



IHSS 2011

Fifth International Helicopter Safety Symposium
 November 8-9, 2011
 Worthington Renaissance Hotel • Fort Worth, Texas

**“Human Factors: Our Collective Challenge –
 Our Individual Responsibility”**


All plenary sessions will be held in Pecos I & II

Registration begins at 7:00 a.m. in the Bur Oak Foyer

<p>Tuesday, November 8</p> <p><i>Symposium Moderator: Duncan Trapp, CHC</i></p>		
8:00 a.m.	<u>Welcome</u>	Kim Smith, FAA, IHST Co-chair
8:15 a.m.	<u>Human Factors Keynote Address</u>	Dr. Patrick Hudson, Professor, Delft University of Technology
8:45 a.m.	<u>IHST Updates/Metrics/Communications</u>	Sue Gardner, FAA, Curt De Keyrel, Bell Helicopter Textron, and Tony Molinaro, FAA <i>IHST update, review of International metrics and communications</i>
9:15 a.m.	<u>Regional Partners</u>	
	India	AVM K Sridharan, Rotary Wing Society of India, Regional Lead
9:35 a.m.	Canada	Bill Taylor, Transport Canada, JHSAT Co-chair, <i>New CDN Reports</i>
	• JHSAT	
	• JHSIT	Alex Holliday, Alpine Helicopters, JHSIT Co-Chair
10:05 a.m.	Break	Exhibit Hall – Rio Grande
10:50 a.m.	United States (US)	
	• JHIMDAT	Steve Gleason, Sikorsky Aircraft Corp. and Scott Tyrrell, FAA, JHIMDAT Co-chairs <i>New US Compendium Report</i>
	• JHSIT	Fred Brisbois, Sikorsky Aircraft Corp. and Larry Buehler, FAA, JHSIT Co-chairs, Terry Palmer, FlightSafety International, Kipp Lau, CAPACG, LLC, Tom Judge, LifeFlight of Maine, Chris Meinhardt, Air Methods Corp.
11:40 a.m.	<u>Keynote Address</u>	Randy Babbitt, FAA Administrator
12:00 noon	Lunch	Exhibit Hall – Rio Grande
1:00 p.m.	<u>Regional Partners (Cont.)</u>	
	Japan	Kiyomitsu Mochizuki, Aero Asahi Corporation, Regional Lead

