



Flight Safety Foundation



NATIONAL  
BUSINESS AVIATION  
ASSOCIATION, INC.

PRESENT THE **51ST ANNUAL**

**CORPORATE AVIATION SAFETY SEMINAR CASS**

# AVIATION SAFETY— SUPPORTING THE CORPORATE MISSION



MAY 9–11, 2006

PHOENIX, ARIZONA



**Flight Safety Foundation**



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BUSINESS AVIATION  
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## 51ST ANNUAL CORPORATE AVIATION SAFETY SEMINAR **CASS**

# AVIATION SAFETY — SUPPORTING THE CORPORATE MISSION

### Flight Safety Foundation

Flight Safety Foundation (FSF) is an international membership organization dedicated to the continuous improvement of aviation safety. Nonprofit and independent, the Foundation was launched officially in 1947 in response to the aviation industry's need for a neutral clearinghouse to disseminate objective safety information, and for a credible and knowledgeable body that would identify threats to safety, analyze problems and recommend practical solutions to them. Since its beginning, the Foundation has acted in the public interest to generate a positive influence on aviation safety. Today, the Foundation provides leadership to more than 900 member organizations in more than 150 countries.

### National Business Aviation Association

National Business Aviation Association (NBAA) is a trade association founded in 1947 to represent and protect the interests of the business aviation community. NBAA represents more than 7,500 companies that own or operate general aviation aircraft as an aid to the conduct of their business, or are involved with business aviation. The association presents the benefits of business aviation to the general public and represents members' interests as the principal advocate and voice for business aviation before the U.S. Congress, the Administration, state and local governments, and the news media.

### ABOUT THIS SEMINAR

The Corporate Aviation Safety Seminar is recognized as the premier forum for the discussion and exchange of safety information for corporate and business aviation operators. Each of the seminar presentations aims to deliver specific information that can be applied directly to corporate and business operations. People involved in the following areas will benefit by attending the CASS:

- Corporate operations management;
- Flight safety management;
- Maintenance management;
- Flight operations;
- Regional airline management;
- Insurance;
- Instruction and research;
- Aviation consulting;
- Regulatory oversight management; and,
- Equipment manufacturing and design.

### AGENDA DEVELOPMENT COMMITTEE

**Edward R. Williams**, chairman, FSF Corporate Advisory Committee (CAC), and president, Metropolitan Aviation Group

**Durwood J. Heinrich**, Ph.D., central regional representative, National Business Aviation Association

**Lisa Sasse**, national account executive, Air Routing International

**Terry Yaddaw**, vice president, Aviation Training International

**James M. Burin**, director of technical programs, Flight Safety Foundation

**Steve Brown**, senior vice president, operations, National Business Aviation Association

**George M. Ferito**, manager, Bell Helicopter Training Center

**Edward "Ted" Mendenhall**, vice chairman, FSF CAC, and aviation consultant, Flight Safety Foundation

**Sydney A. Baker**, director of aviation, Eastman Kodak

### SPONSOR/EXHIBITOR OPPORTUNITIES

Excellent opportunities are available for you to promote your company's products or services by exhibiting at the seminar or by sponsoring a seminar activity.

Exhibit information is available from the National Business Aviation Association (NBAA). Contact Sandy Wirtz, e-mail: [swirtz@nbaa.org](mailto:swirtz@nbaa.org), telephone: +1 (202) 783-9000.

Sponsor information is available from Flight Safety Foundation (FSF). Contact Ann Hill, e-mail: [hill@flightsafety.org](mailto:hill@flightsafety.org), telephone: +1 (703) 739-6700, ext. 105; or Ahlam Wahdan, e-mail: [wahdan@flightsafety.org](mailto:wahdan@flightsafety.org), telephone: +1 (703) 739-6700, ext. 102.

