

Icao Security Manual Doc 8973

ITF Round Tables Terrorism and International Transport Towards Risk-based Security Policy Airport Operations Strategic Airport Planning Planning and Design of Airports, Fifth Edition ICAO's Policies on Charges for Airports and Air Navigation Services DESIGNATORS FOR AIRCRAFT OPERATING AGENCIES, AERONAUTICAL AUTHORITIES AND SERVICES. Legal and Regulatory Issues of Computer Reservation Systems and Code Sharing Agreements in Air Transport Emergency response guidance for aircraft incidents involving dangerous goods Law and Regulation of Air Cargo Airport, Aircraft, and Airline Security Aviation and International Cooperation Annals of Air and Space Law Aviation Food Safety Air Navigation Law Airport Systems, Second Edition Aviation Security Management [3 volumes] International Air Law and ICAO Aviation Security Law Legal Priorities in Air Transport The International Civil Operations of Unmanned Aircraft Systems under Air Law Aviation Security, Privacy, Data Protection and Other Human Rights: Technologies and Legal Principles Airport Security Operations Object Recognition in Man, Monkey, and Machine Current Developments in Air and Space Law Security Critical Infrastructure Security and Resilience The North Carolina journal of international law and commercial regulation The Facilitation Manual Raising Dad Apron Markings and Signs Handbook The Geographical and Historical Dictionary of America and the West Indies Airport Design and Operation Megatrends and Air Transport Airline Network Development in Europe and its Implications for Airport Planning International and EU Aviation Law International Aviation Law Airports and the Environment Commercial Aviation Safety, Sixth Edition Dangerous Goods Regulations 2013 New Trends in Civil Aviation

ITF Round Tables Terrorism and International Transport Towards Risk-based Security Policy

This Round Table examines the contribution economic analysis can make to improving security in aviation and maritime shipping by quantifying the benefits of security measures and assessing their effectiveness, and examining techniques to allocate resources to target the highest risks.

Airport Operations

Authoritative, Up-to-Date Coverage of Airport Planning and Design Fully updated to reflect the significant changes that have occurred in the aviation industry, the new edition of this classic text offers definitive guidance on every aspect of planning, design, engineering, and renovating airports and terminals. Planning and Design of Airports, Fifth Edition, includes complete coverage of the latest aircraft and air traffic management technologies, passenger processing technologies, computer-based analytical and design models, new guidelines for estimating required runway lengths and pavement thicknesses, current Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) standards, and more.

Widely recognized as the field's standard text, this time-tested, expertly written reference is the best and most trusted source of information on current practice, techniques, and innovations in airport planning and design. **COVERAGE INCLUDES:** Designing facilities to accommodate a wide variety of aircraft Air traffic management Airport planning studies Forecasting for future demands on airport system components Geometric design of the airfield Structural design of airport pavements Airport lighting, marking, and signage Planning and design of the terminal area Airport security planning Airport airside capacity and delay Finance strategies, including grants, bonds, and private investment Environmental planning Heliports

Strategic Airport Planning

The contributors bring a wide range of methodologies to bear on the common problem of image-based object recognition. These interconnected essays on three-dimensional visual object recognition present cutting-edge research by some of the most creative neuroscientific, cognitive, and computational scientists in the field. Cassandra Moore and Patrick Cavanagh take a classic demonstration, the perception of "two-tone" images, and turn it into a method for understanding the nature of object representations in terms of surfaces and the interaction between bottom-up and top-down processes. Michael J. Tarr and Isabel Gauthier use computer graphics to study whether viewpoint-dependent recognition mechanisms can generalize between exemplars of perceptually defined classes. Melvyn A. Goodale and G. Keith Humphrey use innovative psychophysical techniques to investigate dissociable aspects of visual and spatial processing in brain-injured subjects. D.I. Perrett, M.W. Oram, and E. Ashbridge combine neurophysiological single-cell data from monkeys with computational analyses for a new way of thinking about the mechanisms that mediate viewpoint-dependent object recognition and mental rotation. Shimon Ullman also addresses possible mechanisms to account for viewpoint-dependent behavior, but from the perspective of machine vision. Finally, Philippe G. Schyns synthesizes work from many areas, to provide a coherent account of how stimulus class and recognition task interact. The contributors bring a wide range of methodologies to bear on the common problem of image-based object recognition.

