



IHST Newsletter

From the Executive Committee

By Mark Liptak, IHST Program Director.

ARTICLES

EXECUTIVE COMMITTEE

Update on Excom activities, outreach, IHSS planning, JHSAT and JHSIT reviews, marketing discussions. By Mark Liptak

KOREA FOREST AVIATION

The Korean helicopter community considers working with IHST. By Manju Kim

EHEST UPDATE

Get the latest updates on EHEST and its work. By Michel Masson and Andy Evans

US JHSIT TRAINING TOOLKIT

The US JHSIT will deliver a Training toolkit at IHSS in September, get an overview here. By Terry Palmer

IHSS2009 INFORMATION

Stay connected to the IHST's work on the international stage. Please register to attend IHSS 09,

CONTACT INFO

IHST NEWSLETTER & GENERAL INQUIRIES
mark.liptak@faa.gov

We'd like to encourage you or any other interested parties you may know to attend IHSS 09 in Montreal. This meeting only comes around every other year; it's the best opportunity to network with likeminded helicopter safety experts and gain an understanding of the details of our work from an international perspective. Please see the last page of this newsletter or visit our web site at ihst.org for registration details.

Since our last newsletter update the IHST Excom has been focused on several key program aspects; putting together the International Helicopter Safety Seminar 2009 (IHSS 09) agenda, continuing international outreach, assisting recent international partners as they stand up teams, developing a plan to promote the IHST effort and reviewing the US JHSAT and US JHSIT deliverables.

Several of us from the Excom have been busy putting together the agenda, speakers and panel groups for this September's International Helicopter Safety Symposium. The meeting will be held in Montreal from September 29 to Oct 1.

We've assemble a great mix of speakers and panel discussions that bring together the international helicopter community to discuss IHST accomplishments to date and understand the challenges we have in accomplishing our goal.

We'll have internationally renowned speakers from industry and government, panel discussions on HEMS, training, working with small operators and private pilots and working with the insurance industry. We'll also have updates from all our international partners and opportunities to discuss what's working and what needs to be improved. Please check the last page of this newsletter for more details on the agenda and registration information.

On the international front, in April, Dennis Pratte, Jim Grigg and Mark Liptak presented an IHST briefing to the AHS Tokyo Chapter in Japan. The information was well received by the 50+ people in attendance. Interestingly, Japan depends on helicopters more than most countries due to the lack of suitable land for fixed wing runways. About 815 helicopters are on the civil registry in Japan. The meeting concluded with an agreement that an analysis team would be established and an accident dataset would be identified. Dr. Shigeru Saito from JAXA will be assisting in the formation of this team later in 2009.

An IHST promotional briefing was given to a group at HeliRussia in Moscow in late May. Mark Liptak gave the presentation; the meeting was also attended by Ed DiCampli of HAI.

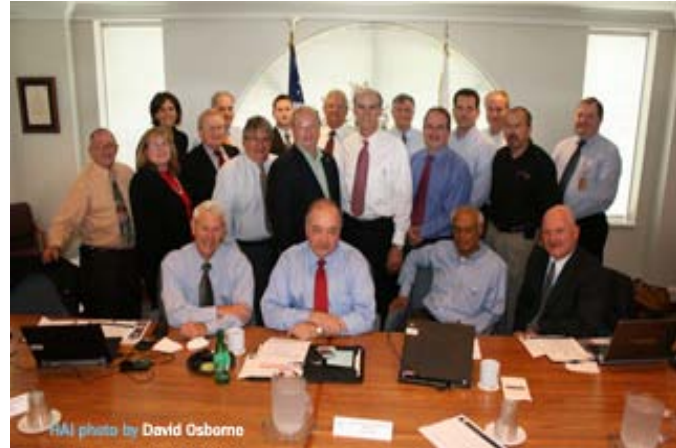
Follow-on discussions with Moscow based representatives from the Flight Safety Foundation International, the Federal Transport Agency and the Interstate Aviation Committee indicated interest in the CIS to join in analyzing data and promoting helicopter safety improvements. Currently there are approximately 3000 helicopters registered in the CIS, the third largest fleet in the world behind the US and EU. IHST wishes to thank the local US FAA reps Brian Staurseth and Olga Varfolomeyeva, for their help in coordinating these meetings.

