SYMPOSIUM ON INTEGRATED APPLICATIONS (B5)
Integrated Applications End-to-End Solutions (1)

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CREATING AN INTERNATIONAL TAXONOMY FOR SPACE

Abstract

Traditional knowledge sharing amongst space agencies, industry, and academia has focused on data related to a mission. However, an opportunity to create a model of both how and what to share amongst countries was proposed last year. The creation of a high-level taxonomy and governance that would provide a basis for easy knowledge sharing amongst aerospace organizations, academia, and government agencies was agreed to. Such a taxonomy benefits organizations by providing:

- Overall scheme for organizing content to solve a business problem

- Representation of a predefined organizational structure that covers a range of subjects in a hierarchical arrangement and that shows correlations between subject areas

- Optimized site map or information architecture that allows users to intuitively navigate to content

The work to date will be presented including an:

- Understanding of the challenge for sharing knowledge on missions, between organizations, for integrated applications, and for long-term capture and access to knowledge

- Taxonomy concept and methodology

- Best practices and high-level requirements Identification of taxonomies and standards for inclusion

- Top-level facets

Future work will include metadata mapping, metadata specification, and XML schema development.