Agenda

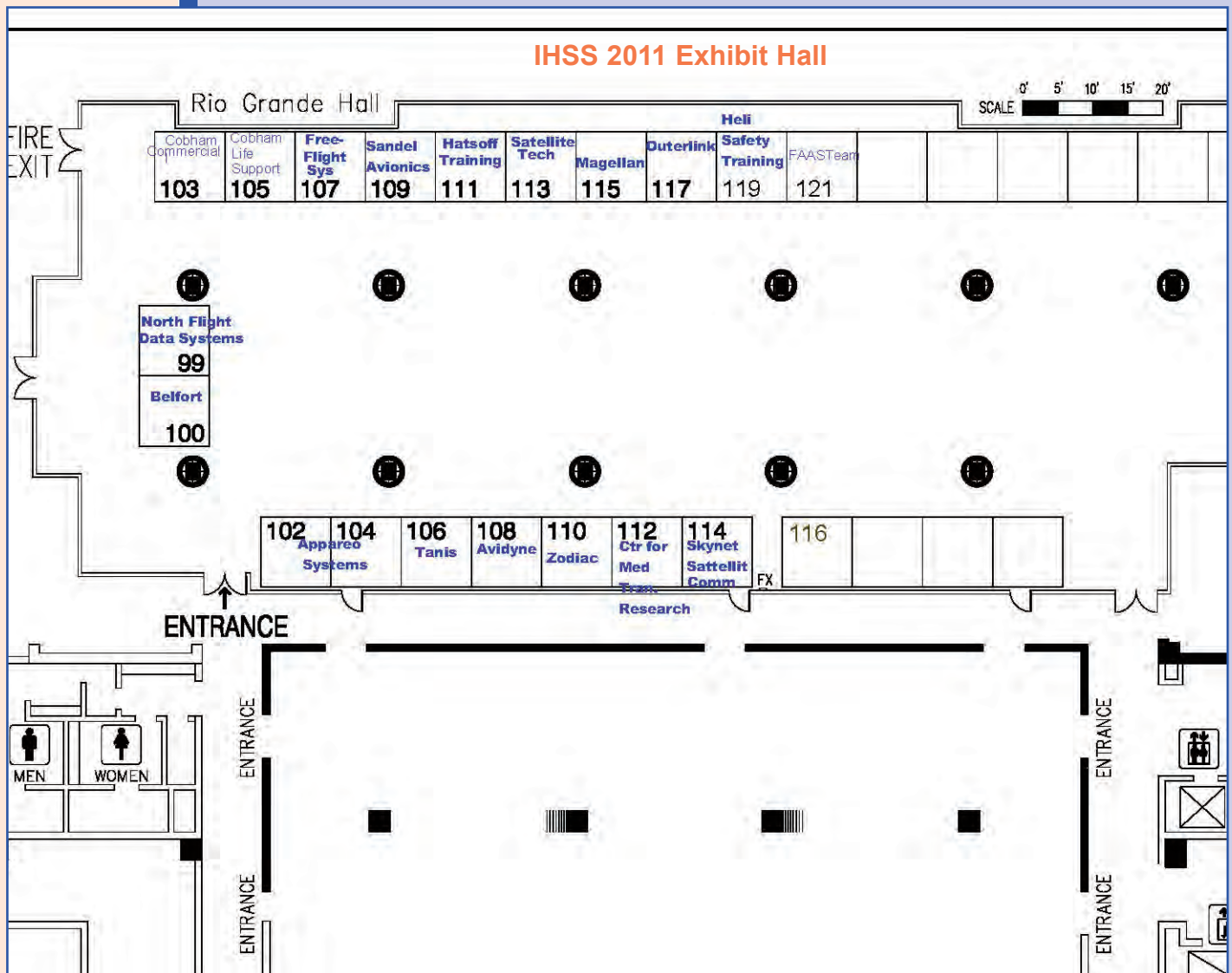
Tuesday, November 8, Continued

1:20 p.m.	<p>EHEST</p> <ul style="list-style-type: none"> • EHSAT • EHSIT • Communications • The Way Forward and Concluding Remarks 	<p>Stefan Becker, Managing Director, EHAC, EHEST Representative, <i>EHSIT Activities and New Products (including Training)</i></p> <p>Gilles Bruniaux, Fleet Safety, Eurocopter, <i>EHSIT/EHEST Co-Chair, IHST Director</i></p> <p>Duncan Trapp, Vice President, Safety & Quality, CHC Helicopter Services, <i>EHEST Communications Lead</i></p> <p>John Steel, Manager GA Standards, IAA, EHSIT co-Chair</p>
2:10 p.m.	<p>Brazil</p> <ul style="list-style-type: none"> • JHSAT 	<p>LT Cel Uberacy, CENIPA and Ana Claudia Galvao, Brazilian Helicopter Services (CHC), JHSAT Co-chairs</p>
2:40 p.m.	<p>MENA-HST Middle East North Africa</p>	<p>Capt. Hesham El-Hamahmy, Petroleum Air Services</p>
3:00 p.m.	<p>Break</p>	<p>Exhibit Hall – Rio Grande</p>
3:45 p.m.	<p>Australia</p>	<p>Kimberly Turner, Aerosafe, Regional Lead</p>
4:05 p.m.	<p><u>IS-BAO - HE</u> Stan Rose, HAI</p>	<p><i>Update on Status of New IS-BAO Helicopter Standards</i></p>
4:20 p.m.	<p><u>Regional Partners Panel</u> Dr. Harold Demuren, Director General of the Nigerian Civil Aviation Authority, <i>Facilitator</i></p>	<p><i>How to Best Implement Intervention Recommendations in Regions Throughout the World</i></p> <p>Panelists will consist of a representative from each of the Regional Partners.</p>
5:05 P.m.	<p><u>Implementing Change</u></p>	<p>Hooper Harris, British Petroleum <i>Challenges of Changing Society's Expectations</i></p>
5:15 p.m.	<p><u>Closing Remarks</u></p>	<p>Matt Zuccaro, HAI, IHST Co-chair</p>
6:00 p.m.	<p><u>Exhibitor Reception</u></p> <p>Bring your gift ticket to this event to ensure that you receive the VH-60N helicopter model that is generously being sponsored by Sikorsky Aircraft Corporation.</p> <p>And bring your raffle ticket to win an iPad compliments of Helicopter Association International! You must be present to win.</p>	<p>Exhibit Hall – Rio Grande</p> 

