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The Handbook of Project Management Mar 04 2020 Written by an experienced practitioner, The Handbook of Project Management will be particularly useful for those starting a new project, wishing to acquire new skills, or training others in project managment skills. It is written specifically to help project managers improve their performance using tried and tested techniques. Packed with concepts and processes, tools and presentation materials, this comprehensive handbook will assist anyone responsible for converting strategy into reality. The package comprises a book plus free CD-ROM containing a collection of tools, templates, and procedures which support the methodology used in the book.

Simulation Techniques Sep 21 2021 The design of communication systems has grown too complicated for the traditional design tools--mathematical analysis and laboratory breadboards. Enter the computer simulation, a powerful and versatile tool that is becoming essential for anyone who designs signal transmission or storage systems. This volume explains in detail how to use simulation programs as a software breadboard to analyze and evaluate the performance of data communications links. It describes the engineering principles of signal transmission and its simulation, explores programming issues, and provides a comprehensive reference for models of signal processes. The book clearly demonstrates how simulation techniques can be used to: * Create valid models of signal processes * Provide exibility through the use of modules * Simulate various elements of communications systems, from filters and modulators to test instruments * Explore alternative models for a given system * Circumvent the mathematical intractability of modern transmission links * Plan and construct a computer model in a matter of hours or days, versus the weeks or months needed for laboratory breadboards * Make parameter changes in minutes once a link has been modeled * Provide engineers and students with complete training on the elements of simulation A must have for designers, practicing engineers, and graduate students, this volume presents real-world techniques that can be used with the authors' ST?DT program (a companion work also published by Wiley), or independently with other commercially available simulators.

The Process Auditing Techniques Guide, Second Edition Apr 16 2021 In this pocket guide, best-selling author J.P. Russell focuses on the methods and techniques of conducting internal and external process audits. Learn how to evaluate process controls, use process flow, turtle, spider and tree diagrams, verify process conformity and effectiveness, and compose an audit report assessing compliance, controls, risk and process optimization. This guide is ideal for individuals who have a general understanding of auditing techniques and is written for auditors who conduct first-, second-, and third-party audits to any standard or work instruction.

Patents, Processes, Techniques and Inventions Apr 28 2022

Accelerating Process Improvement Using Agile Techniques Sep 09 2020 Accelerating Process Improvement Using Agile Techniques explains how agile programming is applied to standard process improvement. By applying agile techniques, IT organizations can speed up process improvement initiatives, minimize the resources these initiatives require, and maximize the benefits of process improvement. The book details step-by-step how to implement the Accelerating Process Improvement Methodology (APIM) and how to integrate APIM with various standard process improvement models and methodologies, including the ISO 9000 series, SPICE, TQM, SPIRE, PMBOK, and CMM/CMMI. Agile process improvement enables organizations to rapidly set strategic goals, meet a greater percentage of user requirements, and realize a quicker return on investment. About the Author Deb Jacobs is a Professional Consultant with Focal Point Associates specializing in process improvement and project management. She currently provides support to organizations in training, process improvement consulting, project management consulting, software engineering consulting, and proposal development. Ms. Jacobs has over 25 year's in project management, process improvement management, system/software engineering, and proposal development with a BS in Computer Science.

Jill Enfield's Guide to Photographic Alternative Processes Feb 12 2021 Jill Enfield's Guide to Photographic Alternative Processes, 2nd edition, is packed with stunning imagery, how-to recipes, techniques and historical information for emulating the ethereal, dream-like feel of alternative processing. This fully updated edition covers alternative processing from its historical roots through to digital manipulation and contemporary techniques and how to combine them. It features several new techniques alongside new approaches to older techniques, including hand painting on silver gelatin prints, ceramics and photography, cyanotypes, wet plate collodion, digital prints and many more. Enfield showcases the different styles and methods of contemporary artists together with suggestions for vegan and vegetarian friendly alternative processing, transforming 2D images to 3D installations, and how to apply darkroom techniques to digital captures. Professionals, students and hobbyists will discover how to bring new life and imagination to their imagery. Whether in a darkroom using traditional chemicals, at the kitchen sink with pantry staples, or in front of the computer re-creating techniques digitally, you will learn how to add a richness and depth to your photography like never before.

