

Boeing 737 Flight Crew Training

Most aviation accidents are attributed to human error, pilot error especially. Human error also greatly effects productivity and profitability. In his overview of this collection of papers, the editor points out that these facts are often misinterpreted as evidence of deficiency on the part of operators involved in accidents. Human factors research reveals a more accurate and useful perspective: The errors made by skilled human operators - such as pilots, controllers, and mechanics - are not root causes but symptoms of the way industry operates. The papers selected for this volume have strongly influenced modern thinking about why skilled experts make errors and how to make aviation error resilient.

On July 26, 2002, about 0537 eastern daylight time, Federal Express flight 1478, a Boeing 727-232F, on its way from Memphis International Airport to Tallahassee Regional airport, struck trees on short final approach and crashed short of runway 9 at the Tallahassee Regional Airport, Florida. The flight was operating as a scheduled cargo flight from Memphis, to Tallahassee. The captain, first officer, and flight engineer were seriously injured, and the airplane was destroyed by impact and resulting fire. Night visual meteorological conditions prevailed for the flight, which operated on an instrument flight rules flight plan. The National Transportation Safety Board determines that the probable cause of the accident was the crew's failure to establish and maintain a proper glidepath during the night visual approach to landing. Contributing to the accident was a combination of the captain's and first officer's fatigue, the crew's failure to monitor the approach, and the first officer's color vision deficiency.

This book is a concise practical treatise for the student or experienced professional aircraft designer. This volume comprises key applied subjects for performance based aircraft design: systems engineering principles; aircraft mass properties estimation; the aerodynamic design of transonic wings; aircraft stability and control; takeoff and landing runway performance. This book may serve as a textbook for an undergraduate aircraft design course or as a reference for the classically trained practicing engineer.

Is it Safe?

AIR CRASH INVESTIGATIONS, FLYING COFFIN? The Near Crash of Olympic Airlines Flight OA202

Department of Transportation and Related Agencies Appropriations for 2001: Department of Transportation: Federal Aviation Administration

AIR CRASH INVESTIGATIONS GHOSTS? The Crash of Eastern Air Lines Flight 401

The Crash of Aeroflot Flight 821

Foundations of Safety Science

On 19 December 1997 SilkAir Flight 185, a Boeing 737-300, operated by SilkAir, Singapore, on its way from Jakarta to Singapore, crashed at about 16:13 local time into the Musi river near Palembang, South Sumatra. All 97 passengers and seven crew members were killed. Prior to the sudden descent from 35,000 feet, the flight data recorders stopped recording at different times. There were no mayday calls transmitted from the airplane prior or during the rapid descent. The weather at the time of the crash was fine.

On 14 August 2005, a Boeing 737-300 aircraft departed from Larnaca, Cyprus, for Prague. As the aircraft climbed through 16,000 ft, the Captain contacted the company Operations Centre and reported a Take-off Configuration Warning and an Equipment Cooling System problem. Thereafter, there was no response to radio calls to the aircraft. At 07:21 h, the aircraft was intercepted by two F-16 aircraft of the Hellenic Air Force. They observed the aircraft and reported no external damage. The aircraft continued descending and crashed approximately 33 km northwest of the Athens International Airport. All 121 people on board were killed.

Founded in 1961 as Euravia by British businessman Ted Langton and aviation consultant J.E.D. Walker, at a time of considerable turmoil for the independent sector of the British air operators' industry, Britannia Airways went on to become the world's largest holiday airline. Just as Court Line evolved from Autair, so Britannia Airways evolved from Euravia. Both UK airlines had strong links with the travel industry:

Court Line with Clarksons Holidays, and Britannia with the Thomson Group, in particular the 'Sky Tours' brand. Both were innovative in their own ways, and both grabbed the UK travel industry by the scruff of the neck and shook it into the jet age – Court line traveling down the brasher cheap-and-cheerful road, while Britannia took the more staid, upmarket route. By 1972, Britannia had developed to such a degree that

it was the biggest of the British independent charter airlines. It was also a groundbreaking operation - during the late 1960s, it became the first charter airline to offer assigned seating, as well as hot in-flight meals. Prior to the mid-1970s, Britannia, much like other British carter airlines of the era, had concentrated upon low-cost flights to Spain and the use of provincial airports to provide its services.

