

Iata Intelligence Statistics

This book sheds light on aviation security, considering both technologies and legal principles. It considers the protection of individuals in particular their rights to privacy and data protection and raises aspects of international law, human rights and data security, among other relevant topics. Technologies and practices which arise in this volume include body scanners, camera surveillance, biometrics, profiling, behaviour analysis, and the transfer of air passenger personal data from airlines to state authorities. Readers are invited to explore questions such as: What right to privacy and data protection do air passengers have? How can air passenger rights be safeguarded, whilst also dealing appropriately with security threats at airports and in airplanes? Chapters explore these dilemmas and examine approaches to aviation security which may be transferred to other areas of transport or management of public spaces, thus making the issues dealt with here of paramount importance to privacy and human rights more broadly. The work presented here reveals current processes and tendencies in aviation security, such as globalization, harmonization of regulation, modernization of existing data privacy regulation, mechanisms of self-regulation, the growing use of Privacy by Design, and improving passenger experience. This book makes an important contribution to the debate on what can be considered proportionate security, taking into account concerns of privacy and related human rights including the right to health, freedom of movement, equal treatment and non-discrimination, freedom of thought, conscience and religion, and the rights of the child. It will be of interest to graduates and researchers in areas of human rights, international law, data security and related areas of law or information science and technology. I think it will also be of interest to other categories (please see e.g. what the reviewers have written) "I think that the book would be of great appeal for airports managing bodies, regulators, Civil Aviation Authorities, Data Protection Authorities, air carriers, any kind of security companies, European Commission Transport Directorate, European Air Safety Agency (EASA), security equipment producers, security agencies like the US TSA, university researchers and teachers." "Lawyers (aviation, privacy and IT lawyers), security experts, aviation experts (security managers of airports, managers and officers from ANSPs and National Aviation Authorities), decision makers, policy makers (EASA, EUROCONTROL, EU commission)"

Two leaders in the field offer a compelling analysis of the current state of the art and reveal the steps we must take to achieve a truly robust artificial intelligence. Despite the hype surrounding AI, creating an intelligence that rivals or exceeds human levels is far more complicated than we have been led to believe. Professors Gary Marcus and Ernest Davis have spent their careers at the forefront of AI research and have witnessed some of the greatest milestones in the field, but they argue that a computer beating a human in Jeopardy! does not signal that we are on the doorstep of fully autonomous cars or superintelligent machines. The achievements in the field thus far have occurred in closed systems with fixed sets of rules, and these approaches are too narrow to achieve genuine intelligence. The real world, in contrast, is wildly complex and open-ended. How can we bridge this gap? What will the consequences be when we do? Taking inspiration from the human mind, Marcus and Davis explain what we need to advance AI to the next level, and suggest that if we are wise along the way, we won't need to worry about a future of machine overlords. If we focus on endowing machines with common sense and deep understanding, rather than simply focusing on statistical analysis and gathering ever larger collections of data, we will be able to create an AI we can trust--in our homes, our cars, and our doctors' offices. Rebooting AI provides a lucid, clear-eyed assessment of the current science and offers an inspiring vision of how a new generation of AI can make our lives better.

The single European sky initiative promotes harmonisation of air traffic control procedures and operations throughout the airspace of the European Union Member States and their close neighbours. Removing the barriers which have historically fragmented European airspace will make air transport throughout Europe more efficient. The single sky puts in place a system with sufficient capacity and flexibility for the expected increases in traffic over the coming decades, while at the same time ensuring the highest possible safety standards throughout European skies. In early 2004, the European Union adopted a package of legislation setting out the route to achieving the single sky. The focus now moves to putting that into effect through detailed implementing rules. This brochure outlines the areas in which these rules are now being developed.

The current, thoroughly revised and updated edition of this approved title, evaluates information sources in the field of technology. It provides the reader not only with information of primary and secondary sources, but also analyses the details of information from all the important technical fields, including environmental technology, biotechnology, aviation and defence, nanotechnology, industrial design, material science, security and health care in the workplace, as well as aspects of the fields of chemistry, electro technology and mechanical engineering. The sources of information presented also contain publications available in printed and electronic form, such as books, journals, electronic magazines, technical reports, dissertations, scientific reports, articles from conferences, meetings and symposiums, patents and patent information, technical standards, products, electronic full text services, abstract and indexing services, bibliographies, reviews, internet sources, reference works and publications of professional associations. Information Sources in Engineering is aimed at librarians and information scientists in technical fields as well as non-professional information specialists, who have to provide information about technical issues. Furthermore, this title is of great value to students and people with technical professions.