Techniques, Tools and Methodologies Applied to Quality Assurance in Manufacturing Jan 26 2022 This book presents a collection of real cases from industrial practices that production system and quality managers implement to ensure a high quality as well as a low cost in products. This book is divided in sections that are focused on: · The quality and philosophies implemented to production systems; starting from the product design as well as from the supply system. · The principal statistical techniques applied to the quality assurance (statistical quality control, analysis of tests and failure, quality function deployment, accelerated life tests, among others), the process of gathering information, its validation, its reliability process, and techniques for data analysis. · The techniques applied to the integration of human resources in the process of quality assurance, such as managers and operators' participation, training, and training processes. · Use of information and communications technologies, software, and programs implemented to guarantee the quality of the products in the production systems. ISO standards and policies that are used for quality management and monitoring.

Quality Engineering Techniques Aug 09 2020 In today's industrial and complex world, the progress of change is incredible. The amount of information which needs to be analyzed is very large and time has become more and more limited. Industries and firms of all sizes desire to increase productivity and sustainability to keep their competitive edge in the marketplace. One of the best tools for achieving this is the application of Quality Engineering Techniques (QET). This book will introduce the integrated model and the numerical applications for implementing it.

Agile Estimation Techniques and Innovative Approaches to Software Process Improvement Oct 11 2020 Applying methodologies of Software Process Improvement (SPI) is an effective way for businesses to remain competitive in the software industry. However, many organizations find implementing software process initiatives challenging. Agile Estimation Techniques and Innovative Approaches to Software Process Improvement reviews current SPI techniques and applications through discussions on current and future trends as well as the presentation of case studies on SPI implementation. Ideal for use by academics, students, and policy-makers, as well as industry professionals and managers, this publication provides a complete overview of current tools and methodologies regarding Software Process Improvement.

Requirements Engineering Dec 05 2022 Requirements Engineering Processes and Techniques Why this book was written The value of introducing requirements engineering to trainee software engineers is to equip them for the real world of software and systems development. What is involved in Requirements Engineering? As a discipline, newly emerging from software engineering, there are a range of views on where requirements engineering starts and finishes and what it should encompass. This book offers the most comprehensive coverage of the requirements

engineering process to date - from initial requirements elicitation through to requirements validation. How and Which methods and techniques should you use? As there is no one catch-all technique applicable to all types of system, requirements engineers need to know about a range of different techniques. Tried and tested techniques such as data-flow and object-oriented models are covered as well as some promising new ones. They are all based on real systems descriptions to demonstrate the applicability of the approach. Who should read it? Principally written for senior undergraduate and graduate students studying computer science, software engineering or systems engineering, this text will also be helpful for those in industry new to requirements engineering. Accompanying Website: http: //www.comp.lancs.ac.uk/computing/resources/re Visit our Website: http://www.wiley.com/college/wws

Therapeutic Recreation Jul 20 2021 Presents an evidence-based approach to therapeutic recreation. This book addresses the actual practice of TR using practical examples and learning exercises. It covers examples in both theory and implications and is intended for students and practitioners.

Root Cause Analysis Aug 28 2019 Do you have recurring problems that are costing you time and money? Unresolved problems do more than aggravate. They can increase costs, lower quality, and drive customers away. Plus, quality management processes, such as ISO 9001, require organizations to have a corrective and preventive action process in place. Root cause analysis is integral to the success of any corrective action or problem-solving process.Unfortunately, root cause analysis is an often maligned, misunderstood, and misapplied process. Instead of viewing root cause analysis as an opportunity for improvement, many see it only as admission that things have gone wrong. Root cause analysis should be seen as an opportunity, not a chore.This practical guide offers proven techniques for using root cause analysis in your organization. Inside, you'll find: * What root cause analysis is* When (and when not) to use root cause analysis* Who should participate in the root cause analysis process* Tools and techniques to aid in the root cause analysis process* How to construct a root cause analysis checklist* Examples of how a well-run root cause analysis process work

Therapeutic Recreation Processes and Techniques, 8th Ed Mar 16 2021 An extensive and up-to-date treatment on the topic of recreational therapy, the eighth edition of Therapeutic Recreation Processes and Techniques: Evidence-Based Recreational Therapy continues to focus on the practice of recreational therapy, with a philosophy of practice that has been consistent since the first edition in 1982. Like prior editions, this new edition attempts to offer a theory-based, evidence-based, client-centered approach to practice, offering many new references and an expanded discussion of facilitation techniques. This edition also emphasizes aspects of practice rated as critical in recreational therapy and offers information on recreational therapy topics such as the helping relationship, leadership, communication skills, and clinical supervision.