Visit our Internet sites: [www.flightsafety.org](http://www.flightsafety.org) and [www.nbaa.org](http://www.nbaa.org)

### PRELIMINARY AGENDA

## TUESDAY, MAY 9

- 0900–1200 FSF Corporate Advisory Committee (CAC)
- 1200–1700 **Registration**
- 1200–1700 Exhibit Hall Open With Refreshments
- 1700–1800 Speakers' Meeting
- 1830–2030 **Opening Reception — Sheraton Wild Horse Pass Resort & Spa—Akimel Lawn**

## WEDNESDAY, MAY 10

*The exhibit hall will be open during seminar hours.*

- 0730–1700 **Registration**
- 0730–0830 **Continental Breakfast in Exhibit Hall**
- 0830–0915 "Seminar Opening" — Edward R. Williams, chairman, FSF Corporate Advisory Committee (CAC), and president, Metropolitan Aviation Group
- "Welcome" — Stuart Matthews, president and CEO, Flight Safety Foundation
- "Welcome" — Ed Bolen, president and CEO, National Business Aviation Association
- 0915–0920 **Presentation of the Flight Safety Foundation Business Aviation Meritorious Service Award**

0920–0925 Moderators: Edward R. Williams, chairman, FSF Corporate Advisory Committee (CAC), and president, Metropolitan Aviation Group, and William Shaw, director–safety and standardization, BellSouth Corporate Aviation

0925–1000 “The Year in Review” — Robert Matthews, analysis team leader, Office of Accident Investigation, U.S. Federal Aviation Administration

1000–1030 **Refreshments in Exhibit Hall**

1030–1110 “Anatomy of an Accident” — David Huntzinger, vice president, safety and security, TAG Aviation

1110–1150 “Your Safety Culture — Proactive or Reactive?” — Durwood J. Heinrich, Ph.D., central regional representative, National Business Aviation Association

1150–1230 “Applying Operational Risk Management in Corporate Flight Operations” — Capt. Robert Sumwalt, manager of aviation, and Capt. Richard Boyer, standards captain, SCANA Corp.

1230–1400 **Lunch**

1400–1440 “Role of Human Factors Training and Error Management in the Aviation Maintenance Safety System” — David John Hall, aviation regulatory and safety consultant

1440–1520 “Ensuring Safety in the Hangar” — Joan Sullivan Garrett, CEO, MedAire

1520–1550 **Refreshments in Exhibit Hall**

1550–1630 “Hiring by Conviction: Raising Success to Significance” — Jodie Brown, M.A., president, Summit Solutions

1630–1710 “Ground Accident Prevention (GAP) Update” — Robert H. Vandel, executive vice president, Flight Safety Foundation

1830–1930 **Awards Reception**

## THURSDAY, MAY 11

*The exhibit hall will be open during seminar hours.*

0730–1700 **Registration**

0730–0830 **Continental Breakfast in Exhibit Hall**

0830–0910 “Center, We Have a Fire on Board and Need to Land Immediately: A Pilot’s Perspective on Dealing With Fire in Flight” — Capt. H.G. “Boomer” Bombardi, Delta Air Lines, and in-flight fire project chairman, Air Line Pilots Association, International

0910–0950 “Going Live With Corporate Flight Operational Quality Assurance (C-FOQA)” — Edward “Ted” Mendenhall, vice chairman, FSF CAC, and aviation consultant, Flight Safety Foundation

0950–1020 **Refreshments in Exhibit Hall**

1020–1100 “Hypoxia Awareness Training Using the ROBD” — Brian J. Hayvaz, chief operating officer, AirCare Solutions Group, FACTS Training

1100–1140 “Celebrating TAWS Saves, but Lessons Still to Be Learned” — Dan Gurney, aviation safety consultant

1140–1310 **Lunch**

1310–1350 “Passengers ... Liabilities or Assets” — G. Blain Stanley, director, AirCare Solutions Group, FACTS Training

1350–1430 “Human Factors Evaluation of Weather Radar Operations” — Ratan Khatwa, Ph.D., manager, flight safety human factors, Honeywell

1430–1500 **Refreshments in Exhibit Hall**

1500–1540 “Cockpit Automation: Are Pilots Becoming Too Dependent?” — John R. Williams, pilot instructor, CAE SimuFlite

1540–1600 “Seminar Closing” — Edward “Ted” Mendenhall, vice chairman, FSF CAC, and aviation consultant, Flight Safety Foundation

## SECOND ANNUAL MEDAIRE GOLF TOURNAMENT

**Monday, May 8**

Please join us for the Second Annual MedAire Golf Tournament on Monday, May 8, at the Whirlwind Golf Course at Sheraton Wild Horse Pass Resort & Spa.