The Infectious Disease Vulnerability Index is intended to inform actions for preparedness and response to infectious disease outbreaks and foster greater resiliency of national health systems worldwide.

In recent years much has happened to justify an examination of biological research in light of national security concerns. The destructive application of biotechnology research includes activities such as spreading common pathogens or transforming them into even more lethal forms. Policymakers and the scientific community at large must put forth a vigorous and immediate response to this challenge. This new book by the National Research Council recommends that the government expand existing regulations and rely on self-governance by scientists rather than adopt intrusive new policies. One key recommendation of the report is that the government should not attempt to regulate scientific publishing but should trust scientists and journals to screen their papers for security risks, a task some journals have already taken up. With biological information and tools widely distributed, regulating only U.S. researchers would have little effect. A new International Forum on Biosecurity should encourage the adoption of similar measures around the world. Seven types of risky studies would require approval by the Institutional Biosafety Committees that already oversee recombinant DNA research at some 400 U.S. institutions. These "experiments of concern" include making an infectious agent more lethal and rendering vaccines powerless.

TRB's Airport Cooperative Research Program (ACRP) Report 20: Strategic Planning in the Airport Industry explores

practical guidance on the strategic planning process for airport board members, directors, department leaders, and other employees; aviation industry associations; a variety of airport stakeholders, consultants, and other airport planning professionals; and aviation regulatory agencies. A workbook of tools and sequential steps of the strategic planning process is provided with the report as on a CD. The CD is also available online for download as an ISO image or the workbook can be downloaded in pdf format.

Airline Choices for the Future: From Alliances to Mergers offers an up-to-date assessment of the industry as it stands today, delivering a comprehensive insight into how the world of airline alliances is changing, and how the merger phenomenon is likely to fit into the new scenario. The purpose of this book is twofold. Firstly, it outlines the evolution and the reasons behind alliances between international air carriers, the alliances' track records and the way they have affected airlines and the air transport industry. Secondly, drawing on past and more recent developments in the industry, it examines the experiences airlines involved in cross-border mergers have gone through and the advantages and difficulties they have come across. Alliances and mergers are presented from both the airline and the consumer perspective. The book provides a balanced account of where mergers and alliances have taken the industry to date, bridging the gap between merger theory and implemented practices and strategies. It also identifies the challenges alliances and cross-border mergers have faced and highlights the key forces affecting airline development. Theoretical evidence is supplemented by data collected via surveys and interviews with airline executives, aviation experts, consultants and regulatory bodies.

The international community has succeeded in developing rules to limit greenhouse gas emissions in the atmosphere from international civil aviation. This book examines the development of international law and policy in an area that has remained largely outside the general framework of international environmental law.

For more than 40 years, the Nuclear Regulatory Commission (NRC) has maintained effective programs for nuclear security, emergency preparedness, and incident response as part of the agency's overall mission to protect people and the environment. The NRC is committed to planning for and responding to change in order to ensure the protection of public health and safety and the common defense and security. This edition provides an informative description of the NRC's current safety and security activities.

A comprehensive analysis of state-of-the-art molecular modeling approaches and strategies applied to risk assessment for pharmaceutical and environmental chemicals. This unique volume describes how the interaction of molecules with toxicologically relevant targets can be predicted using computer-based tools utilizing X-ray crystal structures or homology, receptor, pharmacophore, and quantitative structure activity relationship (QSAR) models of human proteins. It covers the in vitro models used, newer technologies, and regulatory aspects. The book offers a complete systems perspective to risk assessment prediction, discussing experimental and computational approaches in detail, with: * An introduction to toxicology methods and an explanation of computational methods * In-depth reviews of QSAR methods applied to enzymes, transporters, nuclear receptors, and ion channels * Sections on applying computers to toxicology assessment in the pharmaceutical industry and in the environmental arena * Chapters written by leading international experts * Figures that illustrate computational models and references for further information. This is a key resource for toxicologists and scientists in the pharmaceutical industry and environmental sciences as well as researchers involved in ADMET, drug discovery, and technology and software development.