Multiple-Criteria Decision-Making (MCDM) Techniques for Business Processes Information Management Jun 30 2022 Information management is a common paradigm in modern decision-making. A wide range of decision-making techniques have been proposed in the literature to model complex business processes. In this Special Issue, 16 selected and peer-reviewed original research articles contribute to business information management in various current real-world problems by proposing crisp or uncertain multiple-criteria decision-making (MCDM) models and techniques, mostly including multi-attribute decision-making (MADM) approaches in addition to a single paper proposing an interactive multi-objective decision-making (MODM) approach. The papers are mainly concentrated in three application areas: supplier selection and rational order allocation, the evaluation and selection of goods or facilities, and personnel selection/partner selection. A number of new approaches are proposed that are expected to attract great interest from the research community.

Subcontractor's Operations Manual Apr 04 2020

Strategy and Business Process Management Oct 23 2021 This book prepares readers to master an IT and managerial discipline quickly gaining momentum in organizations of all sizes - Business Process Management (BPM). It describes how BPM treats processes as a portfolio of strategic assets that create and deliver customer and shareholder value and adapt, when necessary, enabling competitive advantage thr

Chemical Process Retrofitting and Revamping May 06 2020 The proposed book will be divided into three parts. The chapters in Part I provide an overview of certain aspect of process retrofitting. The focus of Part II is on computational techniques for solving process retrofit problems. Finally, Part III addresses retrofit applications from diverse process industries. Some chapters in the book are contributed by practitioners whereas others are from academia. Hence, the book includes both new developments from research and also practical considerations. Many chapters include examples with realistic data. All these feature make the book useful to industrial engineers, researchers and students.

Process Techniques for Engineering High-Performance Materials Oct 03 2022 Most processed materials retain a memory of their production process at the molecular level. Subtle changes in production—such as variations in temperature or the presence of impurities—can impart performance benefits or drawbacks to individual batches of products. Some product developers have taken advantage of this process dependency to tailor properties to specific customer needs. In other cases, poorly engineered processes have resulted in serious failures. Process Techniques for Engineering High-Performance Materials explores practical strategies to guide you in systematically developing, improving, and producing engineered materials. The book describes an R&D approach that is common to many material types, from polymers, biochemicals, metal alloys, and composites to coatings, ceramics, elastomers, and processed foods. Throughout, hundreds of examples illustrate successes and disasters in the history of materials development. These examples clearly show how product management and development tactics are constrained by the nature of the production process and the strategy of the company. The author offers practical advice on how to: Foster creativity in an industrial environment and avoid factors that unintentionally suppress technical innovation Develop products when the properties of the product are highly dependent on processing variables Avoid the inevitable scale-up problems that occur on process-dependent materials Get the most out of expensive trial work in a production plant environment Combine products into a systems solution to customer problems Highlighting important rules for product development, this book helps you better understand the mechanics of engineering processed materials and how to adjust your processes to improve performance.

High Availability Jun 18 2021 A best practices guide tothe people and process issues associated with maximizing application availability. Focus is on how enterprises can design systems that are easier to maintain.

Analytical and Diagnostic Techniques for Semiconductor Materials, Devices and Processes May 18 2021

Handbook of Research on Complex Dynamic Process Management: Techniques for Adaptability in Turbulent Environments May 30 2022 Investigates the nature and history of dynamic processes essential to understanding the need for flexibility and adaptability as well as the requirements to improve solutions.

