
Description:

Technology/Engineering/General

A top-down, step-by-step, life-cycle approach to systems engineering

In today's environment, there is an ever-increasing need to develop and produce systems that are robust, reliable, high quality, supportable, cost-effective, and responsive to the needs of the customer or user. Reflecting these worldwide trends, System Engineering Management, Fourth Edition introduces readers to the full range of system engineering concepts, tools, and techniques, emphasizing the application of principles and concepts of system engineering and the way these principles aid in the development, utilization, and support of systems.

Viewing systems engineering from both a technical and a management perspective, this fully revised and updated edition extends its coverage to include:

The changing areas of system requirements

Increasing system complexities

Extended system life cycles versus shorter technology cycles

Higher costs and greater international competition

The interrelationship of project management and systems engineering as they work together at the project team level

Supported by numerous, real-life case studies, this new edition of the classic resource demonstrates step by step a comprehensive, top-down, life-cycle approach that system engineers can follow to reduce costs, streamline the design and development process, improve reliability, and win customers.

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