

# PILOT HEALTH AND MEDICAL CERTIFICATION

*Aviation Safety Starts Here*



**April 1, 2014**

Mayflower Hotel | Washington, DC



# PILOT HEALTH AND MEDICAL CERTIFICATION

## *Aviation Safety Starts Here*

The most critical safety feature on any airliner is the pilot. Join us for this informative one-day conference to explore and learn about the current state of pilot health and medical certification issues which not only influence safety, but also the pilot's livelihood and the airline's investment.

**Mayflower Hotel, Washington, DC**

## AGENDA

**TUESDAY, APRIL 1, 2014**

- 8:30 a.m.                    REGISTRATION & COFFEE**
- 9:00–9:20                    OPENING REMARKS**  
**Captain Lee Moak—President**  
*Air Line Pilots Association, Int'l*
- 9:20–10:30                    KEYNOTE ADDRESS**  
**Dr. Jim Fraser—Federal Air Surgeon**  
*Federal Aviation Administration*
- 10:30–11:30                    CURRENT AND FUTURE AEROMEDICAL ISSUES**  
**Moderator: Captain Sean Cassidy—First Vice President/  
National Safety Coordinator, Air Line Pilots Association, Int'l**  
**Dr. Jim Fraser—Federal Air Surgeon**  
*Federal Aviation Administration*  
**Dr. David A. Salisbury—Director, Medicine**  
*Transport Canada*  
**Captain Jerry McDermott—National Pilot Assistance  
Chairman, Air Line Pilots Association, Int'l**
- 11:30–1:00                    KEYNOTE LUNCHEON—“A JOURNEY BACK TO LIFE”**  
**Captain Luis Perez, United Airlines**
- 1:00–2:00                    PROACTIVE FITNESS FOR DUTY**  
**Moderator: Captain John Taylor—Aeromedical Chairman**  
*Air Line Pilots Association, Int'l*  
**Dr. Michael Berry—Deputy Federal Air Surgeon**  
*Federal Aviation Administration*  
**Dr. Keith Martin—Chairman of the Board**  
*Aviation Medicine Advisory Service*  
**Dr. Thomas Bettes—Medical Director**  
*American Airlines*

**2:00–3:00****IMPROVING THE SPECIAL ISSUANCE PROCESS****Moderator: Captain Patrick Cowle—Aeromedical Vice Chairman, Air Line Pilots Association, Int'l****Dr. Michael Berry—Deputy Federal Air Surgeon  
Federal Aviation Administration****Dr. John Hastings—Neurological Consultant  
Federal Aviation Administration****Dr. Keith Martin—Chairman of the Board  
Aviation Medicine Advisory Service****3:00–3:30****Q&A ROUNDTABLE WITH THE SPEAKERS****Moderator: Captain John Taylor—Aeromedical Chairman, Air Line Pilots Association, Int'l****Dr. Jim Fraser—Federal Air Surgeon  
Federal Aviation Administration****Dr. John Hastings—Neurological Consultant  
Federal Aviation Administration****Dr. Keith Martin—Chairman of the Board  
Aviation Medicine Advisory Service****Captain Jerry McDermott—National Pilot Assistance Chairman, Air Line Pilots Association, Int'l****Captain Luis Perez, United Airlines****Dr. David A. Salisbury—Director, Medicine  
Transport Canada****3:30–3:45****CLOSING****Captain Sean Cassidy—First Vice President/National Safety Coordinator, Air Line Pilots Association, Int'l**

## SPEAKER BIOGRAPHIES

### Michael A. Berry, M.D., M.S.

*Deputy Federal Air Surgeon, Federal Aviation Administration*

In March 2014, Michael A. Berry was selected as the FAA Deputy Federal Air Surgeon. He has been a senior aviation medical examiner for the FAA since 1979 and an aviation medical examiner for Transport Canada.

Dr. Berry received his MD from the University of Texas Southwestern Medical School in Dallas in 1971. After a general surgery internship in the United States Air Force, he spent four years as a fighter squadron flight surgeon in Spain and England. In 1976, he entered his residency in Aerospace Medicine at Ohio State University in Columbus, Ohio, and received his master's in preventive medicine in 1977. In 1978, he was certified by the American Board of Preventive Medicine in aerospace medicine.