Planning and Design of Airports, Fifth Edition

Against the backdrop of enormous technological strides, this book argues that the air transport industry must be constantly vigilant in its efforts to employ a legal regime that is applicable to the aeronautical and human aspects of the carriage by air of persons and goods. In this regard, safety and security are of the utmost importance, both in terms of safe air navigation and the preservation of human life. Although the International Civil Aviation Organization (ICAO) addresses legal issues through its Legal Committee, many emerging issues that urgently require attention lie outside the Committee's purview. This book analyzes in detail the items being considered by ICAO's Legal Committee, considers the legal nature of

ICAO, and discusses whether or not ICAO's scope should be extended. Since the limited issues currently addressed by ICAO do not reflect the rapidly changing realities of air transport, the book also covers a broad range of key issues outside the parameters set by ICAO, such as: the need to teach air law to a new generation of aviation professionals; combating cyber-crime and cyber-terrorism; the regulation of artificial intelligence; traveller identification; interference with air navigation; human trafficking; unruly passengers; climate change; air carrier liability for passenger death or injury; Remotely Piloted Aircraft Systems (drones); and the cabin crew and their legal implications.

ICAO's Policies on Charges for Airports and Air Navigation Services

DESIGNATORS FOR AIRCRAFT OPERATING AGENCIES, AERONAUTICAL AUTHORITIES AND SERVICES.

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)"

Legal and Regulatory Issues of Computer Reservation Systems and Code Sharing Agreements in Air Transport

This document provides guidance to States and operators for developing procedures and policies for dealing with dangerous goods incidents on board aircraft. It contains general information on the factors that may need to be considered when dealing with any dangerous goods incident and provides specific emergency response drill codes for each item listed in the Technical Instructions for the Safe Transport of Dangerous Goods by Air

Emergency response guidance for aircraft incidents involving dangerous goods

This book explores the legal and regulatory aspects of the complex air cargo sector, discussing in detail the general principles of the carriage of air cargo; artificial intelligence and air cargo; facilitation; carriage of hazardous goods; human remains; and animals, as well as cargo security; price fixing and anti competitive conduct in air cargo operations; liability issues; the air cargo supply chain and contract of carriage. It also discusses related achievements of the International Civil Aviation Organization; the International Air Transport Association and Airports Council International. The value of goods carried by airlines represents 7.4% of the global Gross Domestic Product. While cargo carried by air accounts for less than 1% of global cargo carriage, airlines carry 35% of the value of world trade, making this industry highly valuable and efficient, and the most reliable way to transport goods throughout the world. On average, airlines transport 52 million metric tons of goods per annum, worth an equivalent of \$6.8 trillion, i.e. \$18.6 billion worth of goods daily.

Law and Regulation of Air Cargo

Airport, Aircraft, and Airline Security

Aviation and International Cooperation

Because of 9/11, there is universal recognition that aviation security is a deadly serious business. Still, around the world today, the practice of aviation security is rooted in a hodgepodge of governmental rules, industry traditions, and local

idiosyncrasies. In fact, nearly seven years after the largest single attack involving the air transport industry, there remains no viable framework in place to lift aviation security practice out of the mishmash that currently exists. It is the ambitious intent of Aviation Security Management to change that. The goals of this set are nothing less than to make flying safer, to make transporting goods by air safer, and to lay the foundation for the professionalization of this most important field. This dynamic set showcases the most current trends, issues, ideas, and practices in aviation security management, especially as the field evolves in the context of globalization and advances in technology. Written by leading academic thinkers, practitioners, and former and current regulators in the field, the three volumes highlight emerging and innovative practices, illustrated with examples from around the world. Volume 1 takes a penetrating look at the overall framework in which aviation security management has taken place in the past and will likely do so in the foreseeable future. It covers the major areas of focus for anyone in the aviation security business, and it provides a basis for educational programs. Volume 2 delves into the emerging issues affecting aviation security managers right now. Volume 3: Perspectives on Aviation Security Management covers the full spectrum of international aviation security-related issues. It will serve as part of the foundation for the next generation of research in the area in both a business and cultural context. Collectively, these volumes represent the state of the art in the field today and constitute an essential resource for anyone practicing, studying, teaching, or researching aviation security management.

