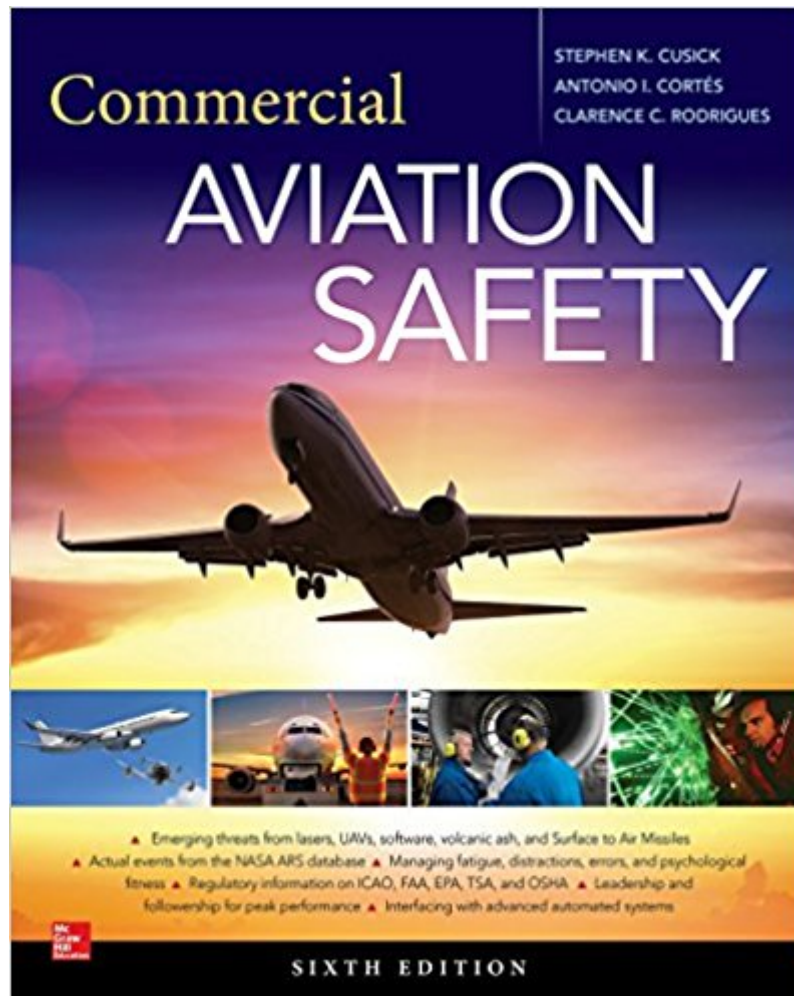




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Commercial Aviation Safety, Sixth Edition



Synopsis

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

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Customer Reviews

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Clarence Rodrigues, Ph.D., is an Associate Professor of Mechanical Engineering, Program Coordinator for the Graduate Degree in Health, Safety and Environment (HSE) Engineering, and HSE Manager (acting) for PI operations, at the Petroleum Institute, the education and R&D division of the Abu Dhabi National Oil Company.Â Prior to his current employment, he was a tenured, full-professor in the college of aviation and the program chair for the BS in Safety Degree program at Embry-Riddle Aeronautical University (ERAU) in Daytona Beach, Florida.Â Before joining ERAU, he was on the safety departmentâ€™s faculty at the Indiana University of Pennsylvania (IUP) and he was also an OSHA consultant for the State of Pennsylvania.Â Prior to the above, he was Campbell Soup Companyâ€™s worldwide engineering manager for ergonomics and system safety.Â While Engineering Manager at Campbell Soup, he also held an adjunct faculty appointment at The University of Pennsylvaniaâ€™s systems engineering department. He is also an HSE consultant and has authored or co-authored numerous publications, including the 4th and 5th Edition of âœCommercial Aviation Safetyâ•.Â He is a US professional engineer (PE), a certified safety professional (CSP), and a certified professional ergonomist (CPE), who has conducted professional

work in the USA, United Arab Emirates (UAE), Kuwait, Canada, England, India, Malaysia, Mexico and Scotland.

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