Modeling and Simulation Techniques for Improved Business Processes Oct 30 2019 "This book explores how modeling and simulation can be applied to provide value in business and presents practical examples. It shows the possibility of studying innovation and technology management through applying modeling and simulation methods and how system dynamics, agent-based modeling approaches are adopted to investigate the dynamics of new product development projects, innovation, and technological change"--

Speech Production Dec 01 2019 Speech Production: Models, Phonetic Processes and Techniques brings together researchers from many different disciplines - computer science, dentistry, engineering, linguistics, phonetics, physiology, psychology - all with a special interest in how speech is produced. From the initial neural program to the end acoustic signal, it provides an overview of several dominant models in the speech production literature, as well as up-to-date accounts of persistent theoretical issues in the area. A particular focus is on the evaluation of information gleaned from instrumental investigations of the speech production process, including MRI, PET, ultra-sound, video-imaging, EMA, EPG, X-ray, computer simulation - and many others. The research presented in this volume considers questions such as: the feed-back vs. feed-forward control of speech; the acoustic/auditory vs. articulatory/somato-sensory domains of speech planning; the innateness of human speech; the possible architecture of a speech production model; and the realization of prosodic structure in speech. Leaders in speech research from

around the world have contributed their most recent work to this volume.
Theory of Particulate Processes Dec 13 2020 Theory of Particulate Processes: Analysis and Techniques of Continuous Crystallization, Second Edition covers the numerous population balance-based particulate studies. This edition emerged from the notes for an industrial short course on crystallization. This book is divided into 10 chapters and begins with an outline of the methods for representation of particle distributions and a systematic approach to the predictive modeling of processes where there is a need to characterize distributions in time and space and by some identifying property. The succeeding chapters provide a specific and more elementary approach to modeling crystal size distributions, as well as the modeling the kinetics of crystal nucleation and growth rates. Other chapters discuss a wide range of system analysis and design considerations specific to crystallization for both the steady state and unsteady state. The final chapters illustrate the use of a population balance analysis to interpret data from both laboratory and process equipment. These chapters also explore a wide variety of particulate processes and systems for which the population balance analysis is useful. This book is of great value to graduate students with particulate systems course.
New Horizons in Standardized Work Nov 11 2020 Enabling management to verify that processes are being performed correctly and in an efficient manner, standardized work provides limitless opportunities for process improvements. So much so, that it has become a vital component of improvement efforts in Lean enterprise systems.New Horizons in Standardized Work: Techniques for Manufacturing and Bus
Software Testing and Analysis Nov 23 2021 Teaches readers how to test and analyze software to achieve an acceptable level of quality at an acceptable cost Readers will be able to minimize software failures, increase quality, and effectively manage costs Covers techniques that are suitable for near-term application, with sufficient technical background to indicate how and when to apply them Provides balanced coverage of software testing & analysis approaches By incorporating modern topics and strategies, this book will be the standard software-testing textbook
Managing Technology-Based Projects Dec 25 2021 A GUIDE TO EFFECTIVE PROJECT MANAGEMENT IN TECHNOLOGY-BASED FIRMS Used effectively, project management can increase a firm’s market share, product quality, and customer satisfaction. Though technology-based companies place themselves at a competitive disadvantage if they neglect this strategic tool, many overlook project management’s benefits because they see themselves as continuously adapting organizations. In reality, this role makes project management even more vital. Managing Technology-Based Projects imparts the latest approaches and tools essential to lead a successful technology-based project. It outlines the practical integration of project management with four key areas: strategic alignment of projects within the enterprise, the project management process and its organizational support system, invaluable tools and techniques, and the individual and group leadership within a project’s organization. Complete with examples of industrial applications, the book includes: Methods for defining key performance indicators and assessing project management process effectiveness Suggestions for fine-tuning and continuous improvement Practical case scenarios, discussion topics, end-of-chapter reviews, and exercises Attention to project management as it applies to a globalized business No one in a managerial role should be without Thamhain’s expert advice. This guidebook is your road map to successfully incorporating enterprise project management into technology-based work.
Essential Elements of Career Counseling Feb 24 2022 This accessible look at "how to do career counseling" clearly defines the profession and the competencies counselors need to pursue as part of their training. Straightforward and accessible, "Essential Elements of Career Counseling" focuses on the practice of career counseling, examined through the basic techniques and resources useful in supporting the theories of career choice and development. The use of the Internet as a career counseling tool is emphasized; emerging issues such as Web-based counseling are explored; and case studies illustrate authentic counseling strategies and techniques in action. This edition features a new look at such areas as using group counseling methods in job searches and using the resume to inspire the development of career stories, providing a highly practical look at the practice of career counseling today.
Empirical Process Techniques for Dependent Data Mar 28 2022 Empirical process techniques for independent data have been used for many years in statistics and probability theory. These techniques have proved very useful for studying asymptotic properties of parametric as well as non-parametric statistical procedures. Recently, the need to model the dependence structure in data sets from many different subject areas such as finance, insurance, and telecommunications has led to new developments concerning the empirical distribution function and the empirical process for dependent, mostly stationary sequences. This work gives an introduction to this new theory of empirical process techniques, which has so far been scattered in the statistical and probabilistic literature, and surveys the most recent developments in various related fields. Key features: A thorough and comprehensive introduction to the existing theory of empirical process techniques for dependent data * Accessible surveys by leading experts of the most recent developments in various related fields * Examines empirical process techniques for dependent data, useful for studying parametric and non-parametric statistical procedures * Comprehensive bibliographies * An overview of applications in various fields related to empirical processes: e.g., spectral analysis of time-series, the bootstrap for stationary sequences, extreme value theory, and the empirical process for mixing dependent observations, including the case of strong dependence. To date this book is the only comprehensive treatment of the topic in book literature. It is an ideal introductory text that will serve as a reference or resource for classroom use in the areas of statistics, time-series analysis, extreme value theory, point process theory, and applied probability theory. Contributors: P. Ango Nze, M.A. Arcones, I. Berkes, R. Dahlhaus, J. Dedecker, H.G. Dehling,
Process Analytics Sep 02 2022 This book starts with an introduction to process modeling and process paradigms, then explains how to query and analyze process models, and how to analyze the process execution data. In this way, readers receive a comprehensive overview of what is needed to identify, understand and improve business processes. The book chiefly focuses on concepts, techniques and methods. It covers a large body of knowledge on process analytics – including process data querying, analysis, matching and correlating process data and models – to help practitioners and researchers understand the underlying concepts, problems, methods, tools and techniques involved in modern process analytics. Following an introduction to basic business process and process analytics concepts, it describes the state of the art in this area before examining different analytics techniques in detail. In this regard, the book covers analytics over different levels of process abstractions, from process execution data and methods for linking and correlating process execution data, to inferring process models, querying process execution data and process models, and scalable process data analytics methods. In addition, it provides a review of commercial process analytics tools and their practical applications. The book is intended for a broad readership interested in business process management and process analytics. It provides researchers with an introduction to these fields by comprehensively classifying the current state of research, by describing in-depth techniques and methods, and by highlighting future research directions. Lecturers will find a wealth of material to choose from for a variety of courses, ranging from undergraduate courses in business process management to graduate courses in business process analytics. Lastly, it offers professionals a reference guide to the state of the art in commercial tools and techniques, complemented by many real-world use case scenarios.
Process Mining Techniques in Business Environments Nov 04 2022 After a brief presentation of the state of the art of process-mining techniques, Andrea Burratin proposes different scenarios for the deployment of process-mining projects, and in particular a characterization of companies in terms of their process awareness. The approaches proposed in this book belong to two different computational paradigms: first to classic "batch process mining," and second to more recent "online process mining." The book encompasses a revised version of the author's PhD thesis, which won the "Best Process Mining Dissertation Award" in 2014, awarded by the IEEE Task Force on Process Mining.
Techniques for Business Process Redesign Jan 02 2020 The businesses that survive and prosper in the 1990s and beyond will be those that can change and adapt both quickly and efficiently. Techniques for Business Process Redesign is the first book written for business and information systems managers that identifies the many varieties of reengineering