Annals of Air and Space Law

The role of an airport within the air transport system used to be largely incontestable. This book examines various pressures in order to identify changes that are required to the airport planning process. It discusses such issues as: forecasting in an uncertain world; airport market share; airline network choices; and more.

Aviation Food Safety

Based on a study of current best practices, this handbook presents a series of apron markings and signs. These markings and signs were devised by representatives of airport operators, airlines, and other organizations who met under the auspices of ACI and IATA.

Air Navigation Law

This book offers an extraordinary wealth of information, from the ground up, of the law governing and regulating air transport today, with a strong emphasis on international aviation. A team of distinguished authors in the field of aviation law provide a cogent synthesis from which sound legal opinions and strategies of legal action may be confidently built.

Among the many topics here in depth are the following: definition and classification of airspace; distinction between civil and state aircraft; air navigation and air traffic control services; airport charges and overflight charges; structure of ICAO; standard-setting functions and audit functions of ICAO; functions of the International Air Transport Association (IATA); policy and effects of deregulation and liberalization of air transport policy; the International Registry for Aircraft Equipment; air carrier liability regimes and claims procedure; measures to combat aviation terrorism, air piracy and sabotage; and the Open Skies Agreements. This publication cites significant legislation and court rulings, including from the United States and the European Union, where far-reaching measures on market access, competition and passenger rights have set trends for other regions of the world. The special case of Latin America has a chapter to itself. At a time when commercial aircraft have been used as lethal weapons for the first time, aviation law finds itself in the front line of responsibility for maintaining global aviation security.

Airport Systems, Second Edition

Airport, Aircraft, and Airline Security, 2ed is a comprehensive study of every aspect of modern aviation security. Topics are presented from a historical perspective and examined through a down-to-earth practical approach to solving current problems.

Aviation Security Management [3 volumes]

International Air Law and ICAO

Aviation Security Law

The provision of safe food to airline passengers is now a multi-billion dollar industry worldwide. As the aviation industry continues to grow year on year, so do passenger food service expectations, with increasing demand for wider choice and greater quality. Often neglected and under-regulated, food safety should be of paramount importance amid this growth. In this much needed book Erica Sheward makes a compelling case for better management of food safety for all aspects of the aircraft food supply chain.

Legal Priorities in Air Transport

The International Civil Operations of Unmanned Aircraft Systems under Air Law

The ongoing deregulation and liberalization of worldwide air transport markets confronts airport planners with an increasingly problematic context. On the one hand, the capital intensive, large-scale and complex airport investments need a detailed, long/medium-term planning of airport infrastructure. Such planning requires at least predictable traffic volumes (and traffic composition) within the planning horizon. On the other hand, airline route networks are increasingly dynamic structures that frequently show discontinuous changes. As a consequence, the much more volatile airport traffic restricts the value of detailed traffic forecasts. Volatility of airport traffic and its composition requires flexibility of airport strategies and planning processes. The book explores this dilemma through a detailed study of airline network development, airport connectivity and airport planning in the deregulated EU air transport market. The questions the book seeks to answer are: · how have airlines responded to the regime changes in EU aviation with respect to the configuration of their route networks? · what has been the impact of the reconfiguration of airline network configurations for the connectivity of EU airports? · how can airport planners and airport authorities deal with the increasingly uncertain airline network behaviour in Europe?

Aviation Security, Privacy, Data Protection and Other Human Rights: Technologies and Legal Principles

Airport Security Operations

Object Recognition in Man, Monkey, and Machine

The law plays a significant role in ensuring aviation security. This book addresses new and emerging threats to civil aviation; evaluates security tools now in use such as the Public Key Directory, Advance Passenger Information, Passenger Name Record and Machine Readable travel documents in the context of their legal and regulatory background; and discusses applicable security treaties while providing an insight into the process of the security audits conducted by the International Civil Aviation Organization (ICAO). The book also examines issues of legal responsibility of States and individuals for terrorist acts of third parties against civil aviation and discusses from a legal perspective the latest liability Conventions adopted at ICAO. The Conclusion of the book provides an insight into the application of legal principles through risk management.