The story of how diesel engines and gas turbines, used to power cargo ships and jet airplanes, made today's globally integrated economy possible. The many books on globalization published over the past few years range from claims that the world is flat to an unlikely rehabilitation of Genghis Khan as a pioneer of global commerce. Missing from these accounts is a consideration of the technologies behind the creation of the globalized economy. What makes it possible for us to move billions of tons of raw materials and manufactured goods from continent to continent? Why are we able to fly almost anywhere on the planet within twenty-four hours? In *Prime Movers of Globalization*, Vaclav Smil offers a history of two key technical developments that have driven globalization: the high-compression non-sparking internal combustion engines invented by Rudolf Diesel in the 1890s and the gas turbines designed by Frank Whittle and Hans-Joachim Pabst von Ohain in the 1930s. The massive diesel engines that power cargo ships and the gas turbines that propel jet engines, Smil argues, are more important to the global economy than any corporate structure or international trade agreement. Smil compares the efficiency and scale of these two technologies to prime movers of the past, including the sail and the steam engine. The lengthy processes of development, commercialization, and diffusion that the diesel engine and the gas turbine went through, he argues, provide perfect examples of gradual technical advances that receive little attention but have resulted in epochal shifts in global affairs and the global economy.

"A publication by the U.S. Department of Commerce."

The global airline industry, facing significant changes and discontinuity is prompted and forced to deal with a "new normal." Who would have imagined a few years ago that: - a significant percentage of consumers in the US now prefer to fly low-cost airlines instead of full-service airlines because they perceive the product to be better, - airlines would generate up to a third of their total income from non-ticket revenue, - many low-cost airlines would add complexity to their original simple business models through the development of code-share agreements, the use of global distribution systems, and travel agents to distribute their seats, - Jetstar, a low-cost subsidiary of Qantas, would grow faster and be more profitable than its parent, - a survey carried out by Ryanair would show that 42 percent of passengers would be willing to stand on short (one hour) flights if they could pay 50 percent less than seated passengers, - passengers could pay as little as US\$2,000 for a transatlantic Business Class ticket on top-brand airlines, - Lufthansa would have ownership in airlines based in Austria, Belgium, Italy, Switzerland, Turkey, the UK, and the US, and that it would continue to pursue equity ownership in airlines based in Poland and Scandinavia, or - the Japanese and Canadian governments would struggle to find different ways to bail out their heretofore flag carriers? To deal with this upcoming "new normal", airlines have to go beyond their short-term circumstantial strategies - they need strategic renewal of their ageing business model. In this candidly-written book, Nawal Taneja explains what will separate the winners from the losers. He maintains the leaders will be the airlines that: (1) exploit this crisis-driven change to their best advantage, (2) learn to work around the airline-inherent constraints

that prevent them from running their businesses just like other businesses, (3) learn from successes and failures of other global enterprises, (4) sharpen their business intelligence, analytics, and strategic agility, and (5) proactively explore the "pockets of growth" in this emerging-markets century. To help airline executives become informed of new competitive games, the author analyzes numerous business sectors such as auto, hospitality, retail, technology, and entertainment. For example, relevant lessons can be learned from the strategic mistakes made by the US automakers. Likewise, emergent and compelling insights can be gained in superior customer experience from Ritz Carlton and Zappos, and in value-creating innovation from Cirque du Soleil and Zipcar. The book also features a multitude of forewords from airlines and related businesses to provide readers with multiple perspectives on the changing landscape in the global airline industry. Nawal Taneja is a career analyst of the global airline industry with wide-ranging experience in the aviation industry, academia, and public policy. Encouraged by industry executives, he has written five other books for practitioners in the global airline industry, including FASTEN YOUR SEATBELT: The Passenger is Flying the Plane and Flying Ahead of the Airplane.

Capacities, Capacity Constraints and Capacity Reserves of Airports, Today and in the Future analyzes airport capacity constraints with empirical methods that forecast future capacities and their capacity shortfalls. When predicting the future of air traffic development, it is imperative for researchers and planners to possess the most accurate data for airport capacity constraints. The book discusses in detail the importance of airport capacity constraints on air traffic development, especially for international hubs, along with mitigation strategies for already packed airports. The book analyzes cross-sectional time-series data to provide greater insight into the problems of airport crowding and over-capacity. The authors go beyond mere strategies to derive capacity, adding estimates for comparable capacities and capacity constraints of airports worldwide. As expanding current airports becomes increasingly difficult, and time consuming-especially for hub-the study of current and future airport capacity constraints becomes ever more needed. Large international airports are especially essential to the global air transport network. The book provides insight into correctly assessing and quantifying the problem of limited airport capacity, while offering strategies for overcoming these issues for a healthy global air traffic network. Focuses on airport capacity constraints in the global air traffic network and their implications for the future of air traffic development Features empirical and model-based approaches that forecast airport capacities and capacity shortcomings Provides over capacity mitigation strategies based on sound and reliable data and methodology Addresses capacity constraints at hub airports, providing insight into correctly assessing and quantifying limited capacity for these important players in the global air transportation network Applies econometric models for the implication of restraining factors on the future volume and structure of air traffic