concepts, explains their similarities and differences, and shows how to successfully undertake a redesign project. You'll get a clear picture of the options available to you: software reengineering, business engineering, information engineering, systems analysis, and work flow analysis. With the in-depth information and practical advice offered in this book, you'll be able to select, design, and implement a customized reengineering project that's right for your business. Discusses technologies that can help in the redesign process, such as imaging, multi-media, and the Internet Details what you need to know to get started—including modeling techniques, data flow diagrams, and entity relationship diagrams Addresses the issues and concerns that will be raised by staff and management Outlines possible pitfalls and gives suggestions on how to avoid or overcome them Covers what to do after a reengineering project—how to monitor, evaluate, and continually improve your business process redesign effort

Patents, Processes, Techniques and Inventions Aug 21 2021

The Strategic Designer Sep 29 2019 The design profession has been asking itself some important questions lately. How do designers deal with the increasing complexity of design problems? What skills do designers need to be competitive in the future? How do designers become co-creators with clients and audiences? How do designers prove their value to business? Designers are looking for ways to stay competitive in the conceptual economy and address the increasing complexity of design problems. By adopting a process that considers collaboration, context and accountability, designers move from 'makers of things' to 'design strategists.' The Strategic Designer shows designers how to build strong client relationships, elevate their standing with clients, increase project success rates, boost efficiency and enhance their creativity.