The day will begin with an 0800 shotgun start and continental breakfast. An Arizona cookout lunch will be provided along with framed photos of each foursome, trophies and raffle prizes. Cost is US\$100 per person, and rental clubs will be available if needed. For more information, to register and for sponsorship information, please contact Debbi Laux, regional sales director business and general aviation, MedAire, telephone: +1 (480) 333-3725 or e-mail: [dlaux@medaire.com](mailto:dlaux@medaire.com).

## NBAA EMERGENCY RESPONSE PLANNING WORKSHOP BY THE VANALLEN GROUP

**Monday, May 8, and Tuesday, May 9**

This highly interactive two-day workshop provides knowledge and experience available nowhere else. Critical elements in the emergency-response process are highlighted, and participants and their organizations learn to ensure the best possible outcome.

*This two-day seminar requires separate registration and fees over and above the FSF fees. Cost of this seminar is US\$1,200 for NBAA members and FSF members and \$1,350 for nonmembers. Additional discounts are available for individuals from the same organization. To register or for more information, please visit the NBAA Internet site: <[www.nbaa.org](http://www.nbaa.org)>.*

## GUEST PROGRAM

**Wednesday, May 10**

Join your host, Lisa Sasse, Air Routing International, on a full-day tour of the most interesting and enjoyable sights of Phoenix. The cost is US\$150 and includes lunch and transportation.

For more information, telephone Ahlam Wahdan: +1 (703) 739-6700, ext. 102, or e-mail: [wahdan@flightsafety.org](mailto:wahdan@flightsafety.org).

# SHERATON WILD HORSE PASS RESORT & SPA RESERVATION

Please return this form via fax to:  
Fax: (520) 796-8339

**Flight Safety Foundation and National Business Aviation Association  
Corporate Aviation Safety Seminar (CASS)  
Saturday, May 6–Friday, May 12, 2006**

Mr.  Mrs.  Mr. & Mrs.  Ms.

SHARE WITH:  Mr.  Mrs.  Ms.

NAME OF FIRM

BUSINESS AREA CODE AND PHONE NUMBER

STREET ADDRESS

CITY

STATE

ZIP CODE

FAX#

E-MAIL

I WILL ARRIVE: \_\_\_\_\_

I WILL DEPART: \_\_\_\_\_

All reservations must be received by **Thursday, April 13, 2006**. Requests prior to this date will be made based on group space availability. Reservations received after this date will be based on availability at the resort's current rate.

CHECK-OUT TIME IS 12:00 NOON  
CHECK-IN TIME IS 3:00 P.M.

Please check your desired guest room accommodations:

1 King.....\$195.00

2 Double beds.....\$195.00

A \$2.00 per night housekeeping gratuity and \$10.00 one-time bell service fee are included in the group rate. Room rate is subject to a 10% Arizona sales tax. Please note: Each additional person in room is \$30.00 per night.