Following his residency, Dr. Berry became the chief of the Flight Medicine Clinic at the NASA Johnson Space Center in Houston, Tex., where he was responsible for the screening and selection of new astronauts and participated in the certification and training of astronauts for space flight. In addition to participating in the extensive medical preparations for the first flight of the Space Shuttle, he served as a member of the Flight Control Team for the first two flights of the Shuttle Columbia.

On leaving NASA in 1981, Dr. Berry entered the private practice of aerospace medicine with Preventive & Aerospace Medicine Consultants, in Houston where he was a consultant and FAA aviation medical examiner for 25 years. During this time, he also served as an FAA Human Intervention Motivation Study (HIMS) trained AME, monitoring many airline and corporate pilots during their recoveries. In 2006, Dr. Berry accepted a senior executive position with the Federal Aviation Administration in Washington, D.C., as the manager, Medical Specialties Division at FAA Headquarters.

Dr. Berry is a fellow of the Aerospace Medical Association and the American College of Preventive Medicine. He is a past president of the Aerospace Medical Association, past vice president of the Civil Aviation Medical Association, and past president of the International Academy of Aviation and Space Medicine. He served as a board member and trustee of the American Board of Preventive Medicine and as the vice chair for Aerospace Medicine. Dr. Berry is the recipient of numerous national awards, has several academic appointments, and authored many scientific papers and book chapters.

## Dr. Thomas Bettes

*Corporate Medical Director, American Airlines*

Dr. Thomas Bettes is a board-certified Occupational Medicine, Family Medicine, and Addiction Medicine physician who currently serves as the Corporate Medical Director for American Airlines. One of his many significant roles with American is oversight of the occupational Fitness-For-Duty and preventive health for the company's 26,000 flightcrew personnel.

Dr. Bettes is a past U.S. Air Force Reserve flight surgeon, licensed medical review officer, FAA-designated senior aviation medical examiner, and certified independent medical examiner, holds memberships in the American Academy of Family Physicians and the American Academy of Addiction Medicine, and is a Fellow of the American College of Occupational and Environmental Medicine and the Aerospace Medical Association.

Dr. Bettes graduated from the University of Texas Medical Branch in 1982 and received his masters of public health in occupational and environmental health from the University of Oklahoma in 1992. Dr. Bettes completed his residency in occupational medicine serving as chief resident at the University of Oklahoma from 1992–1993.

## Captain Sean Cassidy

*First Vice President/National Safety Coordinator,  
Air Line Pilots Association, Int'l*

Captain Sean P. Cassidy (Alaska) serves as the Air Line Pilots Association, Int'l (ALPA) first vice president. He was elected on Oct. 13, 2010, at the Association's 43rd Board of Directors meeting, and assumed office on Jan. 1, 2011. He holds the position of national safety coordinator, and is tasked with overseeing the Association's Safety, Security, and Pilot Assistance programs. In addition to being a frequent spokesman at a number of venues on safety issues, he is also a member of the FAA NextGen Advisory Committee Subcommittee as well as the DHS Aviation Security Advisory Committee.

"ALPA's strength comes from identifying the values we have in common as pilots around the globe, and then working constructively with our industry partners as well as our regulators and legislators to map out a safe and successful plan to meet the challenges ahead," said Cassidy.

Cassidy has served as both chairman and vice chairman of the Alaska Airlines Master Executive Council. He was chairman of the Alaska Air Group Labor Coalition from 1999 to 2009 and has been actively involved in local and national aviation issues for over a decade. Hired by Alaska in 1996, Cassidy is a Seattle-based B-737 captain.

Prior to his airline experience, Cassidy received an officer commission in the U.S. Navy. He attended the Navy's undergraduate pilot training and advanced jet training programs, and was assigned to Whidbey Naval Air Station from 1989 to 1995. Cassidy performed duties as a carrier-based EA-6B pilot in support of numerous military operations, including those in the Persian Gulf, and finished his naval career flying the C-9 as an officer in the reserves.

Cassidy resides in Washington, D.C., with his wife, Annemarie, and their two children. He has a BA from the University of Colorado.

### **Captain Patrick Cowle**

*Aeromedical Vice Chairman, Air Line Pilots Association, Int'l*

Captain Patrick Cowle is the Aeromedical vice chairman for the Air Line Pilots Association, Int'l (ALPA), and a United Airlines 777 captain based in Chicago. At United, he has served as the chairman of the Aeromedical Committee at both the Local and Master Executive Council level.

