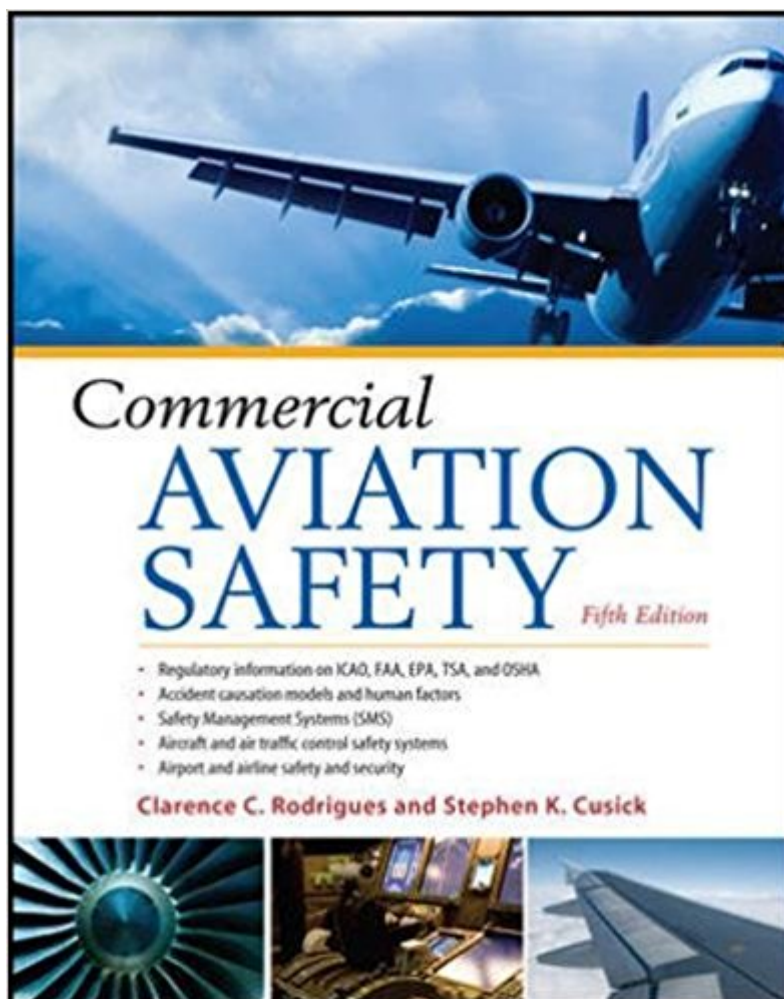


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# Commercial Aviation Safety, 5th Edition (Mechanical Engineering)



## Synopsis

A Complete, Fully Updated Guide to COMMERCIAL AVIATION SAFETY Presenting the latest procedures and standards from U.S. and international air traffic and regulatory agencies, this extensively revised resource covers the entire commercial aviation safety system--from human factors to accident investigation. The introduction of Safety Management Systems (SMS) principles by the International Civil Aviation Organization (ICAO) is discussed in detail. Commercial Aviation Safety, Fifth Edition delivers authoritative information on today's security concerns on the ground and in the air, changes in systems and regulations, new maintenance and flight technologies, and recent accident statistics. This is the most comprehensive, current, and systematic reference on the principles and practices of commercial aviation safety and security. **COVERAGE INCLUDES:**

Regulatory information on ICAO, FAA, EPA, TSA, and OSHA 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) Aircraft and air traffic control technologies and safety systems Airport safety, including runway incursions Aviation security, including the 9-11 Commission recommendations International and U.S. Airline Safety Management Systems Aviation Safety Management Systems

## Book Information

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## Customer Reviews

Clarence C. Rodrigues, Ph.D., is currently the Health Safety Environment (HSE) manager for the Petroleum Institute (part of Abu Dhabi National Oil Company - ADNOC) in Abu Dhabi. He was previously a tenured, full professor in the college of aviation and the program chair for the BS in Safety Sciences degree at Embry-Riddle Aeronautical University (ERAU) in Daytona Beach, Florida. Stephen K. Cusick, J.D., is Associate Professor of Aeronautics at the Florida Institute of Technology, College of Aeronautics in Melbourne, Florida and a member of the university graduate faculty for its Masters Degree program in Applied Aviation Safety. A former U.S. Navy Captain, flight instructor, and Naval Aviator, he is an active pilot with multi-engine, instrument, and helicopter flight ratings from the Federal Aviation Administration (FAA).

I expected this textbook to be somewhat engaging and colorful. It is not, unfortunately. This book is almost as boring as reading the plain codes of federal regulations or the federal aviation regulations straight out of their government issued publications. I fight off the strain of boredom and sleepiness and cannot stay focused on what I am reading in this book. Pros: it is full of information and very well organized. It is not wordy. There are some helpful references to primary sources. Cons: it is extremely dry and boring. There are no helpful graphics to help one understand the content (other than a few boring black and white illustrations). The text drones on and on with absolutely no personality or inflection. It will put you to sleep.

Book full of interesting aviation safety information. Got this due to a college course. However it is not a book I would keep in my shelf.

The book is logical in it's layout and how it introduces the various regulatory bodies of the US and International aviation regulatory agencies. It covers a lot of material from crash investigations to regulatory agencies. The content is introductory in nature - there is only so much you can cover in a textbook. Easy to read and understand.

This book has helped with the understanding of how the government and other agencies have reduced the amount of Aviation related accidents. Although, text can be a bit dry at times.

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Great informative book...easy read

The authors of this book share with you an immense amount of easily understandable detail about aviation safety - where, why, when, there is not a question left unanswered. Full of information, to the point, easy to understand, fun to read, there is no reason not to buy this if you're interested in aviation safety.

This book contains a huge amount of important data about safety. It has a lot of details about the aviation industry and recent data in the last aviation accidents. This edition has more information than the fourth edition, such as information on safety before the 70's and the latest aviation changes and regulations in order to improve safety.

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