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KEY=CONFIGURATION - ABBIGAIL JAZMINE

ENGINEERING DOCUMENTATION CONTROL HANDBOOK

CONFIGURATION MANAGEMENT AND PRODUCT LIFECYCLE MANAGEMENT

William Andrew Chapter 1. Introduction -- Chapter 2. Product Documentation -- Chapter 3. Identification Numbers -- Chapter 4. Interchangeability -- Chapter 5. Bill of Material -- Chapter 6. Potpourri -- Chapter 7. Product & Document Release -- Chapter 8. Change requests -- Chapter 9. Change cost. -- Chapter 10. Change Control -- Chapter 11. Fast Change -- Chapter 12. Implementing Process Improvement -- Chapter 13. Process standards and audits -- Chapter 14. EDC & the supply chain -- Chapter 15. Benchmarking -- Chapter 16. CM in the future.

ENGINEERING DOCUMENTATION CONTROL HANDBOOK, 2ND ED.

CONFIGURATION MANAGEMENT FOR INDUSTRY

William Andrew "The wall or gap between Engineering and the rest of the world has existed too long." Watts, with EC3 Corp. in Winter Park, CO, therefore emphasizes Engineering Documentation Control (EDC) or Configuration Management (CM)--distinguishing between the two--as a key business strategy in tandem with Total Quality Manufacturing, and takes a generic approach applicable to commercial and defense agency-related companies. This iteration (no date is specified for the first) includes a new chapter on benchmarking based on actual survey results, and

expanded coverage of interchangeability and change costs. The volume concludes with CM predictions for the future. Annotation copyrighted by Book News, Inc., Portland, OR

ENGINEERING DOCUMENTATION CONTROL HANDBOOK

CONFIGURATION MANAGEMENT FOR INDUSTRY

William Andrew "The control of engineering documentation in a manufacturing company is an important emerging discipline. It is sometimes called Configuration Management (CM). The latter term is one that has been used in conjunction with DoD/Military requirements. This book covers the subject on a generic basis that will be usable by industrial companies." "Engineering Documentation Control is a significant company strategy. The methods for releasing a new product and its documentation, requesting changes to the product, making changes, and developing bills of material must be simple, fast, and accurate. Rules and guidelines are developed and explained for creating world class Engineering Documentation Control processes." "Configuration Management is the communications bridge between Design Engineering and the "rest of the world;" the single most important function served by the CM organization. For the quick release of new product documentation, the ability to change the documentation and the product quickly is critical to a company's profitability. Thus, the development and implementation of a simple, make-sense, fast, accurate, and well understood CM system is an important business strategy." "This book has primary emphasis on the simpler term (Engineering Documentation Control) while recognizing the near equality of the Configuration Management (CM) term."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

ENGINEERING DOCUMENTATION CONTROL / CONFIGURATION MANAGEMENT STANDARDS MANUAL

John Wiley & Sons Get to know a key ingredient to world-class product manufacturing With this manual, you have the best of the best management practices for the configuration management processes. It goes a long way toward satisfying Total Quality Management, FDA, GMP, Lean CM and ISO/QS/AS 9XXX process documentation requirements. The one requirement common to all those standards is to document the processes and to do what you document.

ENGINEERING DOCUMENTATION CONTROL HANDBOOK

CONFIGURATION MANAGEMENT IN INDUSTRY

CONFIGURATION MANAGEMENT METRICS

William Andrew Configuration Management Metrics: Product Lifecycle and Engineering Documentation Control Process Measurement and Improvement provides a comprehensive discussion of measurements for configuration management/product lifecycle processes. Each chapter outlines one of the most important measures of merit - the need for written policy and procedures. The best

of the best practices as to the optimum standards are listed with an opportunity for the reader to check off those that their company has and those they do not. The book first defines the concept of configuration management (CM) and explains its importance. It then discusses the important metrics in the major CM and related processes. These include: new item release; order entry/fulfillment; request for change; bill of material change cost; and field change. Ancillary processes which may or may not be thought of as part of these major processes are also addressed, including deviations, service parts, publications and field failure reporting. Provides detailed guidance on developing and implementing measurement systems and reports Demonstrates methods of graphing and charting data, with benchmarks A practical resource for the development of Engineering Documentation Control processes Includes basic principles of Product Lifecycle processes and their measurement

