Integrating Program Management and Systems Engineering: Methods, Tools, and Organizational Systems for Improving Performance

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**DESCRIPTION**

Integrate critical roles to improve overall performance in complex engineering projects

*Integrating Program Management and Systems Engineering* shows how organizations can become more effective, more efficient, and more responsive, and enjoy better performance outcomes. The discussion begins with an overview of key concepts, and details the challenges faced by System Engineering and Program Management practitioners every day. The practical framework that follows describes how the roles can be integrated successfully to streamline project workflow, with a catalog of tools for assessing and deploying best practices. Case studies detail how real-world companies have successfully implemented the framework to improve cost, schedule, and technical performance, and coverage of risk management throughout helps you ensure the success of your organization's own integration strategy. Available course outlines and PowerPoint slides bring this book directly into the academic or corporate classroom, and the discussion's practical emphasis provides a direct path to implementation.

The integration of management and technical work paves the way for smoother projects and more positive outcomes. This book describes the integrated goal, and provides a clear framework for successful transition.

- Overcome challenges and improve cost, schedule, and technical performance
- Assess current capabilities and build to the level your organization needs
- Manage risk throughout all stages of integration and performance improvement
• Deploy best practices for teams and systems using the most effective tools

Complex engineering systems are prone to budget slips, scheduling errors, and a variety of challenges that affect the final outcome. These challenges are a sign of failure on the part of both management and technical, but can be overcome by integrating the roles into a cohesive unit focused on delivering a high-value product. *Integrating Program Management with Systems Engineering* provides a practical route to better performance for your organization as a whole.

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**ABOUT THE AUTHOR**

**Eric Rebentisch** leads research projects at the Massachusetts Institute of Technology's (MIT) Sociotechnical Systems Research Center (SSRC). His research focuses on improving the performance of technically driven organizations and their product offerings.

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