Prior to joining United in 1987, Captain Cowle was an aircraft commander with the Wisconsin Air National Guard, overseeing pilot selection and mentoring of new officers. He earned various combat awards in Operation Desert Storm, and is a distinguished graduate of the Academy of Military Science. He is also a graduate of the University of Wisconsin, with a bachelor of science in allied health.

Captain Cowle resides in Wisconsin and enjoys beekeeping and skiing.

### **Dr. Jim Fraser**

*Federal Air Surgeon, Federal Aviation Administration*

Dr. Fraser completed a 30-year Navy career and retired as a captain (O6) in January 2004. He holds bachelor of arts, master of public health, and doctor of medicine degrees, all from the University of Oklahoma. He is certified in the specialties of preventive medicine (aerospace medicine) and family practice. He is a fellow of the Aerospace Medical Association and the American Academy of Family Physicians. He is an emeritus member of the Society of U.S. Naval Flight Surgeons, where he served as president from 2002 to 2003. In January 2004, he was selected for the Federal Aviation Administration (FAA) Executive Service and served as the manager, Medical Specialties, in the Office of Aerospace Medicine at its headquarters in Washington, D.C. In April 2006, he was appointed the deputy federal air surgeon, and was appointed federal air surgeon in February 2014.

## Dr. John Hastings

*Neurological Consultant, Federal Aviation Administration*

Dr. Hastings is a physician with dual board certification in neurology and aerospace medicine. He served 36 years as an aviation medical examiner (AME) and senior AME. He has taught initial and recurrent training for AMEs at FAA seminars for 33 years. He serves as a senior neurological consultant to the federal air surgeon. Dr. Hastings holds teaching clinical positions in aerospace medicine programs at the University of Texas Medical Branch at Galveston and Wright State University. He has authored chapters in aviation medicine texts and was a contributing author to the ICAO's civil aviation manual. Dr. Hastings is a past president of the Aerospace Medicine Association and Civil Aviation Medical Association and served for 14 years as chairman of the Experimental Aircraft Association Aeromedical Advisory Council. Dr. Hastings holds a commercial pilot certificate with multiengine and instrument ratings and has accumulated 6,200 flying hours in 46 years. He is a Chicago native now residing in Tulsa, Okla.

## Dr. Keith Martin

*Chairman of the Board, Aviation Medicine Advisory Service*

Dr. Martin is chairman and co-founder of the Aviation Medicine Advisory Service (AMAS). He is a graduate of the University of Richmond and the Medical College of Virginia School of Medicine. He completed his residency in aerospace medicine at the United States Air Force School of Aerospace Medicine in 1985, after receiving his master's degree in public health from the University of California at Berkeley in 1984.

From 1985 through 1991, he worked as chief, Aeromedical Education Division, at the United States Army School of Aviation Medicine directing the U.S. Army flight surgeon course. He served on the U.S. Army aeromedical consultant's advisory panel participating in waiver review recommendations for all U.S. Army aviators. Dr. Martin was recipient of the U.S. Army's 1986 Aerospace Medicine Specialist of the Year Award.

Since 1991, Dr. Martin's practice has focused on civilian FAA aeromedical certification. As co-owner and aeromedical advisor with AMAS, he has consulted and represented thousands of commercial pilots and air traffic controllers in maintaining and obtaining FAA medical certification. Dr. Martin is a certified medical review officer, having extensive background in DOT drug and alcohol testing procedures. He has served on several national task forces and consulting bodies regarding DOT drug and alcohol testing in airline pilots.

Previously serving as a senior flight surgeon in the United States Army and Army National Guard, Dr. Martin has extensive experience in rotary-wing aircraft, accident investigation, hypobaric medicine, and military medical certification. He retired from the Colorado Army National Guard in 2000.

Dr. Martin is board certified in aerospace medicine. He previously served on the clinical faculty at the University of Colorado Health Sciences Center in the department of Preventive Medicine and Biometrics. Dr. Martin is a fellow of the American College of Preventive Medicine, associate fellow of the Aerospace Medical Association, and a life member of the Society of U.S. Army Flight Surgeons.

### **Captain Jerry McDermott**

*National Pilot Assistance Chairman, Air Line Pilots Association, Int'l*

Jerry McDermott, a captain with United (formerly Continental) Airlines, was hired in June 1987 as a flight engineer on the B-727. Currently based in Newark, N.J., he has been flying the B-737 since 1990, over 11 years of that time as captain. Jerry was designated as a check airman on the B-737 in 2005. He is also type rated in the B-757 and B-767.