With the emergence of smart technology and automated systems in today's world, artificial intelligence (AI) is being incorporated into an array of professions. The aviation and aerospace industry, specifically, is a field that has seen the successful implementation of early stages of automation in daily flight operations through flight management systems and autopilot. However, the effectiveness of aviation systems and the provision of flight safety still depend primarily upon the reliability of aviation specialists and human decision making. The Handbook of Research on Artificial Intelligence Applications in the Aviation and Aerospace Industries is a pivotal reference source that explores best practices for AI implementation in aviation to enhance security and the ability to learn, improve, and predict. While highlighting topics such as computer-aided design, automated systems, and human factors, this publication explores the enhancement of global aviation security as well as the methods of modern information systems in the aeronautics industry. This book is ideally designed for pilots, scientists, engineers, aviation operators, air crash investigators, teachers, academicians, researchers, and students seeking current research on the application of AI in the field of aviation.

Cited over 1900 times, this classic text facilitates a deep understanding of the Rasch model. The authors review the crucial properties of the model and demonstrate its use with a variety of examples from education, psychology, and health. A glossary and numerous illustrations aid the reader's understanding. Readers learn how to apply Rasch analysis so they can perform their own analyses and interpret the results. The authors present an accessible overview that does not require a mathematical background. Highlights of the new edition include: -More learning tools to strengthen readers' understanding including chapter introductions, boldfaced key terms, chapter summaries, activities, and suggested readings. -Divided chapters (4, 6, 7 & 8) into basic and extended understanding sections so readers can select the level most appropriate for their needs and to provide more in-depth investigations of key topics. -A website at www.routledge.com/9780415833424 that features free Rasch software, data sets, an Invariance worksheet, detailed instructions for key analyses, and links to related sources. -Greater emphasis on the role of Rasch measurement as a priori in the construction of scales and its use post hoc to reveal the extent to which interval scale measurement is instantiated in existing data sets. -Emphasizes the importance of interval level measurement data and demonstrates how Rasch measurement is used to examine measurement invariance. -Insights from other Rasch scholars via innovative applications (Ch. 9). -Extended discussion of invariance now reviews DIF, DPF, and anchoring (ch. 5). -Revised Rating Scale Model material now based on the analysis of the CEAQ (ch.6). -Clarifies the relationships between Rasch measurement, True Score Theory, and Item Response Theory by reviewing their commonalities and differences (Ch.13). -Provides more detail on how to conduct a Rasch analysis so readers can use the techniques on their own (Appendix B). Intended as a text for graduate courses in measurement, item response theory, (advanced) research methods or quantitative analysis taught in psychology, education, human development, business, and other social and health sciences, professionals in these areas also appreciate the book's accessible introduction.

This accessible, up-to-date, comprehensive, and in-depth textbook introduces students and practitioners to the principles and practice of airport marketing as well as the major changes and future marketing challenges facing the airport sector. It applies principles of marketing within the airport industry, and examines airport marketing and its environment, how to define and measure the market for airport services, airport strategic marketing planning and individual elements of the airport marketing mix (product, price, distribution and promotion). The book integrates key elements of marketing theory with airport marketing in practice. Each chapter contains extensive industry examples for different types of airports from around the world to build on the theoretical base of the subject and show real-life applications. This new second edition has been updated to include: New and expanded content on branding and the passenger experience, marketing partnerships, engagement marketing and customer relationship management. Three brand new chapters on digital marketing, marketing for a more sustainable future, and crisis communications and marketing, in light of the Covid-19 pandemic. New, global case studies and examples throughout. This comprehensive textbook written by two airport marketing experts will be essential reading for air transport students and future managers.

