

ISO 24617-8:2016-12 (E)

Language resource management - Semantic annotation framework (SemAF) - Part 8: Semantic relations in discourse, core annotation schema (DR-core)

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Basic concepts and metamodel	3
4.1	Overview	3
4.2	Representation of discourse structure	3
4.3	Semantic description of discourse relations	4
4.4	Pragmatic variants of discourse relations	4
4.5	Hierarchical classification of discourse relations	5
4.6	Inference of multiple relations between two segments	5
4.7	Representation of (a)symmetry of relations	6
4.8	Representation of the relative importance of arguments for discourse meaning/ structure	6
4.9	Arity of arguments	7
4.10	Syntactic form, extent, and (non-)adjacency of argument realizations	7
4.11	Triggers of discourse relations	7
4.12	Representation of attribution as a discourse relation	8
4.13	Representation of entity-based relations	9
4.14	Representation of non-existence of a discourse relation	10
4.15	Summary: Assumptions of the DR-core annotation scheme	10
4.16	Issues to be taken up in the follow-up of DR-core	11
4.17	Metamodel	11
5	Core discourse relations	12
6	Current approaches and annotation schemes	21
6.1	Overview	21
6.2	Rhetorical structure theory (RST)	21
6.3	RST Treebank	22
6.4	Hobbs' Theory of Discourse Coherence (HTDC)	24
6.5	GraphBank	24
6.6	SDRT	25
6.7	CCR	26
6.8	Penn Discourse Treebank (PDTB)	26
6.9	Mapping of DR-core discourse relations to existing classifications	28
7	Interactions of this document with other annotation schemes	30
7.1	Overlapping annotation schemes	30
7.2	Discourse relations and semantic roles	31
7.3	Discourse relations and temporal relations	31
7.4	Discourse relations and semantic relations between dialogue acts	32
8	DReML: Discourse Relations Markup Language	33
8.1	Overview	33

8.2	DReIML abstract syntax and semantics	34
8.3	Concrete syntax	35
	Bibliography	39