**D3.1.1 Review of model-to-model transformation approaches and technologies**

ModelWriter

Text & Model-Synchronized Document Engineering Platform

Project number: ITEA 2 13028

Work Package: WP3

Task: T3.1 - Review of M2M transformation approaches

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Apart from the deliverables which are defined as public information in the Project Cooperation Agreement (PCA), unless otherwise specified by the consortium, this document will be treated as strictly confidential.

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1. Introduction
   1. Role of the deliverable

This document consists of a review of model transformation approaches in general and model to model transformation approaches in specific. Also, the document will discuss the selection of the most convenient and widely used transformation approach in the industry for inclusion into the ModelWriter tool. It may be up-dated depending on the further details and requirements we get during the project.

* 1. The List of Technical Work Packages

|  |  |
| --- | --- |
| UC Code | Requirements derived from |
| WP2 | Semantic Parsing and Generation of Documents and Documents Components |
| WP3 | Model to/from Knowledge Base (synchronization mechanism) |
| WP4 | Knowledge Base Design and Implementation |
| WP6 | Architecture, Integration and Evaluation |

* 1. Structure of the document

This document is organized as follows:

Chapter 1 introduces the document.

Chapter 2 reviews the model transformation approaches in different groups and for various uses which are available as the state-of-the-technology.

Chapter 3 compares the available approaches and compares them considering their pros and cons

Chapter 4 discusses

Annex 1 lists for each use case the annex documents and associated data deliverables, so called “corpora”:

* + D1.2.2 Public corpora, and
  + D1.2.3 Private corpora.
  1. Terms, abbreviations and definitions

|  |  |
| --- | --- |
| Abbreviation | Definition |
| RDF | Resource Description Framework |
| WP | Work Package |
| UC | Use Case |

1. State-of-the-technology

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* 1. Level 2 Header
     1. Level 3 Header

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1. Comparison
2. Selected approach
3. Conclusion and way forward

References

1. Baldwin, Timothy, Emily M. Bender, Dan Flickinger, Ara Kim and Stephan Oepen (2004) Road-testing the English Resource Grammar over the British National Corpus, In Proceedings of the Fourth International Conference on Language Resources and Evaluation (LREC 2004), Lisbon, Portugal.
2. …

Appendixes

Appendix 1

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