IHST is looking for a follow-up opportunity in the CIS early in 2010 to continue the discussion.

Two nascent IHST partners, Australia and the GCC (Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, and the United Arab Emirates), have also been in focus the last few months. Australia, which has had a difficult time assembling a team and analyzing data, may be taking shape. We've asked Arvind Sinha of the AU Defense Dept and Kimberly Turner of Aerosafe to re-strategize engagement of the local helicopter community. Each will be working with local stakeholders to restart the effort. The GCC team, lead by Roy Barnett (local FAA rep), Tony Griggs (Falcon Aviation) and Michel Theriault (Abu Dhabi Aviation) have been hard at work standing up a team in the GCC region. They've taken the unique approach of distributing a safety survey to all operators in the region. We're watching this for results. It may show itself as a good means to acquire information unique to a region and as a tool to engage helicopter operators. Ultimately the in-region team will decide if they will analyze GCC accident data or if they'll use the survey results to customize the US results for use in the GCC area.

At our last meeting in late July, the Excom had a lengthy discussion about how to promote or market the IHST effort. This is an urgent issue now that the US JHSIT is nearly ready to deliver a set of toolkits and recommendations for the US fleet. The Excom agreed to develop a plan to address this immediately after IHSS 09. The

plan will most likely center on developing strategies to reach operators, pilots and customers through various channels in the helicopter world. Our initial thoughts are working plans with FSDOs, insurers, OEMs, associations, industry publications and possibly accreditation programs.



July 20/21 IHST Excom meeting at HAI.

Attendees (L to R)

First row: Rhett Flater, Matt Zuccaro, Somen Chowdhury, Fred Jones. Second row: Joe Syslo, Terry Palmer, Harold Summers, Ralph F Petragani, Larry Buehler, Bob Sheffield, Ed DiCampli, Fred Brisbois, J. Heffernan. Third row: Lindsay Cunningham, Tom Judge, Chris Eastlee, Jean Pierre Dedieu, Roy Fox, Dennis Pratte, Mark Liptak

Also at our July meeting we heard presentations from the USJHSAT and USJHSIT showcasing their outputs to be delivered at IHSS in Montreal. Joe Syslo (American Eurocopter) briefed us on the status of the USJHSAT team. The 2001 accident dataset has been analyzed and the report is nearing completion. The team is also progressing rapidly through a year 2006 dataset and expects to finish the analysis by year's end. Presentations were also made by Fred Brisbois (Sikorsky Aircraft) and Larry Buehler (FAA) gave a US JHSIT overview, Terry Palmer (FSI) briefed us on the Training toolkit, Lindsay Cunningham (American Eurocopter) on Flight Data Monitoring, Tom Judge (LifeFlight of Maine) on Infrastructure and Harold Summers (HAI) on Maintenance. The Excom wishes to thank all those who presented and all those who worked on these products. Well done!

Korean Helicopter Community considering IHST, by Manju Kim, Safety Manager, Korea Forest Aviation



The Korea Forest Aviation Headquarters held a Helicopter Safety Symposium successfully on June 5 in the Millennium Hilton Hotel. There were 230 participants, consisting of helicopter manufacturers, operators, researchers and stakeholders throughout the country.

There were 6 topics presented by Speakers from KAZAN helicopter (Russia), Tokyo Fire Dept.(Japan), US Army, Eurocopter Singapore and South Korea.

During the symposium, the International Helicopter Safety Team's goals and progress were presented by Manju Kim, Safety Manager, Korea Forest Aviation using an IHST overview briefing prepared by Mark Liptak, the IHST Program Director.

All attendees agreed that the current level of helicopter accident rate in Korea and worldwide is not acceptable. So we all need to cooperate reducing & eliminating the safety deficiencies in every aspect of helicopter operation mandatory or voluntarily.