Current Developments in Air and Space Law

The aviation community, in which the International Civil Aviation Organization (ICAO), the International Air Transport Association (IATA) and the Civil Air Navigation Services Organization (CANSO) play leading roles, is hard at work in bringing aviation into the 21st Century. In doing so, the United States and Europe have taken proactive steps forward in introducing modernization, particularly in moving towards more efficient air traffic management systems within NextGen and SESAR. Elsewhere, in the fields of personnel licensing, rules of the air, accident investigation and aeronautical charts and information, significant strides are being made in moving from mere regulation to implementation and assistance calculated to make all ICAO member States self sufficient in international civil aviation. However, these objectives can be achieved only if the aviation industry has a sustained understanding of the legal and regulatory principles applying to the various areas of air navigation. This book provides that discussion. Some of the subjects discussed in this book are: sovereignty in airspace; flight information and air defence identification zones; rules of the air; personnel licensing; meteorological services; operations of aircraft; air traffic services; accident and incident investigation; aerodromes; efficiency aspects of aviation and environmental protection; aeronautical charts and information; the carriage of dangerous goods; and NextGen and SESAR . Except for NextGen and SESAR, these subjects form the titles of the Annexes to the Chicago Convention that particularly involve the rights and liabilities of the key players involved in air navigation.

Security

By far the most comprehensive book on the subject, the completely new Second Edition of Airport Operations updates the many developments in this fast-changing industry. The book provides a broad perspective on the effects of deregulation, privatization, and commercialization. Thoroughly illustrated, it examines the most current practices in airport security and terminal access, cargo relations, noise control, scheduling issues, and more. It is equally valuable to aviation educators and students as well as to airport personnel.

Critical Infrastructure Security and Resilience

This book discusses megatrends and subsequently applies them to the air transport industry from a legal, ethical and economic perspective. Starting with a detailed discussion on what these megatrends are, the book provides an essential overview of megatrends and air transport, including analytical discussions on how megatrends could affect basic issues such as nationalism and sovereignty, market access in air transport, and commercial space transport. It also delves into the rights of the airline passenger as affected by megatrends. Further, the book analyses a broad range of topics, including: the digital transformation of air transport; technology and air transport; robotic pilots and their legal ramifications; the human-robot interface and the law with focus on the pilot; cognitive computing; and issues of empowerment and connectivity. It discusses in detail United Nations initiatives and initiatives of the International Civil Aviation Organization, considering

aspects such as: the new world order; e-trends and air transport; apps that make air travel easier; and apps designed to help the aviation authorities. Further topics include artificial intelligence and air transport and related technical, ethical and economic issues, as well as a legal inquiry into manufacturer's defects; design defects; and liability for failure to warn of defects. Questions are posed and answers provided on the effects of artificial intelligence and legal issues stemming from its use in air transport. Two major discussions follow on millennials and air transport, and on the Internet of everything as related to air transport. The conclusion ties in megatrends with air transport and offers the industry a way forward for adapting to these trends.

The North Carolina journal of international law and commercial regulation

The Facilitation Manual

Raising Dad

In this third edition the chapters have been enhanced to reflect changes in technology and the way the air transport industry runs. Key topics that are newly addressed include low cost airline operations, security issues and EASA regulations on airports. A new chapter covering extended details about wildlife control has been added to the volume.

Apron Markings and Signs Handbook

The Geographical and Historical Dictionary of America and the West Indies

The NTCA conference series is dedicated to publishing peer-reviewed proceedings of the conference. The goal is to disseminate state-of-the-art scientific results available in the domain of civil aviation. These proceedings contain a collection of scientific contributions to the NTCA 2017 conference, which took place in Prague from 7-8 December 2017 and was hosted by the Department of Air Transport, Czech Technical University in Prague with the cooperation of the Faculty of Aeronautics, Technical University of Košice; Institute of Aerospace Engineering, Brno University of Technology; Air Transport Department, University of Žilina, and the Czech Aerospace Society. The NTCA conference aims to build and extend a platform for interaction between communities interested in aviation problems and applications. NTCA 2017 followed this established practice and provided room for discussing and sharing views on the current issues in the field of aviation. As a

result, these proceedings include contributions on air transport operations, air traffic management and economic aspects, aviation safety and security, aircraft technologies, unmanned aerial systems, human factors and ergonomics in aviation.

