

Integrating Program Management and Systems Engineering

One major effort of the INCOSE alliance with MIT and PMI has been to develop a book incorporating research our organizations have supported over the past three years focused on the integration of systems engineering and project/program management practices. In addition to research, alliance members contributed knowledge of the field, existing tools and standards, and a wealth of practical experience. Thanks to generous contributions by many INCOSE members, as well as our alliance colleagues at PMI and MIT, this important new work is now becoming available to the world.

(Integrating Program Management and Systems Engineering will be available very soon through the INCOSE and PMI bookstores. Members can purchase the book at a discount, check the website for detailed pricing and availability information.)

Integrating Program Management and Systems Engineering offers a valuable resource for anyone involved in developmental effort, and presents a framework for understanding how these elements combine to improve programs throughout their life-cycle. It uses case studies and acknowledged best practices to show the practical, real world application of the framework. A key contribution of this book is practical guidance on tools, processes, capabilities and structures that enable effective integration between program management and systems engineering.

Please join as the lead representatives from each alliance organization introduce the background behind this work, overview the contents, and share their vision for opportunities that the book creates.

Biographies:

Randall C. Iliff has over 35 years' experience leading developmental effort, and has participated in all phases of project execution from proposal to close out. He is a seasoned large-project PM as well as a recognized expert in Systems Engineering.

Mr. Iliff holds a BS in Engineering / Industrial Design from Michigan State University, and an MS in Systems Management, Research and Development from the University of Southern California.



Mr. Iliff is a charter member of the International Council On Systems Engineering (INCOSE), and currently serves as the INCOSE representative on an alliance between INCOSE, PMI, and the MIT Center for Program Excellence.

Until early 2016 Mr. Iliff was VP at the award-winning design firm bb7, where he was also Director of Strategy, Methods and Learning. Prior to that he worked for

Motorola, Martin Marietta, and McDonnell-Douglas. In 2016, he left bb7 and founded Eclectic Intellect.

Eric S. Rebentisch is Lead Researcher at MIT's Consortium for Engineering Program Excellence. He has a Ph.D. in Management of Technological Innovation from MIT, a Master's degree in Organizational Behavior from Brigham Young University, and a B.S. in Aerospace Engineering from California State Polytechnic University. He has taught Master's level and continuing education courses on Six Sigma, Lean Product Development, Lean Enterprise, and Research Methods. A frequent presenter/lecturer, his major areas of research include High Performance Enterprise Product Development, Lean Product Development, Lean Project Management, Enterprise Change Management, and System Architecting and Development Strategies. He is editor of "Integrating Program Management and Systems Engineering" and author of numerous other publications. He has played key roles in analysis, policy recommendations, and transformation initiatives within the US and other governments.



Stephen Townsend is PMI's Director for Network Programs. In this capacity, he leads special program initiatives, including development of a practice guide on agile methods; and a book on the integration of program management and systems engineering with the International Council on Systems Engineering and MIT's Consortium on Engineering Program Excellence. He is also working with PMI's U.S. government relations team to plan for implementation of the Program Management Improvement Accountability Act.



Stephen has worked within PMI since 1999 in the areas of member services; chapter/community relations; business/government relations; and PMI's global development activities.

Stephen has over 30 years of experience in non-profit leadership and management, including staff roles in such associations as:

- Food Marketing Institute.
- American Association for Marriage and Family Therapy.
- National Community Mental Healthcare Council.
- Clinical Laboratory Management Association.
- Society of Cable Telecommunications Engineers.
- Institute of Management Accountants.

Stephen has also consulted with associations on their global development and community strategies. He is a long-term member of and volunteer within the American Society of Association Executives.

Eric Rebentisch, Editor-in-Chief

Integrating **Program Management** and **Systems Engineering**

Methods, Tools,
and Organizational Systems
for Improving Performance



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