(note: the IHST is looking for follow-up meeting opportunities in 2010 in Korea....ML)

Update on the Progress of the European Helicopter Safety Team (EHEST)

June 2009 by EHSAT co-chairs Michel Masson, EASA, and Andy Evans, AviateQ International

The EHSAT Regional Teams (RTs) continue to analyse helicopter accidents in Europe between 2000 and 2005. While the preliminary report was limited to 186 accidents analysed up to September 2008, the EHSAT database now contains 334 accidents of which 288 are in the timeframe 2000-2005. The analysis of those 6 years is expected to be completed beginning of 2010. The Regional Teams will continue to analyse accidents reports on the pace of one year of accidents per year to expand the database for further analysis.

The EHSIT is tasked with processing the intervention recommendations produced by the EHSAT and to develop, implement and monitor safety enhancement action plans across Europe. These action plans will contribute to achieving the IHST objective of reducing the accident rate by 80% by 2016. An ambitious and comprehensive implementation scheme is key for success.

In this 3rd meeting, the EHSIT performed the complex task exercise of aggregating at European level of the intervention recommendations on 'Training' and on 'Operations and SMS' using a process defined in the February meeting. These two areas contained more individual interventions than any other. Aggregation work also started on 'Regulatory' aspects, the 3rd priority topic.

Aggregated interventions on 'Operations and SMS' and 'Training' will be transferred to two Specialists Teams (STs) currently being formed. These STs will further process this material and develop implementation strategy and actions plans using a process similar to the one used by the Joint Helicopter Safety Implementation Team (JHSIT) in the US.

The Communication Sub Group's mission is to define a process to efficiently communicate to the helicopter community, in particular to small operators and General Aviation (GA) - a goal shared with the European General Aviation Safety Team (EGAST), another Safety Team of the European Strategic Safety Initiative (ESSI).

EHSIT and EGAST indeed share the same objective to:

- Benchmark the different ways to communicate to GA pilots (fixed wing or helicopter);
- Benchmark the different ways to communicate to small operators;
- Define the best way to communicate to GA pilots and small operators;
- And to develop a method suitable for monitoring action plans.

Gunter Carloff, Executive Director of the European Helicopter Association (EHA) was unanimously approved as industry co-chair of the EHSIT. Active support and participation from the industry, in particular from the operators, is indeed essential to the success of the implementation phase - the next challenge for the EHEST.

International Conferences

EHSAT co-chair M. Masson, EASA, presented the initiative in the AHS Forum 65 that took place on 27th - 29th May in Grapevine, Texas.

The latest EHSAT and EHSIT results will be presented at IHSS 09 in Montreal on Sep 29th - Oct 1st.

Other planned events are the 35th European Rotorcraft Forum (ERF 09) on Sep 22nd - 25th Sep in Hamburg, Germany, and the 3rd EASA Rotorcraft Symposium in Dec (dates to be defined), in Cologne, Germany.

http://www.easa.europa.eu/ws_prod/g/g_events.php

US JHSIT Training Toolkit update by Terry Palmer, FSI.

In response to JHSAT recommendations, the Training Work Group has acknowledged a need for developing a standard of training that incorporates all the issues identified in the JHSAT report. The JHSAT found that contributing factors in many accidents were the *lack of standardized training, lack of simulator availability for single engine operations, lack of operational specific training scenarios and a lack of human factors training*. Due to the deficiency in effective training, including standardization and availability, operators did not adequately provide training and training opportunities to their pilots.

One of the solutions identified by the Training Work Group is a reference document that assists an operator with constructive solutions to training issues. This training toolkit will provide the reference material and guidelines for developing a training program to fit within a solid safety culture and become a component of an effective Safety Management System.

This toolkit will help small and medium size operators develop an effective training program that will show both a return on investment, and/or cost effectiveness from both financial and safety perspectives. It will help organizations develop effective training designed to fit the size, nature and specific operation of their organization.

The toolkit will provide easy-to-use guidance and proven methods that will assist in developing an organized approach to providing pilot training especially in the perishable skills that will prevent accidents. Organizations that adopt the processes outlined in the toolkit will benefit from the increased skill level of the pilots, reduced costs associated with incidents and accidents, and better retention of personnel.

The toolkit is will provide guidance in starting a training department, maintaining and enhancing an existing training department and/or effectively utilizing third party training options. It will provide a series of proven methods for operators to incorporate into their own culture.

