Aviation Safety A Balanced Industry Approach

As part of the national effort to improve aviation safety, the Federal Aviation Administration (FAA) chartered the National Research Council to examine and recommend improvements in the aircraft certification process currently used by the FAA, manufacturers, and operators. Winner, 2018 Law & Legal Studies PROSE Award The consequences of big data and algorithm-driven policing and its impact on law enforcement In a high-tech command center in downtown Los Angeles, a digital map lights up with 911 calls, television monitors track breaking news stories, surveillance cameras sweep the streets, and rows of networked computers link analysts and police officers to a wealth of law enforcement intelligence. This is just a glimpse into a future where software predicts future crimes, algorithms generate virtual "most-wanted" lists, and databanks collect personal and biometric information. The Rise of Big Data Policing introduces the cutting-edge technology that is changing how the police do their jobs and shows why it is more important than ever that citizens understand the far-reaching consequences of big data surveillance as a law enforcement tool. Andrew Guthrie Ferguson reveals how these new technologies —viewed as race-neutral and objective—have been eagerly adopted by police departments hoping to distance themselves from claims of racial bias and unconstitutional practices. After a series of high-profile police shootings and federal investigations into systemic police misconduct, and in an era of law enforcement budget cutbacks, data-driven policing has been billed as a way to "turn the page" on racial bias. But behind the data are real people, and difficult questions remain about racial discrimination and the potential to distort constitutional protections. In this first book on big data policing,

Ferguson offers an examination of how new technologies will alter the who, where, when and how we police. These new technologies also offer data-driven methods to improve police accountability and to remedy the underlying socio-economic risk factors that encourage crime. The Rise of Big Data Policing is a must read for anyone concerned with how technology will revolutionize law enforcement and its potential threat to the security, privacy, and constitutional rights of citizens. Read an excerpt and interview with Andrew Guthrie Ferguson in The Economist.

Aviation Safety: A Balanced Industry ApproachCengage Learning
AVIATION SAFETY: A BALANCED INDUSTRY APPROACH, first edition provides an innovative approach to the presentation of contemporary aviation safety detailing a number of pertinent subject matter areas. This book is designed to enhance the pedagogy of aviation safety by presenting topics and information that are derived from and directly applicable to various aspects of the aviation industry. Featuring issues on contemporary aviation safety, flight safety programs, regulatory organizations, ground operations safety, gap analysis, ethics, and safety management systems, the book provides a theoretical background to safety issues, all while making a significant connection to how the information can be directly applied to the aviation industry. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

On Jan. 16, 2006, a contract mechanic in El Paso, TX, was killed while troubleshooting an engine oil leak as two pilots performed an engine run-up procedure. Within 24 hours, the pilots submitted a request for the accident to be accepted into the air carrier¿s ASAP. ASAP is a joint FAA and industry program intended to generate safety info. through voluntary disclosure that may not be otherwise obtainable to identify potential precursors to accidents. The program allows aviation employees to self-report safety violations to air carriers and FAA, without fear of reprisal through legal or disciplinary actions. This report assesses FAA¿s implementation of ASAP and identifies improvements necessary for FAA to obtain maximum safety benefits from the program.

Examines the outcomes of the Federal Aviation Administration's inspection process in FY 1990 through 1996 and how this process could be strengthened to better assess and encourage compliance with aviation safety and security regulations. Also examines the outcome of FAA's enforcement process during this period and how this process could be strengthened to better address potential violations of aviation safety and security regulations. Contains recommendations to the Secretary of Transportation for improving FAA's enforcement of aviation safety and security regulations. Charts and tables. AVIATION SAFETY: A BALANCED INDUSTRY APPROACH, International Edition

provides an innovative approach to the presentation of contemporary aviation safety detailing a number of pertinent subject matter areas. This book is designed to enhance the pedagogy of aviation safety by presenting topics and information that are derived from and directly applicable to various aspects of the aviation industry. It features issues on contemporary aviation safety, flight safety programs, regulatory organizations, ground operations safety, gap analysis, ethics, and safety management systems. The book provides a theoretical background to safety issues, while making a significant connection to how the information can be directly applied to the aviation industry.

AVIATION SAFETY: A BALANCED INDUSTRY APPROACH,focuses on various aspects of safety pertinent to the aviation industry. Featuring issues on contemporary aviation safety, flight safety programs, regulatory organizations, ground operations safety, gap analysis, ethics, and safety management systems, the book provides a theoretical background to safety issues, while making a significant connection to how the information can be directly applied to the aviation industry. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Among its responsibilities for aviation safety, the FAA issues thousands of certificates and approvals annually. These certificates and approvals, which FAA bases on its interpretation of federal standards, indicate that such things as new aircraft, the design and production of

aircraft parts and equipment, and new air operators are safe for use in the national airspace system. FAA's interpretations may produce variation in its decisions and inefficiencies that adversely affect the industry. This report examined the: (1) extent of variation in FAA's interpretation of standards for certification and approval decisions; and (2) views of key stakeholders and experts on how well these processes work. Charts and tables. This is a print on demand report.

Copyright: 42af9b65ee3c8b128e5e51826bb5c2cd