

## How to Build Ontologies for Requirements Systems Engineering Projects Aiding the Quality Management Process

### Datenbank

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### Deskriptoren

Anforderungstechnik; Systemtechnik; Knowledge-Management; Qualitätserhöhung; Qualitätsmanagement

### Freie Begriffe

Ontologie; reuse

### Abstract

Knowledge is centric to systems engineering, the knowledge management process must take into account that a Systems Knowledge Repository (SKR) exists as a key element for either quality improvement, traceability support and, in summary, reuse purposes. Requirements engineering in the Systems Engineering process is enhanced by using knowledge systems and quality of requirements enriched as well. The more correct, complete and consistent a requirement is, the best performance it will have and knowledge systems enable a more exhaustive and fast quality process. A knowledge management process is proposed and it is guided by a requirements domain based example using a Knowledge Management tool supporting the whole process.

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