**Deposit Information:** First night's room rate plus tax will be charged to your credit card upon receipt of this reservation. Early departures without prior notice are subject to a \$50.00 fee. **Cancellation Policy:** This deposit is refundable with 7-day notice prior to arrival. Please provide the following information:

AMEX/DINERS/DISCOVER/VISA/MASTERCARD# \_\_\_\_\_

EXPIRES \_\_\_\_\_ CARDHOLDER'S NAME \_\_\_\_\_

CARDHOLDER'S SIGNATURE \_\_\_\_\_



# CORPORATE AVIATION SAFETY SEMINAR (CASS) REGISTRATION

**REGISTER ON LINE!** [www.flightsafety.org/seminars.html](http://www.flightsafety.org/seminars.html)

## RETURN THIS FORM TO FLIGHT SAFETY FOUNDATION

**Mail or fax completed registration form (or photocopy) to:** Namratha Apparao, membership services coordinator, Flight Safety Foundation, 601 Madison St., Suite 300, Alexandria, VA 22314-1756 U.S.A. Telephone: +1 (703) 739-6700, ext. 101; Fax: +1 (703) 739-6708

First-time CASS Attendee

Given Name \_\_\_\_\_ Family Name \_\_\_\_\_

Job Title \_\_\_\_\_ Name for Badge \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_

ZIP/Postal Code \_\_\_\_\_ Country \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

Guest/spouse (*if attending*) \_\_\_\_\_

Yes, my guest/spouse will attend the guest program on May 10.

Yes, my guest/spouse will attend the awards reception on May 10.

**Dress for the CASS is business casual.**

## PLEASE INDICATE FEE:

### EARLY REGISTRATION

(if payment is received by March 12, 2006)

### AFTER MARCH 12, 2006

FSF or NBAA Member	US\$600 _____	US\$650 _____
Nonmember	\$700 _____	\$750 _____
Student	\$325 _____	\$375 _____
Guest Program	\$150 _____	\$150 _____
Total Enclosed	\$ _____	\$ _____

FSF nonmembers can apply US\$150 of the registration fee toward a membership in Flight Safety Foundation. Membership fees start at \$2,500. For more information about the Foundation, contact Ann Hill, director, membership and development, e-mail: [hill@flightsafety.org](mailto:hill@flightsafety.org), telephone: +1 (703) 739-6700, ext. 105, or visit our Internet site: [www.flightsafety.org](http://www.flightsafety.org).

Send Flight Safety Foundation membership information.

Send National Business Aviation Association membership information.

Return seminar registration with credit card information or a check (in U.S. currency drawn on a U.S. bank) payable to Flight Safety Foundation. Wire transfer payment to: Bank of America, Account Number: 001920258070, Routing Number: 054001204, 1501 Pennsylvania Ave. NW, Washington, DC 20013 U.S.A. For account of: Flight Safety Foundation. Sender must pay bank transfer fee(s).

Refund or credit (less \$25 administrative fee) will be given for cancellation by March 21, 2006. Credit (less \$25 administrative fee) for a future Flight Safety Foundation meeting, seminar or workshop will be given for cancellation by April 25, 2006. *No credit or refund will be given for cancellation after April 25, 2006.*

## PAYMENT METHOD:

Check  Postal Money Order  Credit Card (circle one): VISA American Express MasterCard

(The Foundation accepts only these credit cards.)

Cardholder Name \_\_\_\_\_

Credit Card Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Billing Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_

ZIP/Postal Code \_\_\_\_\_ Country \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

