5.1 General.....		3
5.2 Class inheritance and data category selection procedures.....		4
5.2.1 Class inheritance.....		4
5.2.2 LMF attributes.....		4
5.2.3 Data category selection (DCS).....		4
5.2.4 User-defined data categories.....		4
5.3 LMF core package.....		4
5.3.1 General.....		4
5.3.2 LexicalResource class.....		5
5.3.3 GlobalInformation class.....		5
5.3.4 Lexicon class.....		6
5.3.5 LexiconInformation class.....		6
5.3.6 LexicalEntry class.....		6
5.3.7 Form class.....		6
5.3.8 OrthographicRepresentation class.....		6
5.3.9 GrammaticalInformation class.....		6
5.3.10 Sense class.....		6
5.3.11 Definition class.....		7
5.4 Cross reference (CrossREF) model.....		7
5.4.1 General.....		7
5.4.2 CrossREF class.....		7
5.4.3 CrossREFConstraint class.....		7
5.5 Methods for data category selection and subclass creation.....		7
5.5.1 General.....		7
5.5.2 Generalization.....		7
5.5.3 Object instantiation.....		8
5.5.4 Design choices.....		8
5.5.5 Data categories for orthographic representation.....		8
5.5.6 Principles for model simplification.....		9
5.6 LMF extension use.....		9
5.6.1 General.....		9
5.6.2 Lexicon comparison.....		10
<b>Annex A (informative) Data category examples</b> .....		<b>11</b>
<b>Bibliography</b> .....		<b>14</b>