	Wednesday, November 9	<i>Symposium Moderator: Duncan Trapp, CHC</i>
8:00 a.m.	<u>Welcome</u>	Duncan Trapp, CHC
8:00 a.m.	<u>Keynote Address</u> Robert Sumwalt, NTSB Vice Chairman	<i>Top 10 Recommendations – Human Factors in Helicopter Accidents</i>
8:45 a.m.	<u>Small Helicopter Operators Panel</u> Fred Brisbois, Sikorsky Aircraft Corp., US JHSIT Co-Chair, <i>Facilitator</i>	<i>Strategies Implemented and Highlights of Challenges to Implementation</i> <i>Panel: Doug Barclay, Kachina Aviation Nampa, ID Gary Spender, London Helicopters London, UK; Chris Thresher, JBI Helicopter Services Pembroke NH; Tom Klassen, HALO-Flight, Inc. Corpus Christi, TX</i>
9:30 a.m.	<u>Shootout with Vendors</u>	Exhibitor opportunities to introduce, during a 2 minute commercial, their products and services that support the IHST initiatives
10:15 a.m.	Break	Exhibit Hall – Rio Grande
11:00 a.m.	<u>Maintenance</u> Dr. Bill Johnson, FAA, Chief Scientific and Technical Advisor for Human Factors in Aircraft Maintenance	<i>Human Factors and Fatigue – Key Challenges that Affect Human Performance in Maintenance</i>
11:45 a.m.	<u>Mitigating Accidents in the Non-combat Environment</u> Captain John R. Nettleton, Force Safety Officer for Commander Naval Air Forces	<i>How to Leverage These Recommendations for the Civilian Helicopter Community</i>
12:15 p.m.	Lunch	Exhibit Hall – Rio Grande
1:15 p.m.	<u>New Technologies/Next Generation Helicopter Infrastructure Panel</u> Tom Judge, US JHSIT, <i>Facilitator</i>	<i>Leverage NextGen – onboard capabilities and infrastructure improvements – to impact human factors and decision making</i> <i>Panel: Ralph Petragani, Belfort Instruments; Jason Patrick, Satellite Technologies International; David Manchester, Harris Corporation; Chris Baur, Hughes Aerospace</i>
2:00 p.m.	<u>Training Panel</u> Terry Palmer, Flight Safety International, US JHSIT, <i>Facilitator</i>	<i>Training and Simulation tools and updates for new and experienced pilots that improve decision making and address human factors</i> <i>Panel: Dave Powell, Flight Safety International; Stephane Clemente, CAE; Trey Wade, Bell; Andy Litteral, American Eurocopter; Pat Leone, Flight Safety International; Nick Mayhew, Bristow; Mike Phillips, Frasca</i>

Wednesday, November 9 (Continued)

3:00 p.m.	Break	Exhibit Hall – Rio Grande
3:45 p.m.	<u>Corporate Safety Culture Panel</u> Randy Jones, <i>Rotor & Wing, Facilitator</i>	<i>Panel: Bill Chiles, President & CEO, Bristow Group; Bill Amelio, President & CEO, CHC Helicopter; and Lance Bospflug, President, PHI, Inc.</i>
4:30 p.m.	<u>IHST Executive Committee Panel</u> David Learmount, <i>Flight International, Facilitator</i>	<i>Where is the Global Helicopter Community's Biggest Challenge in Reaching their Goal?</i> <i>Panel: Kim Smith, FAA; Matt Zuccaro, HAI; Bob Sheffield, Shell; Bill Voss, Flight Safety Foundation; Somen Chowdhury, Bell Helicopter Textron; Fred Jones, Helicopter Association of Canada; Fred Brisbois, Sikorsky, Mike Hirschberg, American Helicopter Society; Sue Gardner, FAA</i>
5:15 p.m.	<u>Closing Remarks</u>	Kim Smith, FAA and Matt Zuccaro, HAI, IHST Co-Chairs



IHSS 2011 EXHIBITORS

Appareo Systems, Booth 102

Website: www.appareo.com

Appareo Systems is an industry leader specializing in lightweight Flight Data Monitoring (FDM). Appareo's award-winning ALERTS system provides operators of any size a turn-key solution for implementing an effective FDM program, with easily installed hardware and powerful, innovative software for data analysis.

Avidyne Corporation, Booth 108

Website: www.avidyne.com

Avidyne Corporation is the market-leading developer of Integrated Flight Deck Systems for light general aviation (GA) aircraft. Avidyne's continuing leadership in innovation and its Flying Made Simple™ design philosophy make flying safer, more accessible and more enjoyable for pilots and their passengers. The company's expanding line of products include datalink-capable EX5000 and EX600 multi-function displays and the dual-antenna TAS600 series of active traffic advisory systems, the MLB700 broadcast datalink receiver and the TWX670 Tactical Weather Detection system.