## ORGANIZATION PROFILE:

Airline

Helicopter

Charter Operation

Other \_\_\_\_\_

Regional Carrier

Association

Education/Training

Fleet size, if applicable \_\_\_\_\_

Corporate Operator

Manufacturer

Government

Number of employees involved in aircraft operations \_\_\_\_\_

## CASS 2005 ATTENDEES/SPONSORS/EXHIBITORS

### ORGANIZATION

245 Pilot Services  
 3M Aviation  
 Abbott Laboratories  
 ACM Aviation  
 Aerobytes  
 AFLAC  
 Agro-Industrial Management  
 AIG Aviation  
 Air Routing International  
 Air Security International  
 AirCare Solutions Group  
 AirFlite  
 Alteon Training-A Boeing Co.  
 Alticor  
 Altria Corporate Services  
 Amerada Hess Corp.  
 American Electric Power Aviation  
 American Express Co.  
 Amgen  
 Anheuser-Busch Cos.  
 Aon Aviation  
 ARINC  
 AT&T  
 Avenge  
 Aviation Global Support  
*Aviation International News*  
 Aviation Research Group—U.S.  
 Aviation Research, Training & Services  
 Aviation Training International  
 Avionica  
 Avitat Westchester  
 Avsurance Corporation  
 Bank of America  
 Baron Aviation Services  
 Battelle Memorial Institute  
 Baxter Healthcare Corp.  
 BBA Aviation Shared Services  
 Becton Dickinson & Co.  
 Behavioral Science Technology  
 BellSouth Corporate Aviation  
 BMW  
 BMW Flight Service  
 The Boeing Co.  
 Bombardier Aerospace  
 Bombardier Aerospace Business Aircraft  
 Bombardier Flexjet  
 BP America  
 Brazilian Civil Aviation Department  
 Bunn-O-Matic Corp.  
*Business & Commercial Aviation*  
 Business Aviation Support Services  
 C&S Wholesale Grocers  
 C.R. Bard  
 CAE SimuFlite  
 Calspan Corp.  
 Cape Clear  
 Cardinal Health  
 Caterpillar  
 CDC NIOSH  
 Cessna Aircraft Co.  
 ChevronTexaco Aviation Services  
 Cigna Corp.  
 City Furniture  
 Coats & Evans  
 Coca-Cola Bottling Co. Consolidated  
 The Coca-Cola Co.  
 Coca-Cola Enterprises  
 ConAgra Foods  
 ConocoPhillips Alaska  
 Convergent Knowledge Solutions  
 CornerStone Strategies  
 Corporate Aviation Systems  
 Corporate Flight Alternatives  
 Cox Enterprises

CSX Corp.  
 Darden Restaurants  
 Dassault Aviation  
 Dassault Falcon Jet  
 Devon  
 Dominion Resources  
 Dow Corning Corp.  
 The Drax Group  
 Drug Enforcement Administration  
 Dube Air  
 Duncan Aviation  
 DuPont Aviation  
 Eastman Kodak Co.  
 Eclipse Aviation  
 EG&G Technical Services  
 Eli Lilly & Co.  
 Embraer  
 Emerson Electric Co.  
 Entergy Services  
 Epps Air Service  
 EVASWorldwide  
 Executive Fliteways  
 Executive Jet Management  
 Federated Investors  
 FedEx Express-FAO  
 Flight Data Services  
 Flight Options  
 FlightSafety International  
 FlightWorks  
 Florida Power & Light Co.  
 Galaxy Aviation  
 General Electric Co.  
 General Mills  
 General Motors Flight Operations  
 GLN Compliance Group  
 Global Aerospace  
 Goodrich Aircraft Interior Products  
 GTC Management Services  
 Gulfstream Aerospace  
 Guthy-Renker Corp.  
 Harley-Davidson Motor Co.  
 HCF Enterprises  
 Honeywell  
 Hop-A-Jet  
 Household Aviation  
 Huffco Group  
 Humana  
 IBM Euroflight  
 IBM Flight Operations  
 Independent Pilots Association  
 International Paper  
 Jeppesen  
 Jet Aviation  
 Jet Aviation Business Jets  
 Jet Professionals  
 JetCorp  
 JM Family Enterprises  
 Johnson & Johnson  
 Johnson Controls  
 JP Morgan Chase  
 Kellogg Co.  
 KeyCorp Aviation Co.  
 The Kroger Co.  
 Leading Edge Aviation Solutions  
 Limited Brands  
 Lockheed Martin Corporate Aircraft  
 M&N Aviation  
 Marathon Oil  
 Masco Corp. Flight Department  
 MassMutual Financial Group  
 Michael McKendry  
 McWane  
 MedAire  
 Medallion Foundation  
 Megadata-Pussur