Airport development is critical to economic growth and poverty reduction. This book will help decision-makers assess whether Public Private Partnerships (PPP) might be a viable option to meet their airport development requirements. It walks the reader through the airport PPP process, from early preparation to bringing the project to market and managing the project during implementation. The book will help eradicate misconceptions about the role of the private sector in airport infrastructure. A Decision-Makers Guide to Public Private Partnerships in Airports provides an essential guide for those in a position to make decisions linked to airport development, to their advisers, their staff and also to students wishing to understand airport PPP. Incorporating HC 765-i-vii, session 2012-13. Report published as Volume 1 (ISBN 9780215057440); additional written evidence is contained in Volume 3, available on the Committee website at www.parliament.uk/transcom

Taking a global and multidisciplinary approach, The SAGE International Encyclopedia of Travel and Tourism brings together a

team of international scholars to examine the travel and tourism industry, which is expected to grow at an annual rate of four percent for the next decade. In more than 500 entries spanning four comprehensive volumes, the Encyclopedia examines the business of tourism around the world paying particular attention to the social, economic, environmental, and policy issues at play. The book examines global, regional, national, and local issues including transportation, infrastructure, the environment, and business promotion. By looking at travel trends and countries large and small, the Encyclopedia analyses a wide variety of challenges and opportunities facing the industry. In taking a comprehensive and global approach, the Encyclopedia approaches the field of travel and tourism through the numerous disciplines it reaches, including the traditional tourism administration curriculum within schools of business and management, economics, public policy, as well as social science disciplines such as the anthropology and sociology. Key features include: More than 500 entries authored and signed by key academics in the field Entries on individual countries that details the health of the tourism industry, policy and planning approaches, promotion efforts, and primary tourism draws. Additional entries look at major cities and popular destinations Coverage of travel trends such as culinary tourism, wine tourism, agritourism, ecotourism, geotourism, slow tourism, heritage and cultural-based tourism, sustainable tourism, and recreation-based tourism Cross-references and further readings A Reader's Guide grouping articles by disciplinary areas and broad themes

Introduction to Air Transport Economics: From Theory to Applications uniquely merges the institutional and technical aspects of the aviation industry with their theoretical economic underpinnings. Its integrative approach offers a fresh point of view that will find favor with many students of aviation. This third edition has been extensively updated throughout. It features new material that stresses the dynamic aspects of demand and supply and the ongoing competitive aspects of the marketplace. It now features an introductory chapter, and specific examples, to more directly relate management decisions to the economic theory. Also, in addition to an expanded coverage of revenue management and pricing decisions, the third edition includes case studies that give real-world examples to reflect actual industry practice as well as a discussion of the more up-to-date computer applications that make the new techniques so effective. This book offers a self-contained theory and applications-oriented text for any individual intent on entering the aviation industry as a practicing professional in the management area. It will be of greatest relevance to undergraduate and graduate students interested in obtaining a more complete understanding of the economics of the aviation industry. It will also appeal to many professionals who seek an accessible and practical explanation of the underlying economic forces that shape the industry.

Provides over 6,500 definitions of travel and tourism terminology, including the operating language of the travel industry, acronyms of organizations, associations, and trade bodies, IT terms, and brand names. Completely up to date, this dictionary covers the implications of web technology and social media on the travel and tourism industry, as well as new products and services, such as e-tickets, home-based travel agents, awareness amongst consumers and within the industry of terror-threatened travel, recent changes in legislation, and environmental concerns. Useful appendices include the World Tourism Organization Global Code of Ethics for Tourism, the recommended tourism syllabus content for Higher Education courses worldwide, and a list of the EC Neutral Computerized Reservation System Rules. Providing a wealth of information on one of the fastest-growing global industries of the 21st century, this dictionary is the ideal point of reference for students taking travel, tourism, and hos