The company's management, however, harbored ambitions to grow beyond this. As a result, for example, Britannia's 767s began regular charter flights between Britain and Australia in 1988, a route to New Zealand being added the following year. Between 1968 and 1984, Britannia carried nearly forty-two million passengers, while the company's fleet grew to include twenty-nine Boeing 737s and a pair of 767s. Drawing on the author's in-depth research and knowledge, as well as firsthand interviews with individuals such as Ted Langton, the original tour operator who wanted his own airline, and Jed Williams, who created Britannia, this the full story of one of the most important airlines in the history of civil aviation.

AIR CRASH INVESTIGATIONS CAPTAIN IN PANIC The Crash of Armavia Flight 967

Hearings Before a Subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Sixth Congress, Second Session

Flying Blind

AIR CRASH INVESTIGATIONS DEATH IN THE POTOMAC The Crash of Air Florida Flight 90

A Century of Understanding Accidents and Disasters

FAA Aviation Safety Journal

Boeing Flight Crew Training Manual737NG Training SyllabusFor Flight SimulationCreatespace Independent Pub

On December 29, 1972 an Eastern Air Lines' Lockheed L-1011, as Flight 401 on its way from John F. Kennedy International Airport, New York, to Miami International Airport, Miami, Florida, crashed at 2342 eastern standard time in the Everglades, approximately 18 miles west northwest of Miami International Airport. The aircraft was destroyed. There were 163 passengers and a crew of 13 aboard the aircraft, 99 people died in the crash. The flight was diverted because of problems with the nose landing gear The aircraft climbed to 2,000 feet while the crew attempted to correct the problem. Surviving passengers and crewmembers stated that the flight was routine and operated normally before impact with the ground. The National Transportation Safety Board determines that the probable cause of this accident, was preoccupation with a malfunction of the nose landing gear position indicating system distracted the crew's attention from the instruments and allowed the descent to go unnoticed.

On April 15, 2002, American Airlines Flight 625, a Boeing 727-85, operated as a scheduled passenger flight from Providence, Rhode Island, to Harry S Truman Airport, Charlotte Amalie, St. Thomas, Virgin Islands, with a stop at John F. Kennedy International Airport, New York. The flight departed JFK at 1200 with 88 persons, including 7 crewmembers, aboard. At about 1510, during landing at the Harry S Truman Airport, Charlotte Amalie, St. Thomas, Virgin Islands, flight 625 overran the departure end of runway 9, struck the ILS antenna, crashed through a fence, and came to rest against a building located 1,040 feet beyond the end of the runway. The aircraft was destroyed, 35 passengers and 2 flight attendants were killed. The National Transportation Safety Board determines that the probable cause of the accident was the captain's actions and his judgment in initiating a go-around maneuver with insufficient runway remaining after a long touchdown.

Flight Attendants Lost In the Line of Duty

hearings before the Subcommittee on Aviation of the Committee on Public Works and Transportation, House of Representatives, Ninety-ninth Congress, first session, October 2, 30, 1985