Mellon Bank  
 Edward Mendenhall  
 Mente  
 Merck & Co.  
 Metropolitan Aviation Group  
 Mi Windows & Doors  
 Michelin North America  
 Midwest Aviation  
 Million Air—Salt Lake City  
 Modine Manufacturing Co.  
 Monsanto Aircraft Operations  
 Motorola  
 NASA Langley Research Center  
 NationAir Insurance Agencies  
 National Business Aviation Association  
 NetJets  
 NetJets Aviation  
 NetJets International  
 NetJets Large Aircraft Co.  
 New World Jet Corp.  
 New Zealand Civil Aviation Authority  
 Nordstrom  
 Novartis Aviation  
 Novell  
 OnFlight  
 Owens-Illinois General  
 Peabody Energy  
 Pentastar Aviation  
 Pepsi Americas  
 PepsiCo  
 Performance and Alertness Management  
 Personal Flight Group  
 Pfizer  
 Phillips Plastics Corp.  
 Pioneer Hi Bred  
 Principal Financial Group  
 Proactive Safety Concepts  
 Procter & Gamble  
 Progress Energy  
 Qualcomm  
 Quality Resources  
 Quest Diagnostics  
 Quizno's Aviation Department  
 R.J. Reynolds Tobacco Co.  
 Ranger Aviation  
 Raytheon Aircraft Co.  
 Raytheon Co.  
 Relational Investors  
 Rockwell Automation  
 Royal Jet  
 S.C. Johnson & Son  
 S.T.A.R.K. Survival Co.  
 Safety Focus Group  
 Safety Operating Systems  
 Sagem Avionics  
 SBC Communications  
 SCANA Corp.  
 Sears Holdings  
 Seminole Tribe of Florida  
 John Sheehan  
 Sheetz Aviation  
 Shell Aircraft International  
 Signature Flight Support  
 SJ Travel  
 SkyRiver Management  
 Southern California Safety Institute  
 Southern Company Services  
 St. Paul Travelers  
 Summit Jet Corp.  
 Summit Solutions  
 Sundt Air, Norway  
 Supervalu Aviation  
 Synovus  
 TAG Aviation USA  
 Target Corp.

Texas Instruments  
 TWC Aviation  
 U.S. Aviation Insurance Group  
 U.S. Federal Aviation Administration  
 U.S. National Transportation Safety Board  
 United Space Alliance  
 UnitedGlobalCom  
 Universal Underwriters Group  
 University of Southern California  
 UnumProvident Aviation Department  
 USAA  
 UTFlight  
 Valero Energy  
 The VanAllen Group  
 Verizon  
 Virtual Flight Surgeons  
 Vulcan  
 WestShore Aviation  
 Weyerhaeuser Co.  
 Whiteco Industries  
 Winslow LifeRaft Co.  
 Wyvern Aviation Consulting  
 Xerox Corp.  
 Yum! Brands Aviation

### SPONSORS

Boeing Business Jets  
 The Boeing Co.  
 Bombardier Aerospace  
 CAE SimuFlite  
 Cessna Aircraft Co.  
 Dassault Falcon  
 Eastman Kodak  
 Embraer  
 FlightSafety International  
 Global Aerospace  
 Gulfstream  
 Honeywell  
 Jet Aviation  
 NetJets  
 Ratheon Aircraft Co.  
 Signature Flight Support  
 TAG Aviation  
 United Technologies

### EXHIBITORS

Aerobytes  
 Aviation Research Group  
 Air Routing International  
 Avionica  
 Avitat Westchester  
 CAE SimuFlite  
 Calspan  
 CDC/NIOSH  
 EVASWorldwide  
 Executive Fliteways  
 Flight Data Services  
 FlightSafety International  
 Flight Safety Foundation  
 Galaxy Aviation  
 GLN Compliance Group  
 Goodrich Aircraft Interior Products  
 Jeppesen  
 MedAire  
 Megadata/Passur  
 National Business Aviation Association  
 Sagem Avionics  
 Signature Flight Support  
 Southern California Safety Institute  
 The VanAllen Group  
 Virtual Flight Surgeons  
 Winslow LifeRaft Co.