ISO 24617-12:2025-01 (E)

Language resource management - Semantic annotation framework (SemAF) - Part 12: Quantification

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Background 3

5 Basic concepts 5
5.1 Aspects of quantification in natural language and their annotation 5
5.2 Quantification domains 6
5.3 Determinacy 7
5.4 Distributivity 7
5.5 Involvement, size and exhaustiveness 8
5.6 Individuation 9
5.7 Argument roles 9
5.8 Polarity and modality 9
5.9 Participant scope 9
5.10 Event scope 10
5.11 Repetitiveness 10
5.12 Modifiers -- Restrictiveness and linking 10
5.13 Genericity 11

6 QuantMLspecification 12
6.1 Abstract syntax 12
6.1.1 General 12
6.1.2 Conceptual inventory 12
6.1.3 Entity structures 13
6.1.4 Link structures 13
6.2 Concrete syntax -- A reference representation format 14
6.2.1 Representation formats 14
6.2.2 Entity structure representations 14
6.2.3 Link structure representations 15
6.3 Semantics 15

Annex A (informative) Annotation guidelines 17

Annex B (informative) QuantML semantics 24

Annex C (informative) Example annotations with semantic interpretations 34

Bibliography 42