The toolkit will be released at the IHSS in September. The Training Work Group is the collaborative effort of training professionals including operators, manufacturers, and training providers with the common goal of supporting the accident reduction goals of the IHST





IHSS 2009

Third International Helicopter Safety Symposium
September 29 - October 1, 2009

Hotel Hilton Montréal Bonaventure • Montréal, Québec, Canada

“IHST Findings and Recommendations - Achieving an 80 Percent Reduction in Helicopter Accident Rates by 2016”



ihst.org

2009 is a pivotal year for IHST as it transitions from data analysis to delivering and monitoring real world safety interventions in North America and other regions. At the IHSS 2009 meeting, the US Joint Helicopter Safety Analysis Team (USJHSAT) will announce its findings and recommendations based on a detailed study of two years of NTSB accident reports. The US Joint Helicopter Safety Implementation Team (USJHSIT) will announce its recommendations for implementing selected intervention strategies for various industry segments.

The central theme of IHSS 2009 will be the implementation challenge. Attendees will have the opportunity to discuss these JHSIT recommendations and refine and finalize a global helicopter safety roadmap. During the three-day meeting, attendees will participate in a wide range of activities.

To learn more about IHSS 2009 and registration opportunities, please visit the IHST website – www.ihst.org and click on IHSS 2009. The last page of this flyer is an IHSS 2009 registration form.

For accommodation reservations, contact the Hotel Hilton Montréal Bonaventure at (514) 878-2332 and request the discounted IHSS rate of \$185 Cdn. <http://www.hilton.com/en/hi/groups/personalized/YULBHHF-HEL-20090928/index.jhtml>

For safety-related exhibits and sponsorship opportunities, please contact David Renzi, American Helicopter Society International, at (703) 684-6777 or davidr@vtol.org.

For additional information, please contact IHSS2009 Forum Chair **Somen Chowdhury** at (450) 971-6500, ext. 2787, schowdhury@bellhelicopter.textron.com or Kay Brackins, IHST Secretariat, at (703) 684-6777 or kay@vtol.org.

Register on-line at www.ihst.org

Preliminary Agenda

The IHSS 2009 agenda includes updates on our international initiatives, progress made by JHSAT and JHSIT teams, collective discussions on the type of cultural changes needed to accomplish our goal and how to achieve them, particular focus on the USJHSIT safety enhancement plans and toolkits.

By Invitation Only

Sunday, September 27	9:00 a.m.	EXCOM Meeting
Monday, September 28	9:00 a.m.	USJHSAT USJHSIT
	12:30 p.m.	International JHSAT/JHSIT Teams
	3:30 p.m.	EXCOM/Int'l Team Leaders

Open Work Group

Monday, September 28	1:30 p.m.	Tutorial and discussion on the Return on Health, Safety and Environmental Investment (ROHSEI) tool
-----------------------------	-----------	--

Day 1

Tuesday,
September 29

JHSAT & JHSIT Updates/Government Perspectives

Day 1 Opening remarks will be made by IHST Executive Committee members including

- **Somen Chowdhury**, Manager, International Research, Bell Helicopter Textron Canada, **M. E. Rhett Flater**, Executive Director, AHS International and **Mark Liptak** (FAA), who will present an Overview of IHST activities since IHSS 2007
- **Jim Grigg** (FAA) and **Jack Drake** (HAI), co-chairs of the USJHSAT, will present progress briefings on the team's activities to-date and will report findings from their analysis of 2001, and their future plans for the USJHSAT.
- **Roy Fox** (Bell Helicopter Textron) will review US and International Metrics and the system that IHST is developing to collect worldwide flight hours.
- **Fred Brisbois** (Sikorsky Aircraft Corporation), **Larry Buehler** (FAA), **Keith Johnson** (ALEA), **Terry Palmer** (FSI), **Lindsay Cunningham** (Eurocopter), **BJ Raysor** (Arkansas Children's Hospital) and **Tom Judge** (LifeFlight of Maine) will discuss the USJHSIT Safety Enhancement plans and introduce new toolkits and recommendations.
- **European Representatives** will update attendees on the status of EHEST.
- **Robert Sumwalt** (NTSB Board Member) will discuss the NTSB perspective on US HEMS accidents.
- **John McGraw** (FAA, AFS-2) will discuss AFS' role in implementing change, particularly related to small operators.
- **Wendy Tadros** (Transportation Safety Board of Canada) will give the Chair of the Board's perspective.
- **Dr. Patrick Hudson** (Leiden University, The Netherlands) will address how to resolve the human factors barrier in implementing US JHSAT and EHEST recommendations.

