
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.

Contents:

Foreword.

Preface.

1. Introduction to System Engineering.
   1.1 Definition of a System.
   1.1.1 The Characteristics of a System.
   1.1.2 Categories of Systems.
   1.1.3 System of Systems (SOS).
   1.2 The Current Environment: Some Challenges.
   1.3 The Need for System Engineering.
   1.3.1 The System Life Cycle.
   1.3.2 Definition of System Engineering.
1.3.3 Requirements for System Engineering.
1.3.4 System Architecture.
1.3.5 System Science.
1.3.6 System Analysis.
1.3.7 Some Additional System Models.
1.3.8 System Engineering in the Life Cycle (Some Applications).
1.4 Related Terms and Definitions.
1.4.1 Concurrent/Simultaneous Engineering.
1.4.2 Some Major Supporting Design Disciplines.
1.4.3 Logistics and Supply Chain Management (SCM).
1.4.4 Integrated System Maintenance and Support.
1.4.5 Data and Information Management.
1.4.6 Configuration Management (CM).
1.4.7 Total Quality Management (TQM).
1.4.8 Total System Value and Life-Cycle Cost (LCC).
1.5 System Engineering Management.
1.6 Summary.
2.1 Definition of the Problem (Current Deficiency).
2.2 System Requirements (Needs Analysis).
2.3 System Feasibility Analysis.
2.4 System Operational Requirements.
2.5 The Logistics and Maintenance Support Concept.
2.6 Identification and Prioritization of Technical Performance Measures (TPMs).
2.7 Functional Analysis.
2.7.1 Functional Flow Block Diagrams (FFBDs).
2.7.2 Operational Functions.
2.7.3 Maintenance and Support Functions.
2.7.4 Application of Functional Analysis.
2.7.5 Interfaces with Other Systems in an SOS Configuration.
2.8 Requirements Allocation.
2.8.1 Functional Packaging and Partitioning.
2.8.2 Allocation of System-Level Requirements to the Subsystem Level and Below.
2.8.3 Traceability of Requirements (Top-Down/Bottom-Up).
2.8.4 Allocation of Requirements in a SOS Configuration.
2.9 System Synthesis, Analysis, and Design Optimization.
2.10 Design Integration.
2.11 System Test and Evaluation.
2.11.1 Categories of Test and Evaluation.
2.11.2 Integrated Test Planning.
2.11.3 Preparation for Test and Evaluation.
2.11.4 Test Performance, Data Collection, Analysis, and Validation.
2.11.5 System Modifications.
2.12 Production and/or Construction.
2.13 System Operational Use and Sustaining Support.
2.15 Summary.
3.1 Development of Design Requirements and Design-To Criteria.
3.2 Development of Specifications.
3.3 The Integration of System Design Activities.
3.4 Selected Design Engineering Disciplines.
3.4.1 Software Engineering.
3.4.2 Reliability Engineering.
3.4.3 Maintainability Engineering.
3.4.4 Human Factors Engineering.
3.4.5 Safety Engineering.
3.4.6 Security Engineering.
3.4.7 Manufacturing and Production Engineering.
3.4.8 Logistics and Supportability Engineering.
3.4.9 Disposability Engineering.
3.4.10 Quality Engineering.
3.4.11 Environmental Engineering.
3.4.12 Value/Cost Engineering (Life-Cycle Costing).
3.5 SOS Integration and Interoperability Requirements.
3.6 Summary.
4. Engineering Design Methods and Tools.
4.1 Conventional Design Practices.
4.2 Analytical Methods.
4.3 Information Technology, the Internet, and Emerging Technologies.
4.4 Current Design Technologies and Tools.
4.4.1 The Use of Simulation in System Engineering.
4.4.2 The Use of Rapid Prototyping.
4.4.3 The Use of Mock-ups.
4.5 Computer-Aided Design (CAD).
4.6 Computer-Aided Manufacturing (CAM).
4.7 Computer-Aided Support (CAS).
4.8 Summary.
5.1 Design Review and Evaluation Requirements.
5.2 Informal Day-to-Day Review and Evaluation.
5.3 Formal Design Reviews.
5.3.1 Conceptual Design Review.
5.3.2 System Design Reviews.
5.3.3 Equipment/Software Design Reviews.
5.3.4 Critical Design Review.
5.4 The Design Change and System Modification Process.
5.5 Summary.
6.0 Systems Engineering Program Requirements.
6.1.1 The Need for Early System Planning.
6.1.2 Determination of Program Requirements.
6.2.1 Statement of Work.
6.2.2 Definition of System Engineering Functions and Tasks.
6.2.3 System Engineering Organization.
6.2.4 Development of a Work Breakdown Structure (WBS).
6.2.5 Specification/Documentation Tree.
6.2.6 Technical Performance Measures (TPM).
6.2.7 Development of Program Schedules.
6.2.8 Preparation of Cost Projections.
6.2.9 Program Technical Reviews and Audits.
6.2.10 Program Reporting Requirements.
6.3 Determination of Outsourcing Requirements.
6.3.1 Identification of Potential Suppliers.
6.3.2 Development of a Request for Proposal (RFP).
6.3.3 Review and Evaluation of Supplier Proposals.
6.3.4 Selection of Suppliers and Contract Negotiation.
6.3.5 Supplier Monitoring and Control.
6.4 Integration of Design Specialty Plans.
6.5 Interfaces with Other Program Activities.
6.6 Management Methods/Tools.
6.7 Risk Management Plan.
6.8 Global Applications/Relationships.
6.9 Summary.

7.1 Developing the Organizational Structure.
7.2 Customer, Producer, and Supplier Relationships.
7.3 Customer Organization and Functions.
7.4 Producer Organization and Functions (The Contractor).
7.4.1 Functional Organization Structure.
7.4.2 Product-Line/Project Organization Structure.
7.4.3 Matrix Organizational Structure.
7.4.5 Integrated Product/Process Teams (IPTs).
7.4.6 System Engineering Organization.
7.5 Supplier Organization and Functions.
7.6 Human Resource Requirements.
  7.6.1 Creating the Proper Organizational Environment.
  7.6.2 Leadership Characteristics.
  7.6.3 The Needs of the Individual.
  7.6.4 Staffing the Organization.
  7.6.5 Personnel Development and Training.
7.7 Summary.
  8.1 Evaluation Requirements.
  8.2 Benchmarking.
  8.3 Evaluation of the System Engineering Organization.
  8.4 Program Reporting, Feedback, and Control.
  8.5 Summary.
Appendix A: Functional Analysis (Case-Study Examples).
Appendix B: Life-Cycle Cost-Analysis Process.
Appendix C: Selected Case Studies (Seven Examples).
Appendix D: Design Review Checklist.
Appendix E: Supplier Evaluation Checklist.
Appendix F: Selected Bibliography.
Index.

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