Aircraft Performance Weight and Balance

The World's Largest Holiday Airline

Boeing Flight Crew Training Manual

Actual Accounts of Flight Attendant Actions in Life-Threatening Incidents

NEW YORK TIMES BUSINESS BEST SELLER
A suspenseful behind-the-scenes look at the dysfunction that contributed to one of the worst tragedies in modern aviation: the 2018 and 2019 crashes of the Boeing 737 MAX. An "authoritative, gripping and finely detailed narrative that charts the decline of one of the great American companies" (New York Times Book Review), from the award-winning reporter for Bloomberg. Boeing is a century-old titan of industry. It played a major role in the early days of commercial flight, World War II bombing missions, and moon landings. The planemaker remains a cornerstone of the U.S. economy, as well as a linchpin in the awesome routine of modern air travel. But in 2018 and 2019, two crashes of the Boeing 737 MAX 8 killed 346 people. The crashes exposed a shocking pattern of malfeasance, leading to the biggest crisis in the company's history—and one of the costliest corporate scandals ever. How did things go so horribly wrong at Boeing? Flying Blind is the definitive exposé of the disasters that transfixed the world. Drawing from exclusive interviews with current and former employees of Boeing and the FAA; industry executives and analysts; and family members of the victims, it reveals how a broken corporate culture paved the way for catastrophe. It shows how in the race to beat the competition and reward top executives, Boeing skimped on testing, pressured employees to meet unrealistic deadlines, and convinced regulators to put planes into service without properly equipping them or their pilots for flight. It examines how the company, once a treasured American innovator, became obsessed with the bottom line, putting shareholders over customers, employees, and communities. By Bloomberg investigative journalist Peter Robison, who covered Boeing as a beat reporter during the company's fateful merger with McDonnell Douglas in the late '90s, this is the story of a business gone wildly off course. At once riveting and disturbing, it shows how an iconic company fell prey to a win-at-all-costs mentality, threatening an industry and endangering countless lives.

On April 15, 2002, Air China flight 129, a Boeing 767-300ER, operated by Air China, en route from Beijing, China to Busan, Korea, crashed on Mt. Dodsdae, near Gimhae Airport, Busan. Of the 166 persons on board, 37 persons survived the crash, while 129 occupants were killed. The Korean Aviation Accident Investigation Board (KAAIB) determined that the probable cause of the crash was pilot error due to poor crew resource management and lost situational awareness during the circling approach of the runway. The Chinese investigation team pointed out that the Korean ATC was not fully licensed and mistakenly directed the airliner to descend to a wrong altitude and that the airport did not inform the crew of the weather conditions at the time. A contributing factor was that the airline made all announcements in Chinese and English, while most passengers were Korean.

"The pilots were attempting to return to Honolulu but with the failure of both engines on the right wing of the UAL 747, combined with massive structural damage, there was a very real possibility that they would be required to ditch. The thought of ditching into the ocean in the dark of night is daunting. The flight attendants could have secured themselves in their jump seats but instead stood in their jump seats to prepare their passengers. The roar of the air rushing by at a speed of 190 to 200 knots was deafening in the cabin. The flight attendants could only "mime" the instructions for passengers to look at their Safety Cards and to demonstrate the donning of life vests."
"The Aloha 737 was severely damaged, literally not a convertible and was in emergency descent with speeds of 280 to 290 knots. The roar of the wind was deafening. The forward flight attendant had been sucked out of the cabin as it ruptured. The aft flight attendant was seriously injured. The mid flight attendant, suffering minor injuries and being the only one able, rather than securing herself in her jump seat, she crawled up and down the aisle calming her passengers and assisting the injured."
Flight Attendants Lost offers a fascinating look into what went on inside the airplane from actual aircraft accident and incident case studies spanning decades and countries. The book captures the intense training, the ongoing vigilance, the behind the scenes team work and the committed actions of flight attendants in emergency situations. It uncovers the complexities of aircraft safety design and makes sense of the reasons behind safety rules and regulations making this book an educational must read for air travellers. Flight Attendants Lost is not only an eye-opener but is a reassuring read that will make you look at flying differently. It is also a beautifully written memorial tribute to the hundreds of flight attendants who, over the years, have given their lives in the Line of Duty.

Why Flying Commercial Airliners is Still a Risky Business, and What Can Be Done about it : this Book May Save Your Life!