ENGINEERING DOCUMENTATION CONTROL HANDBOOK

William Andrew Control of engineering documentation, sometimes called Configuration Management (CM) especially in the defense industries, remains critical to world-class manufacturing survival. The 3rd edition of this popular engineering documentation handbook improves upon one of the best blueprints for efficient EDC/CM ever published, and continues to provide a significant company strategy for managers, project leaders, chief engineers and others. It can be used in many industries to improve the control of engineering documentation. Use the Engineering Documentation Control Handbook to get on track right away and make the release of new products and their documentation flow smoothly and easily. The book is packed with specific methods that can be applied quickly and accurately to almost any industry and any product to control documentation, request changes to the product, make those changes and develop bills of material. The result is a powerful communications bridge between engineering and "the rest of the world" that makes rapid changes in products and documentation possible. With the help of the simple techniques in the handbook, companies can gain and hold their competitive advantages in a world that demands flexibility and quick reflexes -- and has no sympathy for delays. The new edition takes the improvements of the second to a whole new level, with more chapters and even more additions. As always, the thrust of the book retains a focus on basics, rules and reasons. The author emphasizes that EDC or CM must be recognized as a key business strategy, and the days of "throwing it over the wall" are gone forever.

CONFIGURATION MANAGEMENT FOR SENIOR MANAGERS

ESSENTIAL PRODUCT CONFIGURATION AND LIFECYCLE MANAGEMENT FOR MANUFACTURING

Butterworth-Heinemann Configuration Management for Senior Managers is written to help managers in product manufacturing and engineering environments identify the ways in which they can streamline their products and processes through proactive documentation control and product lifecycle management. Experienced consultant

Frank Watts gives a practitioner's view tailored to the needs of management, without the textbook theory that can be hard to translate into real-world change. Unlike competing books that focus on CM within software and IT environments, this engineering-focused resource is packed with examples and lessons learned from leading product development and manufacturing companies, making it easy to apply the approach to your business. Developed to help you identify key policies and practices needing attention in your organization to establish and maintain consistency of processes and products, and to reduce operational costs Focused on configuration management (CM) within manufacturing and engineering settings, with relevant examples from leading companies Written by an experienced consultant and practitioner with the knowledge to provide real-world insights and solutions, not just textbook theory

ENGINEERING DOCUMENTATION CONTROL PRACTICES & PROCEDURES

CRC Press Discusses the requirements for establishing, maintaining and revitalizing an efficient engineering documentation control system for use by technical and manufacturing personnel in private industry. The book stresses simplicity and common sense in the development and implementation of all control practices, procedures and forms. A list of effective interchangeability rules, a glossary of essential engineering documentation terms and an extensive bibliography of key literature sources are provided.;This work is intended for mechanical, computer, design, manufacturing and civil engineers; program, purchasing and documentation and production control managers; and upper-level undergraduate, graduate and continuing-education students in these fields.

ENGINEERING PROCEDURES HANDBOOK

William Andrew This handbook is a new systematic approach to engineering documentation, therefore, it will simplify the end users ability to set up or enhance their engineering documentation requirements. Companies with small manual systems to large-scale mass production facilities can use this handbook to tailor their engineering documentation requirements. If an individual or company wishes to create or improve an engineering documentation system, there is no need to start from scratch. Instead, use this new handbook, complete with 47 specially designed forms and with procedures that cover every major aspect of a comprehensive engineering documentation system. Another book published by Noyes, Engineering Documentation Control Handbook can be very helpful if used in conjunction with this handbook. This book contains 62 engineering procedures and 27 forms. Most of these engineering procedures are influenced by the author's background in aircraft, aerospace, and the computer industry. The manufacture of Printed Circuit Boards was used as an example throughout the book. However, the principles are applicable to all engineering and operational disciplines.

SOFTWARE CONFIGURATION MANAGEMENT HANDBOOK, THIRD

EDITION

Artech House Software configuration management (SCM) is one of the scientific tools that is aimed to bring control to the software development process. This new resource is a complete guide to implementing, operating, and maintaining a successful SCM system for software development. Project managers, system designers, and software developers are presented with not only the basics of SCM, but also the different phases in the software development lifecycle and how SCM plays a role in each phase. The factors that should be considered and the pitfalls that should be avoided while designing the SCM system and SCM plan are also discussed. In addition, this third edition is updated to include cloud computing and on-demand systems. This book does not rely on one specific tool or standard for explaining the SCM concepts and techniques; In fact, it gives readers enough information about SCM, the mechanics of SCM, and SCM implementation, so that they can successfully implement a SCM system.