Day 1 will also present several opportunities for attendees to visit the **Exhibit Area** and interact with aerospace manufacturers and service providers who are playing a vital role in helping to reduce helicopter accident rates. Products exhibited will include terrain and obstacle avoidance systems, landing and guidance systems, situational awareness aids, vision technologies, flight simulation and training, crashworthiness and enhanced survivability technologies, anti-icing technologies, and data acquisition systems. All **breaks and lunch** will be held in the Exhibit Area.

Day 2

Wednesday,
September, 30

Invited Speakers

Day 2 begins by focusing on **Regional Updates** including:

- **Sylvain Seguin** (Canadian Helicopters), Canadian JHSAT update
- **AVM K Sridharan** (Rotor Society of India), India update
- **Col Fernando Camargo** (CENIPA), Brazil JHSAT update
- **Arvind Sinha** and **Kimberly Turner**, Australian initiative
- **Roy Barnett** (FAA) of the USJHSAT, Gulf Cooperative Council update
- **Arnab Mujumdar** (Imperial College of London), South Africa data analysis update

Jim Linney (FAA) will update attendees on **Automatic Dependent Surveillance Broadcast (ADS-B)**.

OEM Engine Safety Initiatives will be addressed by:

- **Andrew Cosner**, Rolls Royce
- **Russ Spray**, Turbomeca

Day 2 continues with a **Helicopter Training Panel Discussion** chaired by **Terry Palmer** (FSI) to discuss how to best bring low cost training to small operators to reduce accidents. She will be joined by **Glen MacDonald**, CAE; **Mike Silva**, Eurocopter; **George Ferito**, Flight Safety International and **Mike Phillips**, Frasca International.

Day 2 will end with a **Reception** in the Exhibit Area followed by the **Banquet**.

Day 3

Thursday,
October 1

Exhibit Hours

Contacts

Executive Committee

Int'l Team Leaders

Day 3 begins with an **Insurance Plenary Session** and will include:

- **Session Chair Bob Sheffield**, Shell Aviation; **Larry Mattiello**, Airsure; **Mark Church**, Marsh; **Mike Kriebel**, Allianz and **Mervyn Sugden**, Hardy
- **Don Arendt** (FAA) will offer an FAA perspective on SMS for small operators
- **A Small Operators Plenary Session** will follow which includes **Session Chair Mark Schilling**, FAA; **Bernard J. Raysor**, Arkansas Childrens Hospital; **Trent Lemke**, Ascent Helicopters, and others.
- **J. Heffernan** of HAI will present a synopsis of data developed by Ira Blumen.
- **E. Frazer**, Commission on Accreditation of Medical Transport Services offers CAMTS' view of the financial upheaval from healthcare reform and how it may drive change.
- **HEMS Panel Discussion** with **Chair Robert Sumwalt**, NTSB; **Mike Hurst**, PHI; **Larry Bugg**, Med Trans; **Christoph Breitenbach**, European HEMS and Air Ambulance Committee, and **Sylvain Seguin**, CHL.
- **IHST Co-Chairs Matt Zuccaro**, Executive Director, HAI and **Mark Schilling**, FAA Rotorcraft Directorate Acting Manager, will make closing remarks.