Airport Design and Operation

This book addresses an essential gap in the regulatory regime, which provides legislation, statements and guidelines on airlines, airports, air navigation services providers and States in the field of aviation, but is notably lacking when it comes to the rights of the airline passenger, and the average citizen who is threatened by military air strikes. It addresses subjects such as international resolutions on human rights and other human rights conventions related to aviation that impact both air transport consumers and people on the ground who are threatened by air strikes through drone attacks; disabled and obese airline passengers; compensation for delayed carriage and the denial of carriage; noise and air pollution caused by aviation and their effects on human health and wellbeing; prevention of death or injury to passengers and attendant compensatory rights; risk management; relief flights; and racial profiling. These subjects are addressed against the backdrop of real case studies that include but are not limited to instances of drone attacks, and contentious flights in the year 2014 such as MH 370, MH 17 and QZ 8501.

Megatrends and Air Transport

Up-To-Date Coverage of Every Aspect of Commercial Aviation Safety Completely revised edition to fully align with current U.S. and international regulations, this hands-on resource clearly explains the principles and practices of commercial aviation safety—from accident investigations to Safety Management Systems. Commercial Aviation Safety, Sixth Edition, delivers authoritative information on today's risk management on the ground and in the air. The book offers the latest procedures, flight technologies, and accident statistics. You will learn about new and evolving challenges, such as lasers, drones (unmanned aerial vehicles), cyberattacks, aircraft icing, and software bugs. Chapter outlines, review questions, and real-world incident examples are featured throughout. Coverage includes: • ICAO, FAA, EPA, TSA, and OSHA regulations • NTSB and ICAO accident investigation processes • Recording and reporting of safety data • U.S. and international aviation accident statistics • Accident causation models • The Human Factors Analysis and Classification System (HFACS) • Crew Resource Management (CRM) and Threat and Error Management (TEM) • Aviation Safety Reporting System (ASRS) and Flight Data Monitoring (FDM) • Aircraft and air traffic control technologies and safety systems • Airport safety, including runway incursions • Aviation security, including the threats of intentional harm and terrorism • International and U.S. Aviation Safety Management Systems

Airline Network Development in Europe and its Implications for Airport Planning

This book presents the latest trends in attacks and protection methods of Critical Infrastructures. It describes original research models and applied solutions for protecting major emerging threats in Critical Infrastructures and their underlying networks. It presents a number of emerging endeavors, from newly adopted technical expertise in industrial security to efficient modeling and implementation of attacks and relevant security measures in industrial control systems; including advancements in hardware and services security, interdependency networks, risk analysis, and control systems security along with their underlying protocols. Novel attacks against Critical Infrastructures (CI) demand novel security solutions. Simply adding more of what is done already (e.g. more thorough risk assessments, more expensive Intrusion Prevention/Detection Systems, more efficient firewalls, etc.) is simply not enough against threats and attacks that seem to have evolved beyond modern analyses and protection methods. The knowledge presented here will help Critical Infrastructure authorities, security officers, Industrial Control Systems (ICS) personnel and relevant researchers to (i) get acquainted with advancements in the field, (ii) integrate security research into their industrial or research work, (iii) evolve current practices in modeling and analyzing Critical Infrastructures, and (iv) moderate potential crises and emergencies influencing or emerging from Critical Infrastructures.

International and EU Aviation Law

International Aviation Law

This book offers a compact - yet exhaustive - and easily comprehensible reference book that deals with the most general aspects of international air law, as well as with the constitutional issues and law-making functions of the International Civil Aviation Organization (ICAO). Specialized legal literature dealing with different aspects of international air law is rare, the developments often overtake the existing writings and there is a continuous need not only for updating but also for future-oriented thinking. This book cannot fail to be of importance to anyone interested in international air law.

Airports and the Environment

The truth that parents learn as much from their children as their children learn from them is poignantly captured in this book by father and son.

