Status of Study Period on Merged Core Ontology and Recommendations for Future Study Work

Frank Farance

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WG2/N1273

Proposed In 2008-11

- ## Summary:

  - The MCO (Merged Core Ontology) combines three internationally developed ontologies (BFO, SUMO, DOLCE) to provide a baseline ontology for developing class of applications (domains). The ontology has been used to provide semantic specification of common features for situational/context awareness, such as Who, What, Where, When. The semantic foundation was originally developed in the US Army and the work is being released to the public for use around 2008-09-30 via GNU public licensing.

After 2008-11 WG2 Meeting

- Issues:
  - Expected successful ballot in SC32, but ballot failed due to lack of 50% voting participation
  - Expected draft from US Army to review, but document was not submitted for distribution

Recommend Approval of Study Group With Revised Scope

- Title
  - Study Group On Layering Ontologies upon Data Exchange Agreements

- Scope:
  - To study best practices for enhancing existing data exchange specifications by layering ontologies and, thus, providing additional semantic guidance upon and interpretation of the data itself.

Rationale

- Want to down-scope of the originally proposed study group.

- Studying a limited case that might have practical results:

    – Layering/adding ontologies might be easier than recreating the data exchange agreement from scratch.

    – Would allow migration towards better semantic description and ontologies

Work Plan

- ## 2009-07 / 2009-11
  - Develop small number of sample cases (3-5)
  - Develop ontologies for overlay
  - Show how ontologies would provide additional capability/use

- ## 2009-12 / 2010-05
  - Investigate conformity / compatibility issues as (hypothetical) users migrate from non-semantic use (legacy) to enhanced semantic use
  - Provide sample content for 11179-3 Edition 3 via 20943-x draft text

Conclusions

- Better scoping of study by choosing a smaller scope

- Focus on immediate practical needs

- Coordinate with 11179-3 Edition 3 work

- Final work product: another part of 20943 (technical report)