MANUFACTURING DATA STRUCTURES

BUILDING FOUNDATIONS FOR EXCELLENCE WITH BILLS OF MATERIALS AND PROCESS INFORMATION

Wiley Manufacturing Data Structures "Comprehensive yet easy-to-read. Manufacturing Data Structures is filled with anecdotes, yet stresses the importance of maintaining data accuracy. It is valuable reading for all manufacturing managers." Jim Carnall Manufacturing Manager, Eastman Kodak "An entertaining and informative look at an important aspect of day to day business in the MRP II environment. It clearly shows how data structuring methodology can be directly applied to process industries such as the Personal Products/Health and Beauty business." Jeff L. Stevens Manager, Packaging Sciences, Chesebrough-Ponds Canada "Manufacturing Data Structures shows, in a very practical way, how manufacturing data can be used as a competitive weapon. It's a comprehensive guide, filled with solutions to everyday problems." Jim Hendrickson Plant Manager, Reckitt & Colman "An excellent book. Very useful on the subject of data foundations for manufacturing. It has suggested further opportunities for improvement in my own organisation." R.A. Watson Rolls-Royce Motor Cars "Manufacturing Data Structures will be of immense value to the practitioner." Chris Cage ICI Pharmaceuticals

SOFTWARE CONFIGURATION MANAGEMENT PATTERNS

EFFECTIVE TEAMWORK, PRACTICAL INTEGRATION

Addison-Wesley Professional

COACHING KIDS

ALL TEAM SPORTS

Price World Publishing A primer for organizing and coaching children in sports.

PRODUCT LIFECYCLE MANAGEMENT: DRIVING THE NEXT GENERATION OF LEAN THINKING

DRIVING THE NEXT GENERATION OF LEAN THINKING

McGraw Hill Professional Product Lifecycle Management (PLM) is the newest wave in productivity. This revolutionary approach is an outcome of lean thinking; however, PLM eliminates waste and efficiency across all aspects of a product's life--from design to deployment--not just in its manufacture. By using people, product information, processes, and technology to reduce wasted time, energy, and material across an organization and into the supply chain, PLM drives the next generation of lean thinking. Now PLM pioneer Michael Grieves offers everyone from Six Sigma and lean practitioners to supply chain managers, product developers, and consultants a proven framework for adopting this information-driven approach. Product Lifecycle Management shows you how to greatly enhance your firm's productivity by integrating the efforts of your entire organization. Most companies are seeing the returns of their efforts in lean methods diminishing, as the most fruitful applications have already been addressed. Here, Grieves reveals how PLM gives you an opportunity to make improvements both within and across functional areas in order to increase agility, optimize efficiency, and reduce costs across the board. He gives you the most comprehensive view of PLM available, fully outlining its characteristics, method, and tools and helping you assess your organizational readiness. There's also proven examples from the field, where PLM is being widely adopted by leading companies, including General Motors, General Electric, and Dell, that are widely adopting the approach. You'll see how PLM has saved these companies billions in unnecessary costs and shaved as much as 60% off cycle times. With this book you'll learn how to: Develop and implement your PLM strategy to support your corporate objectives Engage all your employees in using information to eliminate waste Enable improved information flow Better organize and utilize your intellectual capital Foster an environment that drives PLM Lean manufacturing can only take your organization so far. To bring your productivity to the next level and save remarkable amounts of time, money, and resources, Product Lifecycle Management is your one-stop, hands-on guide to implementing this powerful methodology.