Belfort Instrument Company, Booth 100

Website: www.belfortinstrument.com

Belfort has become one of the leading providers of Automated Weather Observation Systems (AWOS) for Heliports. Our FAA certified AWOS AV with low acquisition cost and low maintenance costs. For detailed information; www.belfortinstrument.com.

Cobham Commercial Systems, Booth 103

Website: www.cobham.com

Cobham's HELISAS is a stability augmentation system (SAS) and two-axis autopilot. It provides attitude stabilization and force feedback to the cyclic control for helicopters with hydraulic controls. HELISAS is standard on B206, B407, Eurocopter AS350, EC130.

Cobham Life Support, Booth 105

Website: www.cobham.com

Cobham Life Support products have kept people safe on land, in the air or under the water. We design and manufacture electro-

explosively actuated devices for the aerospace and defense industries. Our customers consider us the prime choice in aircrew safety products, spacecraft propulsion valves, gas systems and aerial delivery devices.

FreeFlight Systems, Booth 107

Website: www.freeflightsystems.com

Founded in 2001 through the acquisition of Trimble Navigation's Avionics Products Division, FreeFlight Systems is an international supplier of quality avionics at affordable prices. With a focus on safety, simplicity, and reliability, FreeFlight Systems offers a broad array of GPS navigation systems, GNSS/SBAS sensors, radar altimeters, and ADS-B components and systems worldwide. Based in Waco, TX, FreeFlight Systems was the first company to certify an airborne Wide Area Augmentation System (WAAS) receiver. For more information, please visit www.freeflightsystems.com.

HATSOFF Helicopter Training Pvt. Ltd., Booth 111

Website: www.hatsoff-training.com

HATSOFF is a Joint Venture of Hindustan Aeronautics Limited (HAL) India and CAE Inc. Canada established in Bangalore to provide training on a Level D Simulator. Training is given on RO/RO Simulator platform which has been approved by DGCA, Govt. of India and EASA. Training on Bell 412 EP, Dhruv Civil & Military Variants (Advance Light Helicopter) and Dauphin cockpits are provided by experienced team of certified pilots.

Helicopter Safety Training, Booth 119

Website: www.choppersafety.com

Helicopter Safety Training company is in the business of developing safer pilots through training pilots in proper flight procedures and handling emergencies in most Bell Helicopter aircraft.

Magellan Aerospace, Booth 115

Website: www.magellan.aero

Magellan Aerospace designs and manufactures the Wire Strike Protection System (WSPS®). It is the cutting edge in helicopter safety, providing a measure of protection for helicopter accidents and fatalities caused by

inadvertent wire strikes. Magellan's Bristol Aerospace operating division is the global expert for this unique system with more than 30 years of experience and 20,000 kits delivered. The WSPS is designed to guide wires over the fuselage into high tensile steel cutting blades. A basic kit is comprised of an upper cutter, lower cutter and windshield deflector.

North Flight Data Systems, Booth 99

Website: www.northfds.com

NORTH Flight Data Systems LLC is a manufacturer of Light Aircraft Recording Systems (LARS) designed for current and legacy aircraft. The NORTH system includes Hi Res voice and video recording in addition to ARINC, digital and analog data capture. Designed to be ED155 compliant the system can also generate internal gyro, speed, and altitude. To compliment NORTH's LARS the company will offer a web based FOQA software suite (FASTARS) to enable small operators to enjoy a sophisticated and powerful set of safety tools.

OuterLink Corporation, Booth 117

Website: www.outerlink.com

Outerlink Corporation is a leading supplier of mobile navigation, flight following and data systems. Through our integrated hardware, software, and communications systems, we provide reliable cost effective solutions for a wide range of aviation application and industries.

Sandel Avionics, Inc., Booth 109

Website: www.sandel.com

Sandel's ST3400H HeliTAWS™ provides protection against the triple threats of transmission lines, obstacles and terrain – without the distraction of nuisance alerts. The HeliTAWS not only meets but exceeds the standards of HTAWS TSO C194.

Satellite Technology International, Booth 113

Website: www.stigps.com

STI develops complete IFR infrastructure, to include GPS Approaches, Departures, and Routes. STI approach and routing systems increase the level of flight safety by providing pilots with a structured instrument flight environment in instrument meteorological conditions (IMC), marginal visual meteorological

conditions (VMC), or when conditions quickly deteriorate and crews find themselves in inadvertent IMC. STI has developed over 400 approaches and hundreds of miles of routes throughout the United States and in several International sites.

