

48th SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE MANAGEMENT IN SPACE
ACTIVITIES (D5)

Knowledge management and collaboration in space activities (2)

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PROPOSED A MODEL — ONTOLOGY-BASED KNOWLEDGE MANAGEMENT OBKM FOR
SATELLITE

Abstract

User information demand of satellite knowledge base presents a real-time, better educated, individualized and the characteristics of integration, which challenges to the application of knowledge management. Because knowledge management doesn't have a specific method to support, makes the knowledge management improve productivity is only as a concept in the spread. In this paper, by using the semantic web and ontology technology, proposed a model— ontology-based knowledge management OBKM. OBKM model for ontology and connect them with a large amount of data, storage and maintenance of knowledge ontologies as well as their instances, query and browse the rich source of semantic information. Model with rich semantic search engine, and its browse and knowledge sharing support, help knowledge query and reasoning in the field of satellite knowledge management, improve the management efficiency of information.