SITE RELIABILITY ENGINEERING

HOW GOOGLE RUNS PRODUCTION SYSTEMS

"O'Reilly Media, Inc." The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient—lessons directly applicable to your organization. This

book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the theory and practice of an SRE's day-to-day work: building and operating large distributed computing systems Management—Explore Google's best practices for training, communication, and meetings that your organization can use

CONFIGURATION MANAGEMENT, SECOND EDITION

THEORY AND APPLICATION FOR ENGINEERS, MANAGERS, AND PRACTITIONERS

CRC Press The book provides a comprehensive approach to configuration management from a variety of product development perspectives, including embedded and IT. It provides authoritative advice on how to extend products for a variety of markets due to configuration options. The book also describes the importance of configuration management to other parts of the organization. It supplies an overview of configuration management and its process elements to provide readers with a contextual understanding of the theory, practice, and application of CM. The book illustrates the interplay of configuration and data management with all enterprise resources during each phase of a product lifecycle.

SOFTWARE CONFIGURATION MANAGEMENT

CRC Press An effective systems development and design process is far easier to explain than it is to implement. A framework is needed that organizes the life cycle activities that form the process. This framework is Configuration Management (CM). Software Configuration Management discusses the framework from a standards viewpoint, using the original

INCOSE SYSTEMS ENGINEERING HANDBOOK

A GUIDE FOR SYSTEM LIFE CYCLE PROCESSES AND ACTIVITIES

John Wiley & Sons A detailed and thorough reference on the discipline and practice of systems engineering The objective of the International Council on Systems Engineering (INCOSE) Systems Engineering Handbook is to describe key process activities performed by systems engineers and other engineering professionals throughout the life cycle of a system. The book covers a wide range of fundamental system concepts that broaden the thinking of the systems engineering practitioner, such as system thinking, system science, life cycle management, specialty engineering, system of systems, and agile and iterative methods. This book also defines the discipline and practice of systems engineering for students and practicing professionals alike, providing an authoritative reference that is acknowledged worldwide. The latest edition of the INCOSE Systems Engineering Handbook: Is consistent with ISO/IEC/IEEE 15288:2015 Systems and software engineering—System life cycle processes and the Guide to the Systems Engineering

Body of Knowledge (SEBoK) Has been updated to include the latest concepts of the INCOSE working groups Is the body of knowledge for the INCOSE Certification Process This book is ideal for any engineering professional who has an interest in or needs to apply systems engineering practices. This includes the experienced systems engineer who needs a convenient reference, a product engineer or engineer in another discipline who needs to perform systems engineering, a new systems engineer, or anyone interested in learning more about systems engineering.

PROJECT MANAGEMENT, PLANNING AND CONTROL

MANAGING ENGINEERING, CONSTRUCTION AND MANUFACTURING PROJECTS TO PMI, APM AND BSI STANDARDS

Butterworth-Heinemann A comprehensive book on project management, covering all principles and methods with fully worked examples, this book includes both hard and soft skills for the engineering, manufacturing and construction industries. Ideal for engineering project managers considering obtaining a Project Management Professional (PMP) qualification, this book covers in theory and practice, the complete body of knowledge for both the Project Management Institute (PMI) and the Association of Project Management (APM). Fully aligned with the latest 2005 updates to the exam syllabi, complete with online sample Q&A, and updated to include the latest revision of BS 6079 (British Standards Institute Guide to Project Management in the Construction Industry), this book is a complete and valuable reference for anyone serious about project management. â€¢The complete body of knowledge for project management professionals in the engineering, manufacturing and construction sectors â€¢Covers all hard and soft topics in both theory and practice for the newly revised PMP and APMP qualification exams, along with the latest revision of BS 6079 standard on project management in the construction industry â€¢Written by a qualified PMP exam accreditor and accompanied by online Q&A resources for self-testing

DOCUMENT CONTROL

LIFECYCLE AND THE GOVERNANCE CHALLENGE

Createspace Independent Publishing Platform This book presents nine chapters covering essential topics in document control. It provides important insights into document control principles, processes and practices. It addresses strategic issues as well as daily governance challenges in document control, and provides practical advice on a number of topics including project document control.

PRACTICE STANDARD FOR PROJECT CONFIGURATION MANAGEMENT

Project Management Institute Most projects present teams with challenges relating to time, cost and scope. Careful management of these project elements allows projects to be completed successfully. In order to guide a project's direction, project managers utilize the process of configuration management. Project configuration management is the collective body of processes, activities, tools, and methods used

to manage certain items during the project lifecycle. Configuration management is implemented to actively guide the direction of the project and support communication that will facilitate successful completion. Due to the increasing complexity of projects and greater competition among companies, the knowledge of configuration management techniques is more important than ever.