SkyNet Satellite Communications Inc., Booth 114

Website: www.skynetsatcom.com

Global aircraft flight data, asset management and emergency alerting systems; providing customized reports for flight following; fleet exception reporting; predictive maintenance modules; aircraft scheduling, pilot duty / training reports; SATCOM / ADS-B Hybridization; WSI weather overlays on multiple mapping solutions.

Tanis Aircraft Products, Booth 106

Website: www.tanispreheat.com

Using a Tanis preheat system to warm all critical mechanical components and fluids prior to flight is a "Best Practice Must" safety tool for rotorwing operators in cold climates. Tanis uses its broad base of proprietary knowledge gained from 37 years of industry experience to develop and manufacture pre-heat systems for fixed and rotary wing aircraft.

The Center for Medical Transport Research, Booth 112

Website: www.temtr.org

Presenting digital safety stories by front-line HEMS flight crew members to relay a personal experience of "what safety looks like." These short videos are powerful teaching tools for creating a culture of safety.

Zodiac Data Systems, Booth 110

Website: www.zds-fr.com or zodiacaerospace.com

Zodiac Data Systems, leading name for ENERTEC™ Mission Recorders, is pleased to present its new embedded Information Management Products for Flight Safety or Maintenance applications. Come and see our solution for In-Aircraft Electrical Problems Monitoring.



International Helicopter Safety Team

INTERNATIONAL HELICOPTER SAFETY TEAM (IHST) EXECUTIVE COMMITTEE

Government Co-Chair, Kim K. Smith, FAA, Manager, Rotorcraft Directorate; *Industry Co-Chair*, Matt Zuccaro, Helicopter Association International; *Secretariat*, Michael Hirschberg, American Helicopter Society International; *Program Director*, Sue Gardner, FAA; *Directors*: Somen Chowdhury, Bell Helicopter Textron Canada; Robert Sheffield, Shell Aircraft; Fred Jones, Helicopter Association of Canada; Gilles Brunieux, Eurocopter, EHEST Representative; Fred Brisbois, Sikorsky Aircraft Corp., Bill Voss, Flight Safety Foundation,

Curt Dekeyrel, Bell Helicopter Textron, Inc., IHST Metrics Team Chair
Tony Molinaro, FAA, IHST Communications Team Chair

AUSTRALIA

Regional Leads, Arvind Sinha, DOD Australia and Kimberly Turner, Aerosafe

BRAZIL

JHSAT Co-Chairs, Ana Claudia Galvao, Brazilian Helicopter Services (CHC) and LT Cel Uberacy, CENIPA

CANADA

JHSAT Co-Chairs, Sylvain Seguin, CHL and Bill Taylor, Transport Canada;
JHSIT Co-Chair, Alex Holliday, Alpine Helicopters

EUROPEAN REGION

European Helicopter Safety Team (EHEST) – Component of the European Strategic Safety Initiative (ESSI)
Government Co-Chair, John Vincent, EASA; *Industry Co-Chair*,s John Black, EHOC and Gilles Bruniaux, Eurocopter;
EHSAT Co-Chairs, Michel Masson, EASA and Luigi Candiani, AgustaWestland; *EHSIT Co-Chairs*, José Esteve Fernández de Córdova, new EHA and INAER, John Steel, Irish Aviation Authority; *EHEST Secretariat*, Michel Masson, assisted by Clément Audard, EASA

GULF REGION

Middle East - North African Helicopter Safety Team (MENA-HST)
Chair, Roy Barnett, FAA; *Committee*: Michel Theriault, Abu Dhabi Aviation, Tony Griggs, Gulf Flight Safety Committee, Samir Sajet, WFP. Capt. George Cunningham, Petroleum Air Services, Capt. Hesham El-Hamahmy, Petroleum Air Services

INDIA

Regional Lead, AVM K Sridharan, Rotary Wing Society of India

JAPAN

Regional Leads, Dr. Shigeru Saito, Japan Aerospace Exploration Agency and Kiyomitsu Mochizuki, Aero Asahi Corporation

UNITED STATES

JHSIT Co-Chairs, Larry Buehler, FAA, Fred Brisbois, Sikorsky
JHIMDAT Co-Chairs, Scott Tyrrell, FAA, Steve Gleason, Sikorsky

IHST SECRETARIAT

Michael Hirschberg, Secretariat, Kay Brackins, Membership Coordinator
217 N. Washington Street, Alexandria, VA 22314-2538 USA
(703) 684-6777, (703) 739-9279 Fax, Email: kay@ihst.org, www.ihst.org

Sponsors

IHST gratefully acknowledges our IHSS 2011 sponsors

