

New Business Models for Space Exploration (14)

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Author: Mr. Frank Buzzard
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FOR THE FUTURE**Abstract**

This paper presents an analysis on the principles of establishing a successful space transportation system in comparison to the lessons learned from past successful transportation infrastructure implementations. Principles to apply to future commercial Space Transportation systems in the government/industry partnership are derived from the successful implementation of Roman Roads, the Erie Canal, the Transcontinental Railroad, and Commercial Aviation programs. These principles are discussed and recommendations are given for transitioning the government role from development and operation of space transportation systems to a customer for launch services to space.

The role of the government and the industry partnership is also explored in creating, developing, and maintaining the market for access to space. Rationale and analogies from past transportation infrastructure implementation successes are applied to the future role of government and industry to encourage a vibrant and robust commercial space transportation system that paves the way for future exploration and the effective commercial utilization of space using the International Space Station as a Transportation Node.