CONFIGURATION MANAGEMENT PRINCIPLES AND PRACTICE

Addison-Wesley Professional Configuration management (CM) is frequently misunderstood. This discipline is growing in popularity because it allows project participants to better identify potential problems, manage change, and efficiently track the progress of a software project. This book gives the reader a practical understanding of the complexity and comprehensiveness of the discipline.

CONFIGURATION MANAGEMENT

THEORY, PRACTICE, AND APPLICATION

CRC Press Configuration Management: Theory, Practice, and Application details a comprehensive approach to configuration management from a variety of product development perspectives, including embedded and IT. It provides authoritative advice on how to extend products for a variety of markets due to configuration options. The book also describes the importance

HANDBOOK OF MANUFACTURING CONTROL

FUNDAMENTALS, DESCRIPTION, CONFIGURATION

Springer Science & Business Media Unternehmen mit kurzen Lieferzeiten, hoher Liefertreue und niedrigen Beständen wachsen schnell und erzielen hohe Gewinne. Wie Unternehmen diese logistische Herausforderung meistern können, zeigt das Buch anhand von aktuellen Forschungsergebnissen der Leibniz Universität Hannover. Der Band gibt einen umfassenden Überblick über die Aufgaben und Verfahren der Fertigungssteuerung und befähigt Leser dazu, Schwächen in diesem Bereich zu erkennen und zu korrigieren. Ein fundiertes Nachschlagewerk für Studierende, Dozenten, Ingenieure und Wissenschaftler.

SOFTWARE CONFIGURATION MANAGEMENT IMPLEMENTATION ROADMAP

John Wiley & Sons SCM practices are recognised as core functional areas in assisting a project team to identify, control, audit, and report on all configuration items of a project. Consequently they are then better able to control changes to the working environment. Moreira presents a totally unique book, offering a "how-to" guide for SCM implementation for commercial and technology fields. A thoroughly practical approach; this guide includes examples and instruction of SCM tasks. This book has an easy to follow set of tasks that can be customized to assist a SCM professional in implementing SCM in a more efficient and expedient manner while also imparting SCM knowledge. Provides a customisable step-by-step process in implementing SCM

Discusses typical SCM activities at project level and includes source control, change control, problem management, etc. An accompanying website contains templates, procedures and other materials to aid understanding and encourage the practical applications of the material discussed throughout www.wiley.com/go/moreira_software/ Anyone who has to implement SCM in his/her company at every level will need this book and find its practical approach useful

ANTIPATTERNS AND PATTERNS IN SOFTWARE CONFIGURATION MANAGEMENT

John Wiley & Sons Incorporated Introduction to patterns and antipatterns. The nature of a patterns: a brief tutorial. The lost disciplines: a system engineering perspective. The father of all management antipatterns. software engineering antipatterns and patterns. Software configuration management pattern and antipatterns. Management and process patterns and antipatterns. Requirements and testing patterns and antipatterns. Conclusions and resources.

ENGINEERING DOCUMENTATION CONTROL HANDBOOK

Elsevier

MISSION-CRITICAL AND SAFETY-CRITICAL SYSTEMS HANDBOOK

DESIGN AND DEVELOPMENT FOR EMBEDDED APPLICATIONS

Newnes This handbook provides a consolidated, comprehensive information resource for engineers working with mission and safety critical systems. Principles, regulations, and processes common to all critical design projects are introduced in the opening chapters. Expert contributors then offer development models, process templates, and documentation guidelines from their own core critical applications fields: medical, aerospace, and military. Readers will gain in-depth knowledge of how to avoid common pitfalls and meet even the strictest certification standards. Particular emphasis is placed on best practices, design tradeoffs, and testing procedures. *Comprehensive coverage of all key concerns for designers of critical systems including standards compliance, verification and validation, and design tradeoffs *Real-world case studies contained within these pages provide insight from experience

THE REQUIREMENTS ENGINEERING HANDBOOK

Artech House Gathering customer requirements is a key activity for developing software that meets the customer's needs. A concise and practical overview of everything a requirement's analyst needs to know about establishing customer requirements, this first-of-its-kind book is the perfect desk guide for systems or software development work. The book enables professionals to identify the real customer requirements for their projects and control changes and additions to these requirements. This unique resource helps practitioners understand the importance of requirements, leverage effective requirements practices, and better utilize resources. The book also explains how to strengthen interpersonal relationships and

communications which are major contributors to project effectiveness. Moreover, analysts find clear examples and checklists to help them implement best practices.

