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Systems Engineering Fundamentals

By United States Government US Army

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 220 pages. Dimensions: 10.9in. x 8.5in. x 0.8in. This book provides a basic, conceptual-level description of engineering management disciplines that relate to the development and life cycle management of a system. For the non-engineer it provides an overview of how a system is developed. For the engineer and project manager it provides a basic framework for planning and assessing system development. Information in the book is from various sources, but a good portion is taken from lecture material developed for the two Systems Planning, Research, Development, and Engineering courses offered by the Defense Acquisition University. The book is divided into four parts: Introduction; Systems Engineering Process; Systems Analysis and Control; and Planning, Organizing, and Managing. The first part introduces the basic concepts that govern the systems engineering process and how those concepts fit the Department of Defense acquisition process. Chapter 1 establishes the basic concept and introduces terms that will be used throughout the book. The second chapter goes through a typical acquisition life cycle showing how systems engineering supports acquisition decision making. The second part introduces the systems engineering problem-solving process, and discusses in basic...



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