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TITLE OF DIPLOMA THESIS:

Evaluation of multi-project scheduling with MS Project 2010 and Primavera P6

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ABSTRACT

The objective of this thesis is the comparative evaluation of the features and capabilities of multi-project scheduling, performed by two widely used commercial software applications, Primavera P6 Professional Project Management and MS Project Professional 2010. The thesis focuses on multi-project management, since it encounters more difficulties to reconcile the requirements, constraints and relationships between tasks and resources and reflects the needs of modern organizations in a more realistic way, than managing projects as independent units. The comparison was structured on a case study, which implemented the management of three technical projects, performed partly in parallel and using shared resources. The managing process is presented in phases, from the introduction to the programs of enterprise and project data up to managing the resources, defining, editing and updating the schedules and the cost. The comparative assessment of the use of both software applications is primarily based on literature and internet sources and is extended and concluded through the personal experience in the exhaustive investigation of their characteristics. The thesis describes the capabilities and weaknesses of software at each stage of project management and evaluates the facility, speed and efficiency of their use by organizations with different requirements and users with varying levels of experience.

KEYWORDS

Project Management, Multi-project scheduling, Software evaluation, Primavera P6, MS Project 2010