AIR CRASH INVESTIGATIONS: MECHANICAL FAILURE OR SUICIDE (1) the Crash of SilkAir Flight 185

The 737 MAX Tragedy and the Fall of Boeing

For Flight Simulation

The World's Most Controversial Commercial Jetliner

6 months in the life of an Airline pilot

During the night of 04th May 2007, the B737-800, registration 5Y-KYA, operated by Kenya Airways as flight KQA 507 from Abidjan international airport (C te d'Ivoire), to the Jomo Kenyatta airport Nairobi (Kenya), made a scheduled stop-over at the Douala international airport (Cameroon). The weather was stormy. A number of departing planes decided to wait for the weather to improve. Kenya Airways, however, decided to depart. Shortly after take-off at about 1000 ft, the aircraft entered into a slow right roll that increased continuously and eventually ended up in a spiral dive. On the 5th May 2007 at approximately 0008 hrs, the airplane crashed in a mangrove swamp South-South-East of Douala. All 114 people on board were killed and the airplane was completely destroyed. The airplane crashed after loss of control by the crew as a result of spatial disorientation, after a long slow roll, during which no instrument scanning was done, and in the absence of external visual references in a dark night.

Nicolas Tenoux, born in 1983 in Paris, has a triple training. He is airline pilot, holds an MSc in Aviation and Certificates in Management. Philanthropist through his community life activities, awarded with the Civic Star (Etoile Civique), he shares with us his daily life as a pilot and his advice on how to enjoy the crew life and how to best combine it with your personal life. This book follows the author from his Airline pilot training at the CAE Sabena Flight Academy to his position as First Officer on Airbus A320. He gives us his analysis on the aviation trainings and reveals little-known aspects of the air crew profession. Some secrets are also divulged... From Dubai to Bucharest, via Brussels, London, Paris and other major cities, this book is both a practical guide of the pilot job and a sharing of the beauty of mankind's oldest dream: flying. It is aimed at future pilots who will find a guide for their studies, for pilots currently in training in order to have further knowledge and for all of those who are passionate about the magic of flying. The preface is written by Fabrice Bardeche, IONIS Education Group VP (biggest private higher education group in France), ICAO and Space engineering College VP.

The Lockheed 1011 registered AB-B5M, operated by Star Jet and chartered by Olympic Airlines, arrived on 4 July 2005 at Terminal 1 at Paris Charles de Gaulle airport. Departure was delayed because the forward hold door could not be closed. A mechanic tried to close the door manually with a hammer and a chuck. Some passengers, worried about the apparent state of the cabin and the noise, asked to disembark, and this led to a mass movement. The airplane took finally off at 16h17. Shortly after departure the crew noticed problems with engine number 3. The captain requested the SEVERE DAMAGE procedure and returned to the airport. The French Bureau d'Enqu tes et d'Analyses pour la curit de l'aviation civile (BEA) investigated the incident. BEA found out that the aircraft suffered from many problems, such as leaking fuel, malfunctioning safety features and lacking maintenance. The flight crew was not properly licensed, the captain was too old to fly in Europe. The Lockheed Tristar was a flying coffin.

AIR CRASH INVESTIGATIONS, INFERNO IN AMSTERDAM The Crash of El Al Flight 1862

Air Crash Investigations: The Crash of Helios Airways Flight 522

Departments of Transportation and Treasury, and Independent Agencies Appropriations for 2004

Aircraft Performance and Sizing, Volume II

Fundamentals of International Aviation

International aviation is a massive and complex industry that is crucial to our global economy and way of life. Designed for the next generation of aviation professionals, Fundamentals of International Aviation, second edition, flips the traditional approach to aviation education. Instead of focusing on one career in one country, it introduces readers to the air transport sector on a global scale with a broad view of all the interconnected professional groups. This text provides a foundation of ' how aviation works ' in preparation for any career in the field (including regulators, maintenance engineers, pilots, flight attendants, airline and airport managers, dispatchers, and air traffic controllers, among many others). Each chapter introduces a different cross-section of the industry, from air law to operations, security to environmental impacts. A variety of learning tools are built into each chapter, including 24 case studies that describe an aviation accident related to each topic. This second edition adds new learning features, geographic representation from Africa, a new chapter on economics, full-color illustrations, and updated and enhanced online resources. This accessible and engaging textbook provides a foundation of industry awareness that will support a range of aviation careers. It also offers current air transport professionals an enriched understanding of the practices and challenges that make up the rich fabric of international aviation.