He began his aviation career in 1977 at Purdue University, where he received a bachelor of science degree in aviation technology in 1981.

Jerry joined the Air Line Pilots Association, Int'l (ALPA) Professional Standards Committee as a volunteer member at Continental in May 2001. He held positions as Local Executive Council 170 (EWR) ProStans lead for two years and Master Executive Council ProStans chair for five years. In 2007, Jerry was appointed to the position of ALPA National Professional Standards vice chair. In October 2009, he was appointed ALPA National Pilot Assistance chair.

In 2011, Captain McDermott's efforts and work in pilot assistance were recognized by the White House and Continental Airlines. In June 2011, he was invited to the White House and given a commendation as one of the administration's Champions of Change. In March 2012 he was selected Continental Airlines' 2011 Pilot of the Year for the Newark, N.J., base, primarily due to his efforts in assisting fellow pilots through his position with ALPA.

He and his wife, Malinda, live in Scottsdale, Ariz. They have three daughters and two grandchildren.

## Captain Lee Moak

*President, Air Line Pilots Association, Int'l*

Captain Lee Moak is the ninth president of the Air Line Pilots Association, Int'l (ALPA), which represents nearly 50,000 professional airline pilots in the United States and Canada and is the largest nongovernmental aviation safety organization in the world. He was elected by the union's Board of Directors on Oct. 13, 2010, and began his four-year term on Jan. 1, 2011.

As ALPA's chief executive and administrative officer, Captain Moak oversees daily operations of the Association and presides over the meetings of ALPA's governing bodies, which set policy for the organization. He is also the chief spokesman for the union, advancing pilots' views in the airline industry before Congress, Parliament, government agencies, airline and other business executives, and the news media.

As ALPA's president, Captain Moak is a member of the AFL-CIO Executive Council as well as the Executive Committee of the AFL-CIO Transportation Trades Department, where he chairs the body's Financial Oversight Committee. He serves on the FAA NextGen Advisory Committee, which is made up of industry decision makers and tasked with advising the administration on key-decision gates with regard to improving and modernizing the nation's aviation infrastructure. Captain Moak is also one of 10 individuals appointed to the FAA Management Advisory Council, which advises the agency on management, policy, spending, and regulatory matters.

In Washington, D.C., Captain Moak led the creation and implementation of ALPA's FAA reauthorization agenda, the bulk of which was signed into law as part of the FAA Modernization and Reform Act of 2012. Under his watch, numerous critical aviation safety measures have become reality, including a pathway toward NextGen, runway improvements, weather research to improve commercial air operations, and an authorization to keep essential airports operating to protect service to smaller communities. He has spearheaded the implementation of the Known Crewmember program, a cornerstone of the TSA's risk-based security protocol, and revised rest rules for pilots based on science.

Captain Moak oversaw an advocacy campaign that successfully pushed for an overhaul of the Export-Import Bank of the United States' widebody aircraft financing practices, the first such reforms in the Bank's 75-plus year history, helping to level the playing field for U.S. air carriers and their employees in the international marketplace. He also helped lead a coalition of aviation groups in successfully opposing the European Union's emissions trading scheme, an illegal tax on U.S.

airlines, and is currently leading the fight against other policies that put U.S. and Canadian air carriers and their pilots at a disadvantage versus foreign competitors.

Under Captain Moak's leadership, ALPA pilots have ratified 19 new contracts protecting and bettering their jobs, livelihoods, and families. Many of these agreements have represented large and historic gains for professional airline pilots, including the largest airline merger in history at United Continental.

A B-767 Delta Air Lines captain, Captain Moak joined ALPA in 1988. From 2005 to 2010, he served three terms as chairman of the Delta Master Executive Council. His leadership in this capacity was crucial during Delta's bankruptcy recovery and successful merger with Northwest Airlines.

Captain Moak continues to expand the traditional role of labor union leader through a policy of "active and constructive engagement" with any and all parties who can affect the professional lives and careers of the pilots he represents—from local reporters to international media, from Main Street to Wall Street, from regulators to legislators, from other unions to industry leaders around the globe—ensuring that ALPA pilots are an important force making constructive contributions in the process.

Prior to becoming an airline pilot, Captain Moak served nine years as a United States Marine Corps fighter pilot. He later transitioned to the Naval Air Reserve Force to finish his military career as a U.S. Navy fighter pilot.