GUIDE TO THE SOFTWARE ENGINEERING BODY OF KNOWLEDGE (SWEBOK(R))

VERSION 3.0

In the Guide to the Software Engineering Body of Knowledge (SWEBOK(R) Guide), the IEEE Computer Society establishes a baseline for the body of knowledge for the field of software engineering, and the work supports the Society's responsibility to promote the advancement of both theory and practice in this field. It should be noted that the Guide does not purport to define the body of knowledge but rather to serve as a compendium and guide to the knowledge that has been developing and evolving over the past four decades. Now in Version 3.0, the Guide's 15 knowledge areas summarize generally accepted topics and list references for detailed information. The editors for Version 3.0 of the SWEBOK(R) Guide are Pierre Bourque (Ecole de technologie superieure (ETS), Universite du Quebec) and Richard E. (Dick) Fairley (Software and Systems Engineering Associates (S2EA)).

OCCUPATIONAL OUTLOOK HANDBOOK

MITRE SYSTEMS ENGINEERING GUIDE

CONFIGURATION MANAGEMENT BEST PRACTICES

PRACTICAL METHODS THAT WORK IN THE REAL WORLD (ADOBE READER)

Pearson Education Successfully Implement High-Value Configuration Management Processes in Any Development Environment As IT systems have grown increasingly complex and mission-critical, effective configuration management (CM) has become critical to an organization's success. Using CM best practices, IT professionals can systematically manage change, avoiding unexpected problems introduced by changes to hardware, software, or networks. Now, today's best CM practices have been gathered in one indispensable resource showing you how to implement them throughout any agile or traditional development organization. Configuration Management Best Practices is practical, easy to understand and apply, and fully reflects the day-to-day realities faced by practitioners. Bob Aiello and Leslie Sachs thoroughly address all six "pillars" of CM: source code management, build engineering, environment configuration, change control, release engineering, and deployment. They demonstrate how to implement CM in ways that support software and systems development, meet compliance rules such as SOX and SAS-70, anticipate emerging standards such as IEEE/ISO 12207, and integrate with modern frameworks such as ITIL, COBIT, and CMMI. Coverage includes Using CM to meet business objectives, contractual requirements, and compliance rules Enhancing quality and productivity through lean processes and "just-in-time" process improvement Getting off to a good start in organizations without effective CM

Implementing a Core CM Best Practices Framework that supports the entire development lifecycle Mastering the “people” side of CM: rightsizing processes, overcoming resistance, and understanding workplace psychology Architecting applications to take full advantage of CM best practices Establishing effective IT controls and compliance Managing tradeoffs and costs and avoiding expensive pitfalls Configuration Management Best Practices is the essential resource for everyone concerned with CM: from CTOs and CIOs to development, QA, and project managers and software engineers to analysts, testers, and compliance professionals.

FEDERAL INFORMATION SYSTEM CONTROLS AUDIT MANUAL (FISCAM)

DIANE Publishing FISCAM presents a methodology for performing info. system (IS) control audits of governmental entities in accordance with professional standards. FISCAM is designed to be used on financial and performance audits and attestation engagements. The methodology in the FISCAM incorp. the following: (1) A top-down, risk-based approach that considers materiality and significance in determining audit procedures; (2) Evaluation of entitywide controls and their effect on audit risk; (3) Evaluation of general controls and their pervasive impact on bus. process controls; (4) Evaluation of security mgmt. at all levels; (5) Control hierarchy to evaluate IS control weaknesses; (6) Groupings of control categories consistent with the nature of the risk. Illus.

CONFIGURATION MANAGEMENT AND PERFORMANCE VERIFICATION OF EXPLOSIVES-DETECTION SYSTEMS

National Academies Press This report assesses the configuration-management and performance-verification options for the development and regulation of commercially available Explosive Detection Systems (EDS) and other systems designed for detection of explosives. In particular, the panel authoring this report (1) assessed the advantages and disadvantages of methods used for configuration management and performance verification relative to the FAA's needs for explosives-detection equipment regulation, (2) outlined a "quality management program" that the FAA can follow that includes configuration management and performance verification and that will encourage commercial development and improvement of explosives-detection equipment while ensuring that such systems are manufactured to meet FAA certification requirements, and (3) outlined a performance-verification strategy that the FAA can follow to ensure that EDSs continue to perform at certification specifications in the airport environment.