The Boeing 737 is an American short- to medium-range twinjet narrow-body airliner developed and manufactured by Boeing Commercial Airplanes, a division of the Boeing Company. Originally designed as a shorter, lower-cost twin-engine airliner derived from the 707 and 727, the 737 has grown into a family of passenger models with capacities from 85 to 215 passengers, the most recent version of which, the 737 MAX, has become embroiled in a worldwide controversy. Initially envisioned in 1964, the first 737-100 made its first flight in April 1967 and entered airline service in February 1968 with Lufthansa. The 737 series went on to become one of the highest-selling commercial jetliners in history and has been in production in its core form since 1967; the 10,000th example was rolled out on 13 March 2018. There is, however, a very different side to the convoluted story of the 737 ' s development, one that demonstrates a transition of power from a primarily engineering structure to one of accountability, number-driven powerbase that saw corners cut, and the previous extremely high safety methodology compromised. The result was 737 MAX having entered service in 2017, this model was grounded worldwide in March 2019 following two devastating crashes. 7 in this revealing insight into the Boeing 737, the renowned aviation historian Graham M. Simons examines its design, development and service over the decades since 1967. He also explores the darker side of the 737 ' s history, laying bare the politics, power-struggles, changes of management ideology and battles with Airbus that culminated in the 737 MAX debacle that has threatened Boeing ' s very survival. Captain Power-Waters covers all aspects of commercial aviation and brings the reader to the conclusion that it is a much more perilous means of transportation than generally suspected. Most of the material in this book has never been touched upon in any previous book on air safety. The following are a few of the subjects that are documented in this book. 1. There are no U.S. airports that have adequate firefighting procedures. 2. Mechanically impaired airliners are allowed to fly when, in reality, they should be grounded. 3. The flushing of an airline toilet has imperiled the lives of passengers aboard the plane and people on the ground. 4. The air traffic control system is near collapse caused by the "bumbling" FAA. 5. Airline pilots are not thoroughly trained to recover from all modes of flight. 6. The Boeing 737 is the most popular airliner ever built, but it is potentially the most dangerous. "Captain Power-Waters brings an understanding and appreciation of Air Traffic control from two perspectives: as a pilot operating within the system; and as someone who possesses a vast knowledge of the ATC's work." -William A. Paville, Jr., National Air Traffic Controllers Association, President MKC. "If you are interested in the training of an airline captain, if you think your airline is safe, or if you think the FAA is totally interested in your safety, this is the book for you." -Carl T.Butterworth,Senior Captain,American Airlines, Ret.Brig.Gen.,ANG. "You obviously have done an extensive job researching this topic, and more importantly, it is clear you have lived the issues. I congratulate you on your effort." -Robert Roach, Jr., General Vice President, International Association of Machinists and Aerospace Workers.

AIR CRASH INVESTIGATIONS: LOST...The Crash of American Airlines Flight 965

AIR CRASH INVESTIGATIONS FATIGUE? The Crash of Federal Express Flight 1478

The Book of HUD

Human Error in Aviation

Flight crew factors for CTAS FMS integration in the terminal area

AIR CRASH INVESTIGATIONS, CAPTAIN LOST CONTROL The Crash of Kenya Airways Flight 507

On 25 February 2009 a Boeing 737-800, flight TK1951, operated by Turkish Airlines was flying from Istanbul in Turkey to Amsterdam Schiphol Airport. There were 135 people on board. During the approach to the runway at Schiphol airport, the aircraft crashed about 1.5 kilometres from the threshold of the runway. This accident cost the lives of four crew members, and five passengers. 120 people sustained injuries. The crash was caused by a malfunctioning radio altimeter and a failure to implement the stall recovery procedure correctly.