Captain Moak is married and resides in New Orleans.

## Captain Luis Perez

*United Airlines*

Luis Perez is a pilot instructor with United Airlines in the 757/767 fleet. He joined United in 1995. He was raised in Cordoba, Argentina, and was introduced to aviation by his father, who took his brother and him flying at an early age.

At the age of 13, not being able to get a pilot's license, he began hang gliding and got his glider pilot's license and also began flying ultra-light aircraft. In 1987, Luis moved to the United States with wife, Maria, to pursue an aviation career. He initially worked at Walt Disney World in Orlando, Fla., to save for college, and, in 1989 he went to Embry-Riddle. While there, Luis flight instructed at local schools. He graduated in 1992 with a degree in aeronautical studies and airline management. He later joined Embry-Riddle as an instructor and subsequently was hired by an Argentine corporate jet operator before joining United in 1995.

Luis's first assignment at United was flying Boeing 737s for the shuttle based in LAX, and later transferred to San Francisco flying Boeing 757/767s.

In 1999, he joined United's Training Center as an instructor in the 757/767 fleet. His passion for learning and improving human performance has kept him at the training center ever since. He has worked to develop different training programs as well as computer-based training projects. His different life experiences led him to study the inner workings of the mind, and he is devoted to introducing "mind situational awareness" into aviation.

He lives in Colorado with his wife, Maria, and daughter, Victoria.

### **Captain John Taylor**

*Aeromedical Chairman, Air Line Pilots Association, Int'l*

Captain John Taylor is the current Air Line Pilots Association, Int'l (ALPA) National Aeromedical chairman. He is currently serving as the Pilot Assistance chairman and was previously the Aeromedical chairman for ExpressJet Airlines.

A current EMB-145 captain, check airman, and simulator instructor, he started with ExpressJet in 1996. He also is a cardiovascular and neurology ICU nurse in Houston, Tex. John has also worked as a critical-care transport nurse and paramedic. He is a graduate of University of Washington, Excelsior College, and current student at University of Wyoming in pursuit of his nurse practitioner license.

Captain Taylor believes in the holistic approach regarding recovery, including physical and mental wellness of recovery for pilots from the moment of diagnosis to their return to work.

## Dr. David A. Salisbury

*Director, Medicine, Transport Canada*

Dr. David Salisbury was appointed Director of Medicine, Civil Aviation, Transport Canada, in May 2008.

Dave was born and raised in Ottawa. He enrolled in the Canadian Forces (CF) in 1975. Dr. Salisbury graduated from Queen's University Medical School in 1978. After internship at McMaster University, he was posted as the base medical officer at CFB Portage la Prairie. In 1982 he was selected for the flight surgeon pilot program and commenced pilot training. He received his pilot wings in 1983 and stayed on at CFB Moose Jaw as the base surgeon where he was the pilot/physician in charge of the CF motion sickness treatment program and flight surgeon for the Snowbirds. He obtained his masters in occupational health from the University of British Columbia in 1987. In 1988 he attended the USAF residency in aerospace medicine at USAF School of Aerospace Medicine, Brooks AFB, San Antonio, Tex., and earned his USAF senior flight surgeon wings. He is board certified in aerospace medicine by the American Board of Preventive Medicine and has his Royal College fellowship in community medicine.

While in the military, Dave spent time in Manitoba, Saskatchewan, British Columbia, Texas, Croatia, and Ontario. His last position was as head of public health for the Canadian Forces at National Defence HQ in Ottawa. He had previously been medical advisor to the chief of the air staff and commanding officer of the Canadian Forces Environmental Medicine Establishment.

Upon retirement from the CF in 2004, Dr. Salisbury joined Ottawa Public Health and, in August 2005, was named medical officer of health of the City of Ottawa.

He has published numerous papers on occupational, aerospace, and community medicine. His research interests concern aircrew selection and the use of computerized databases in the study of occupational epidemiology. He spent a four-year term as the executive secretary of the clinical reasoning skills test committee of the Medical Council of Canada. He is a past president of the Canadian Aerospace Medicine and Aeromedical Transport Association, a past president of the International Association of Military Flight Surgeon Pilots, and he has been honoured as a fellow of the Aerospace Medicine Association as well as the 2011 recipient of the Civil Aviation Medical Association-sponsored John A. Tamisiea Memorial award. He and his wife, Els, live in Ottawa.







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