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Gestion des ressources linguistiques — Cadre d'annotation sémantique (SemAF) — Partie 12: Quantification

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Language resource management — Semantic annotation framework (SemAF) —

Part 12: Quantification

Gestion des ressources linguistiques — Cadre d'annotation sémantique (SemAF) —

Partie 12: Quantification

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Foreword

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This document was prepared by Technical Committee ISO/TC 37, *Language and terminology*, Subcommittee SC 4, *Language resource management*.

A list of all parts in the ISO 24617 series can be found on the ISO website.

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Introduction

This document is an addition to the ISO 24617 series of standards for annotating various types of semantic phenomena in natural language. Quantification phenomena are particularly important since quantifications occur in every sentence in every language, except in trivial sentences such as "It is raining" in English, "det regner" in Danish or "Llueve" in Spanish. Quantification phenomena are an essential component for the understanding of spoken and textual language and multimodal messages. Annotating such phenomena in an interoperable way improves the re-usability of language resources as a basis for understanding-based applications of language technology, such as factually and contextually reliable information extraction and question answering in human-computer dialogue.

The content of this document builds on earlier studies of aspects and annotation of quantification phenomena, in particular References [3] and [5]. Based on these and other previous studies, this document specifies an annotation scheme with a markup language, called QuantML, which allows a synthesized way of treating a range of quantification phenomena.

This document provides support for the annotation of quantification phenomena in accordance with the principles of semantic annotation laid down in ISO 24617-6, and in a way that is consistent with existing and developing standards for the annotation of semantic information within the ISO semantic annotation framework (SemAF, the ISO 24617 series).

NOTE   The explanatory repository of annotated quantification phenomena in the Quantification Bank (see Reference [37]), maintained at Tilburg University, provides background information about the basic concepts in quantification annotation, plus a collection of annotated examples.

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