On January 13, 1982, Air Florida Flight 90, a Boeing 737-222, was a scheduled flight to Fort Lauderdale, Florida, from Washington National Airport, Washington, D.C. There were 74 passengers and 5 crewmembers on board. The flight was delayed about 1 hour 45 minutes due to a moderate to heavy snowfall. Shortly after takeoff the aircraft crashed at 1601 e.s.t. into the 14th Street Bridge over the Potomac River and plunged into the ice-covered river, 0.75 nmi from the departure end of runway 36. Four passengers and one crewmember survived the crash. Four persons in the vehicles on the bridge were killed; four were injured. The National Transportation Safety Board determines that the probable cause of this accident was the flightcrew's failure to use engine anti-ice during ground operation and takeoff, and to take off with snow/ice on the airfoil surfaces of the aircraft. Contributing to the accident were the ground delay between de-icing and takeoff clearance.

On 20 August 2008, Spanair flight JKK5022, a McDonnell Douglas DC-9-82 departed Madrid Barajas Airport on its way to Gran Canaria Airport.During take-off the aircraft crashed, due to pilot errors, near the end of runway 36L, killing 154 of the 172 people on board.

AIR CRASH INVESTIGATIONS, MECHANICAL FAILURE OR SUICIDE? (3), The E.C.A.A. (Egypt) View of the Crash of EgyptAir Flight 990

AIR CRASH INVESTIGATIONS: DEADLY MISTAKES The Crash of Air China Flight 129

AIR CRASH INVESTIGATIONS, MISJUDGMENT IN THE VIRGIN ISLANDS The Crash of American Airlines Flight 625

Commerce Business Daily

To Improve the detection of hazardous aviation weather

Applied Aerodynamic Design

On 14 September 2008 Aeroflot Flight 821, a Boeing 737-505, operated by Aeroflot-Nord, a subsidiary of the Russian airline Aeroflot, crashed on approach to Bolshoye Savino Airport, Perm, Russia. All 82 passengers and 6 crew members were killed. The aircraft was completely destroyed. According to the final investigation report, the main reason of the crash was pilot error. Both pilots had lost spatial orientation due to new instruments they were not familiar with, lack of proper training, insufficient knowledge of English and fatigue from lack of adequate rest. Alcohol in the Captain's blood may also have contributed to the accident.

On December 20, 1995, American Airlines Flight 965, a Boeing 757-223, was on a scheduled passenger flight from Miami, Florida, U.S.A., to Cali, Colombia. Close to its final destination the pilots erroneously cleared the approach waypoints from their navigation computer. When the controller asked the pilots to check back in over Tulua, north of Cali, it was no longer programmed into the computer. They were lost and the aircraft crashed into a mountain. Of the 163 people on board, 4 passengers survived miraculously the accident.

737NG Training Syllabus is the descriptive title for this beautifully illustrated 383 plus page document. The highly detailed, full color book is virtually crammed with original graphics and thousands of words of descriptive text that will provide a complete training syllabus for persons wishing to learn to operate the 737NG jet airliner. While intended specifically for the Flight Simulation market, professional airline pilots will find the information useful and informative. This is a guide intended to teach "simmers" how to fly the jet the way "The Pros do".

737NG Training Syllabus

Aircraft Accident Report

AIR CRASH INVESTIGATIONS: BURNED ALIVE IN MADRID, The Crash of Spanair Flight JKK5022

Air Crash Investigations: Hard Landing Kills 9, the Crash of Turkish Airlines Flight TK 1951 on Amsterdam Schiphol Airport

Daily life secrets ...