FREEBSD HANDBOOK

Walnut Creek CDROM The FreeBSD Handbook is a comprehensive FreeBSD tutorial and reference. It covers installation, day-to-day use of FreeBSD, and mach more, such as the Ports collection, creating a custom kernel, security topics, the X Window System, how to use FreeBSD's Linux binary compatibility, and how to upgrade your system from source using the 'make world' command, to name a few.

RECENT ADVANCES IN INTEGRATED DESIGN AND MANUFACTURING IN MECHANICAL ENGINEERING

Elsevier This book presents recent advances in the integration and the optimization of product design and manufacturing systems. The book is divided into 3 chapters corresponding to the following three main topics : - optimization of product design process (mechanical design process, mass customization, modeling the product representation, computer support for engineering design, support systems for tolerancing, simulation and optimization tools for structures and for mechanisms and robots), -optimization of manufacturing systems (multi-criteria optimization and fuzzy volumes, tooth path generation, machine-tools behavior, surface integrity and precision, process simulation), - methodological aspects of integrated design and manufacturing (solid modeling, collaborative tools and knowledge formalization, integrating product and process design and innovation, robust and reliable design, multi-agent approach in VR environment). The present book is of interest to engineers, researchers, academic staff, and postgraduate students interested in integrated design and manufacturing in mechanical engineering.

HANDBOOK OF TOTAL QUALITY MANAGEMENT

Springer Science & Business Media Quality issues are occupying an increasingly prominent position in today's global business market, with firms seeking to compete on an international level on both price and quality. Consumers are demanding higher quality standards from manufacturers and service providers, while virtually all industrialized nations have instituted quality programs to help indigenous corporations. A proliferation in nation-wide and regional quality awards such as the Baldrige award and certification to ISO 9000 series are making corporations world-wide quality-conscious and eager to implement programs of continuous improvement. To achieve competitiveness, quality practice is a necessity and this book offers an exposition of how quality can be attained. The Handbook of Total Quality Management: Explores in separate chapters new topics such as re-engineering, concurrent engineering, ISO standards, QFD, the Internet, the environment, advanced manufacturing technology and benchmarking Discusses the views of leading quality practitioners such as Deming, Juran, Ishikawa, Crosby and Taguchi throughout the book Considers important strategies for quality improvement, including initiation and performance evaluation through auditing, re-engineering, and process and design innovations. With contributions from 47 authors in 13 different countries, the Handbook of Total Quality Management is invaluable as a reference guide for anyone involved with quality management and deployment, including consultants, practitioners and engineers in the professional sector, and students and lecturers of information systems, management and industrial engineering.

SOFTWARE CONFIGURATION MANAGEMENT GUIDEBOOK

McGraw-Hill The benefits of cost and efficiency to be gained from the careful management of software projects and the widespread implementation of the ISO

9000 quality standards have led to the emergence of the discipline of configuration management. This is now widely recognized as the most effective means of understanding and monitoring the processes and changes which occur during the evolution of a product or system. The Software Configuration Management Guidebook is a timely introduction to this important area for the software practitioner. Written by an international software quality expert, this book is intended as a practical guide for direct implementation of the principles discussed. Software configuration management (SCM) is clearly broken down into the four main stages of identification, control, status accounting and auditing. Sample plans and an analysis of tools, techniques and methodologies are provided and both 'project' and 'corporate-wide' schemes are examined in some depth. Illustrative case studies are included and international standards are referred to throughout. In addition to the guide itself, this book offers a wealth of additional material to aid implementation, such as sample forms, worksheets and checklists for a SCM course. The complete package is an authoritative source of information and examples for any software professional taking the important step towards a software configuration management scheme. Special features include: represents a whole package for practical and fast implementation of software configuration management programmes; provides checklists, templates and sample forms; principles clearly illustrated by two major case studies and many smaller examples; includes bibliography and list of standards for further reference.