Commercial Aviation Safety, Sixth Edition

THE MOST PRACTICAL, COMPREHENSIVE GUIDE TO THE PLANNING, DESIGN, AND MANAGEMENT OF AIRPORTS--UPDATED BY
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LEADING PROFESSIONALS "With the accelerated rate of change occurring throughout the aviation industry, this edition is a timely and very effective resource for ensuring both airport professionals and those interested in airports acquire a comprehensive understanding of the changes taking place, and how they impact airports and the communities they serve. A must read." -- James M. Crites, Executive Vice President of Operations, Dallas/Fort Worth International Airport "Airport Systems has been a must read for my management team and my graduate students because of its outstanding comprehensiveness and clarity. Now further enhanced by an expanded treatment of both environmental and air carrier issues, it promises to retain its place as the foremost text in the airport planning, engineering and management field." -- Dr. Lloyd McCoomb, retired CEO Toronto-Pearson Airport, Chair of Canadian Air Transport Security Authority "The chapter on Dynamic Strategic Planning should be required reading for every airport CEO and CFO. As de Neufville and Odoni emphasise, the aviation world is constantly changing and airport master planning must evolve to be more strategic and adaptable to ever changing conditions." -- Dr. Michael Tretheway, Chief Economist, InterVISTAS Consulting Group Over the past decade, the airport industry has evolved considerably. Airport technology has changed. New research has taken place. The major airlines have consolidated, changing demand for airport services. In order to reflect these and other major shifts in the airport industry, some of the world's leading professionals have updated the premier text on airport design - making it, now more than ever, the field's most comprehensive resource of its kind. NEW TO THIS EDITION: Chapter-ending conclusions, with reference material, and exercises Coverage of the latest aircraft technology and air traffic control Advances in the design, planning, and management of airports Additional chapter on Aircraft Impact on Airports Updated environmental regulations and international rules Two contributing authors from Massachusetts Institute of Technology

Dangerous Goods Regulations 2013

International Aviation Law: A Practical Guide explains the international context and application of the law as it applies to commercial and recreational aviation, and to the broader aviation environment. It provides a comprehensive introduction to all aspects of aviation law from criminal law to contract law to the legal duties and responsibility of aircrew and other aviation personnel including airport operators, air traffic controllers and aircraft engineers. Each area of the law is clearly explained in accessible language and supported with practical case studies to illustrate the application of the law within an operational aviation context. It also provides advice on how to avoid or minimize legal liability for aviation practitioners and enthusiasts.

New Trends in Civil Aviation

Aviation Law and Policy Series # 19 The incursion of unmanned aircraft systems (UAS) is radically reshaping the future of international civil aviation. As the civil uses of UAS increase and the technology matures in parallel, questions around the

associated legal implications remain unanswered, even in such fundamental legal regimes of international civil aviation as airspace, aircraft, international air navigation, international air transport, and safety. This book – the first to consider international law and regulations to cross-border civil flights of UAS – explores current legal and regulatory frameworks from the perspective of how they may facilitate the operations of UAS. The author, a well-known air law practitioner and diplomat, identifies the legal challenges and proposes sound, well-informed measures to tackle those challenges. The book explores comprehensively the means of incorporating UAS within the arena of air law while stimulating further research and debate on the topic. Analysis of the cross-border operations of UAS focuses on aspects relevant to their immediate future, and address such questions as the following: What processes are currently in place? What factors require attention? What aspects particularly influence the future of UAS? Is the current international legal framework adequate to ensure the operation and development of UAS while preserving high levels of safety? How will artificial intelligence impact the civil operations of UAS? The author’s analyses draw on relevant initiatives in existing and proposed Standards and Recommended Practices for the operation of UAS on cross-border flights, as well as States’ regulation of UAS within their national airspace. Also described are the main bilateral and multilateral air services and transport agreements with respect to their application to the operation of UAS. Given the escalating need to adopt a comprehensive international regulatory framework for the operation of UAS aimed at facilitating its safe and efficient integration – even as the technology advances and continues to outpace law while the potential for incidents involving UAS grows – this book is well timed to meet the challenge for States and International Civil Aviation Organization and airspace planners. Its innovative approaches to the management of the air traffic safety and security of UAS are sure to influence the development of regulations for civil UAS. The book will be welcomed by aviation regulators, interested international and regional organisations, research organisations, aviation lawyers, and academics in international law and air law.

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