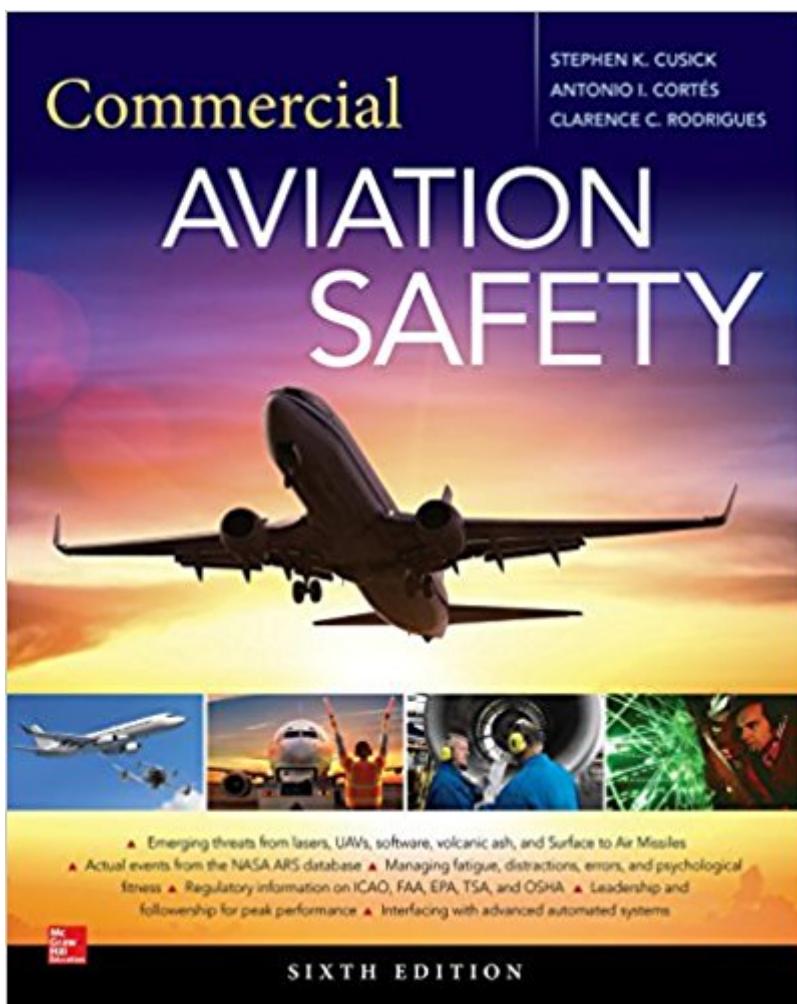


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# Commercial Aviation Safety, Sixth Edition



## Synopsis

Up-To-Date Coverage of Every Aspect of Commercial Aviation Safety Completely revised editionÂ to fully align with current U.S. and international regulations, this hands-on resource clearly explains the principles and practices of commercial aviation safetyâ •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:â ª ICAO, FAA, EPA, TSA, and OSHA regulationsâ ª NTSB and ICAO accident investigation processes â ª Recording and reporting of safety data â ª U.S. and international aviation accident statistics â ª Accident causation models â ª The Human Factors Analysis and Classification System (HFACS) â ª Crew Resource Management (CRM) and Threat and Error Management (TEM)â ª Aviation Safety Reporting System (ASRS) and Flight Data Monitoring (FDM)â ª Aircraft and air traffic control technologies and safety systems â ª Airport safety, including runway incursions â ª Aviation security, including the threats of intentional harm and terrorism â ª International and U.S. AviationÂ Â Safety Management Systems Â

## Book Information

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## Customer Reviews

Stephen Cusick, J.D., is an Associate Professor in the College of Aeronautics and the Director of the FAA Center of Excellence for General Aviation at the Florida Institute of Technology in

Melbourne, Florida.Â www.pegasas.aero.Â He is an experienced pilot with Commercial, Multiengine, Instrument and Helicopter flight ratings from FAA. He is engaged in aviation safety research in a variety of areas including Drone Safety, Aircraft Loss of Control in Flight, Helicopter Operations,Â Airport Runway Incursions, Fatigue Risk Management, and Aviation Safety Management Systems.Â He is a former U.S. Navy Captain, flight instructor, and Naval Aviator. During his legal career he served as an attorney with the U.S. Navy General CounselÂ and as corporate counsel serving high technology aerospace companies.Â He is a frequent consultant and speaker in the area of Aviation Safety.Â He is a recipient of the General Dynamics Award for Aviation Excellence.Â Â Antonio Cortes, Ph.D., is the Associate Dean of the College of Aviation and an Associate Professor of Applied Aviation Sciences at Embry-Riddle Aeronautical University in Daytona Beach, Florida. He previously served as the Chair of the Applied Aviation Sciences Department and has taught Airline Operations, Airport Safety, Accident Investigation, Crew Resource Management, and Safety Management Systems.Â His research has included expectation bias in airline pilots, using flight data to measure precursors to loss of control in-flight and human performance, simulation of tactile ground icing inspections, and airline pilot training success measures.Â He has experience as an air safety investigator, FOQA/ASAP manager, airline pilot, and U.S. Air Force pilot and safety officer.Â His recognitions include the FAA Distinguished Service Award for safety, the NASA Honor Award for research in human factors, and the U.S. Air Force General Turner Award for outstanding flight crew performance.Â 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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