Air Crash Investigations

This book covers the physics of flight (basic), jet engine propulsion, principles and regulations of aircraft performance and other related topics, always with an innovative and simple approach to piloting and flight planning. This way, a traditionally complex study was made into something fun and easy. The book is focused on class A aircraft performance and is suitable for those who are unfamiliar with airplane performance, as well as for those with some previous background or experience who want to gain a more in-depth understanding of the subject matter. To sum up: pilots (professionals and students), flight dispatchers, aeronautical engineers and aviation enthusiasts. Happy reading!

This is an illustrated technical guide to the Boeing 737 aircraft. Containing extensive explanatory notes, facts, tips and points of interest on all aspects of this hugely successful airliner and showing its technical evolution from its early design in the 1960s through to the latest advances in the MAX. The book provides detailed descriptions of systems, internal and external components, their locations and functions, together with pilots notes and technical specifications. It is illustrated with over 500 photographs, diagrams, schematics.Chris Brady has written this book after many years developing the highly successful and informative Boeing 737 Technical Site, known throughout the world by pilots, trainers and engineers as the most authoritative open source of information freely available about the 737.

How are today's hearts and minds' programs linked to a late-19th century definition of human factors as people's moral and mental deficits? What do Heinrich's 'unsafe acts' from the 1930's have in common with the Swiss cheese model of the early 1990's? Why was the reinvention of human factors in the 1940's such an important event in the development of safety thinking? What makes many of our current systems so complex and impervious to Tayloristic safety interventions? 'Foundations of Safety Science' covers the origins of major schools of safety thinking, and traces the heritage and interlinkages of the ideas that make up safety science today. Features Offers a comprehensive overview of the theoretical foundations of safety science Provides balanced treatment of approaches since the early 20th century, showing interlinkages and cross-connections Includes an overview and key points at the beginning of each chapter and study questions at the end to support teaching use Uses an accessible style, using technical language where necessary Concentrates on the philosophical and historical traditions and assumptions that underlie all safety approaches

Hearings Before a Subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Eighth Congress, First Session

Department of Transportation and Related Agencies Appropriations for 2001

Human Factors Issues in Head-up Display Design

Boeing 737

Britannia Airways

The Boeing 737 Technical Guide

On 2 May 2006 Armavia Flight RNV 967, an Airbus A320, was on its way from Zvartnots (Yerevan, Armenia) to Adler (Sochi, Russia). There were 113 occupants on board: 105 passengers (including 5 children and 1 baby), 2 pilots,1 aircraft engineer and 5 flight attendants. Upon approaching Sochi there was confusion in regard to the weather for the scheduled landing. Finally the captain decided to return to Zvartnots, a short while later he reconsidered his decision and started the approach to Sochi after all. Just before final landing air traffic control told the captain to abort the landing. At 22:13 the aircraft struck the water, it broke up on impact, killing all aboard. The investigation concluded that the crash of Armavia Flight 967 was a Controlled Flight Into Terrain (CFIT), specifically water, while conducting a climbing manoeuvre, after an aborted approach, along with inadequate control inputs from the Captain to Sochi airport at night with weather conditions below landing minimums for runway 06.

On October 31, 1999, EgyptAir flight 990, a Boeing 767-366ER, crashed into the Atlantic Ocean 60 miles south of Nantucket, Massachusetts. All 217 people on board were killed, and the airplane was destroyed. According to the Egyptian Investigation Team a mechanical defect of the accident, there is no credible evidence to support a conclusion that the First Officer intentionally dove the airplane into the ocean in fact.

On 4 October 1992, El Al Israel Airlines Flight 1862, a Boeing 747-200 Freighter, departed from Schiphol Airport, Amsterdam, on its way to Tel Aviv, Israel. Seven minutes after take-off the plane lost engine no. 3 and 4 and crashed in an apartment block just outside Amsterdam, killing 43 people. The investigation concluded that the design and certification of the B 747 pylon was inadequate to provide the required level of safety. Furthermore the system to ensure structural integrity by inspection failed.