Designing Complex Products with Systems Engineering Processes and Techniques Jan 06 2023 This book looks at how to design complex products that have many components with intricate relationships and requirements. It also discusses how to manage processes involved in their lifecycle, from concept generation to disposal, with the objectives of increasing customer satisfaction, quality, safety, and usability and meeting program timings and budgets. Part I covers systems engineering concepts, issues, and bases in product design. Part II examines quality, human factors, and safety engineering approaches. Part III describes important tools and methods used in these fields, and Part IV includes other relevant integration topics, interesting applications of useful techniques, and observations from a few "landmark" product development case studies.

Photography Beyond Technique: Essays from F295 on the Informed Use of Alternative and Historical Photographic Processes Jul 08 2020 Photography is not dying and has not died. It has been an ever-changing medium since its earliest days, and while near-obsession with the technology of the day may have defined photography over the course of its existence, photography is so much more than hardware and software. Photography is communication, whether chemical or digital, tangible or ephemeral in form. Photography Beyond Technique is a compelling selection of essays and images that reveal the thoughts and methods of some of today’s most exciting contemporary photographers. These artists employ alternative, historical, or handmade processes and techniques, and they share a comprehensive view of the medium: that the choice of photographic process is just as important as the selection of subjects. While other books concentrate solely on process, or theory, or artistic intent, none focus on photography in which these decisions are considered inseparable. These 20 essays, originally presented at the annual F295 symposium and seminar series, provide a thought-provoking read for anyone interested in photography as an art form and as a medium through which to view the world. Includes: "Looking Backward, Seeing Forward: Reframing Visual History" by Robert Hirsch "Mystery, Memory, and Narrative" by Martha Casanave "Finding Confidence: Combining Process with Purpose" by Mark Osterman "Photograph, Material, and Metaphor" by Jerry Spagnoli

Project Risk Management Aug 01 2022 Based on sound conceptual foundations yet developed to meet practical concerns, Project Risk Management has become recognized as a standard work on its subject. It sets out the key issues and concepts involved in effective risk and uncertainty management in a clear and accessible way, providing a comprehensive discussion of risk management processes set firmly in the context of the project management task as a whole and focused on improving performance.

The Future of Sales Feb 01 2020 From bestselling author John Asher comes a breakthrough guide on how to connect with the burnt out buyer using both new iterations of his proven neuroscience sales techniques as well as groundbreaking techniques to address the new business landscape. Focusing on both internal and external variables, The Future of Sales explores how to make a sale, grow your company, and comfort your client in times of uncertainty and change. Using the same scientific strategies that John Asher and his team created to break down The Neuroscience of Selling, The Future of Sales arms readers with techniques that are proven to once again explore the way that buyers buy, instinctually, so you can make a sale... this time exploring sales in times of great change, companies in crisis, and buyers who are in new (virtual) environments.

Modelling Techniques for Business Process Re-engineering and Benchmarking Jan 14 2021 Today enterprises must strive to improve their competitiveness in a changing environment. To reach this objective it is necessary for companies to evaluate their performances and to combine modelling, business process re-engineering and benchmarking techniques. This book demonstrates the successful combination and implementation of these various techniques.

Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques Jun 06 2020 Stock management and control is a critical element to the success and overall financial well-being of an organization. Through the application of innovative practices and technology, businesses are now able to effectively monitor their operations and manage their inventory by evaluating sales patterns and customer preferences. The Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques is a critical scholarly resource that examines optimization techniques, data mining concepts, and genetic algorithms to manage inventory control. Featuring coverage on a broad range of topics such as logistics and supply chain management, stochastic inventory modelling, and inventory management in healthcare, this book is geared towards academicians, practitioners, and researchers seeking various research methods to get optimal ordering policy.