We must make judgments all the time when we can't be certain of the risks. Should we have that elective surgery? Trust the advice of our financial adviser? Take that new job we've been offered? How worried should we be about terrorist attacks? In this lively and groundbreaking book, pioneering researcher Dylan Evans introduces a newly discovered kind of intelligence for assessing risks, demonstrating how vital this risk intelligence is in our lives and how we can all raise our RQs in order to make better decisions every day. Evans has spearheaded the study of risk intelligence, devising a simple test to measure a person's RQ which when posted online sparked a storm of interest and was taken by tens of thousands of people. His research has revealed that risk intelligence is quite different from IQ, and that the vast majority of us have quite poor risk intelligence. However, he did find some people who have very high RQs. So what makes the difference? Introducing a wealth of fascinating research findings, Evans identifies a key set of common errors in our thinking that most of us fall victim to and that undermine our risk intelligence, such as "ambiguity aversion," overconfidence in our knowledge, the fallacy of mind reading, and our attraction to worst-case scenarios. We are also regularly led astray by the ways in which information is provided to us. Citing a wide range of real-life examples—from the brilliant risk assessment skills of horse race handicappers to the tragically flawed evaluations of risk that caused the financial crisis—Evans illustrates that sometimes our most trusted advisers, including the experts and analysts at the top of their disciplines, don't always give us the best advice when it comes to risk evaluation. Presenting his revolutionary test that allows readers to evaluate their own RQs, Evans introduces a number of simple techniques we can use to build our risk assessment powers and reports on the striking results he's seen in training people to develop their RQs. Both highly engaging and truly mind-changing, Risk Intelligence will fascinate all of those who are interested in how we can improve our thinking in order to enhance our lives.

This volume demonstrates that tourism research can deliver quality implications for a range of stakeholders. Contributions from authors across the continents serve to illustrate ways in which academic analysis can, and does, result in action.

Aviation has grown leaps and bounds within the last decade. Aviation courses and training at all levels have shown an exponential increase around the globe. There has been a restricted focus on writing books in this sector of the economy, mainly due to the shortage of expertise in this specialist and complex area. This book was written with the purpose of meeting this need of the aviation sector. Due to the diversified nature of aviation knowledge, which includes flying, engineering, airports, allied trades for aircraft and airports, airline and airport management and operations, education, etc., one text alone will not suffice and do justice to address all these areas. It is envisaged to develop subsequent parts of this book to cover all these knowledge areas. This book is the first installment of any subsequent books and explores issues including airline management and operations, airline business models, airport systems, flight operational procedures, aircraft maintenance, runway safety management systems, and air traffic management. In particular, attention will be given to aspects such as analysis of air traffic in a domestic market, runway safety management systems, critical success factors for multiple MRO service providers, key pain points of the industry to be addressed to move into the future, new research on hub airports for international flights, new business models for airlines, and runway safety management systems. This book is useful to aviation managers, educators, students, and professionals interested in any of the above issues.

This book presents the proceedings of the joint conference held in Delft, the Netherlands in June 2012, incorporating the 3rd International Air Transport Operations Symposium ATOS, the 3rd Association of Scientific Development in Air Traffic Management in Europe ASDASeminar, the 6th International Meeting for Aviation Products Support Processes IMAPP and the 2012Complex World Seminar. The book includes the

majority of academic papers presented at the conference, and provides a wide overview of the issues currently of importance in the world of air transport. IOS Press is an international science, technical and medical publisher

This fully revised and updated second edition provides over 7,000 definitions of travel and tourism terminology used throughout the world, highlighting the many differences between US and European usage. It covers all aspects of the tourism industry, including hospitality, transport, and ancillary services. It explains the operating language of the travel industry, acronyms and abbreviations of organizations, associations and trade bodies, IT terms and brand names, and provides website addresses. Entries vary from one-line definitions to 500 word articles, and references are provided for further reading. This new edition contains over 500 new entries and the unique cross referencing system has been extended; for example accessing any entry about business travel leads to over 70 others. It is an essential reference tool for anyone involved in tourism research, and everyone in the travel industry.

European Air Traffic Management: Principles, Practice and Research is a single source of reference on the key subject areas of air traffic management in Europe. It brings together material that was previously unobtainable, hidden within technical documents or dispersed across disparate sources. With a broad cross-section of contributors from across the industry and academia, the book offers an effective treatment of the key issues in current, and developing, European ATM. It explains the principles of air traffic management and its practical workings, bridging the academic and operational worlds to give an insight into this evolving field, with a number of fresh perspectives brought to the text. On-going research and developments are closely integrated into the themes, demonstrating the likely directions of future ATM in Europe and the challenges it will face. It is anticipated that many readers will already have expertise in one or more of the chapters' subject matter, but wish to develop a further understanding of the areas covered in others, taking advantage of the many thematic and operational links which have been illustrated. The book will appeal to both aviation academics and practitioners, equally for those whose area of expertise is outside ATM but want a clearly elucidated source of reference, as to those wishing to broaden existing knowledge.

Airport Development Reference Manual Aviation strategy first report of session 2013-14, Vol. 2: Oral and written evidence Stationery Office

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