Tuesday, September 29

10:10 a.m. -10:55 a.m. Morning Break
12:30 p.m./ - 1:30 p.m. Lunch
3:00 p.m. - 4:00 p.m. Afternoon Break

Wednesday, September 30

10:10 a.m. - 10:55 a.m. Morning Break
12:25 p.m. - 1:25 p.m. Lunch
4:55 p.m. - 5:55 p.m. Afternoon Break
6:00 p.m. - 7:00 p.m. Reception

Conference Chair

Mr. Somen Chowdhury

Bell Helicopter Textron Canada
(450) 971-6500 ext. 2787
schowdhury@bellhelicopter.textron.com

Exhibits

Mr. David Renzi

AHS International
(703) 684-6777
davidr@vtol.org

Registrar

Ms. Kay Brackins

IHST/AHS International
(703) 684-6777 • (703) 739-9279 FAX
kay@ihst.org/kay@vtol.org

Matthew S. Zuccaro (Co-Chair), Helicopter Association International • **Mark Schilling** (Co-Chair), FAA • **Mark Liptak**, FAA, IHST Program Director • **M. E. Rhett Flater**, AHS International, IHST Secretariat • **Directors: Somen Chowdhury**, Bell Helicopter Textron Canada • **Bob Sheffield**, Shell Aircraft Ltd. • **Fred Jones**, Helicopter Association of Canada • **Jean-Pierre Dedieu**, Eurocopter, EHEST Representative • **John Black**, European Helicopter Association • **Dr. Amy Pritchett**, NASA

US: **JHSAT Co-Chairs**, Jim Grigg, FAA, Jack Drake, HAI
JHSIT Co-Chairs, Fred Brisbois, Sikorsky Aircraft, Larry Buehler, FAA

EU: **EHEST Co-Chairs**, John Vincent, EASA, John Black, EHO, and Jean-Pierre Dedieu, Eurocopter
EHSAT Co-Chairs, Michel Masson, EASA, Andy Evans, AviateQ International.
EHSIT Co-Chairs: Gunter Carloff, EHA, and Michel Masson (acting), EASA.

Brazil: **JHSAT Co-chairs**, Col. Fernando Camargo, CENIPA, Ana Claudia Galvao, Brazilian Helicopter

Canada: **JHSAT Co-Chairs**, Sylvain Seguin, CHL, Bill Taylor, Transport Canada

Australia: **Regional Leads**, Arvind Sinha, DoD Australia, Kimberly Turner, Aerosafe

India: **Regional Lead**, AVM K Sridharan

Gulf Cooperative

Council: **Regional Leads**, Captain Mohammed al Katheri, UAE, Roy Barnett, FAA, Tony Griggs, Falcon Aviation, Michel Theriault, Abu Dhabi Aviation

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

Sponsors



Pratt & Whitney Canada

Une société de United Technologies / A United Technologies Company





IHSS 2009

Third International Helicopter Safety Symposium
September 29 - October 1, 2009

Hotel Hilton Montréal Bonaventure • Montréal, Québec, Canada

Register on-line @ www.ihst.org

Attendee Registration Form

Note: EXHIBITORS please use exhibitor registration found in your Exhibitor Packet

Print or type information as it should appear on your badge.

(Mr., Ms., Rank)	First Name	MI	Last Name	Nickname
Organization			Job Title	
Department, if part of mailing address				
Street Address				
City	State/Province		Zip	Country
Telephone			Facsimile	
E-Mail Address			<i>How did you hear about IHSS 2009?</i>	
Spouse Registration: Full Name			Nickname for Badge	

Registration Fees

Full three-day registration includes all lunches, a banquet ticket and CD-ROM proceedings.
Spouse registration includes all lunches and a banquet ticket. All fees must be in US Dollars.

	<i>Received on or before August 28, 2009</i>	<i>Received after August 28, 2009</i>	
Attendee	\$615	\$665	_____
Speaker/Govt	\$515	\$565	_____
Spouse	\$250	\$300	_____
Student/Active Military	\$300	\$325	_____
ONE-DAY Registration*	Tues ___ Wed ___ Thur ___	\$250 each day	_____

*One-day registration includes lunch and refreshments. (Banquet and CD-ROM must be purchased separately.)

Registration Total _____

Individual Functions & Additional Items Not Included in Registration Fee

Tuesday Lunch (<i>included in full and spouse registration</i>)	\$35	_____
Wednesday Lunch (<i>included in full and spouse registration</i>)	\$35	_____
Thursday Lunch (<i>included in full and spouse registration</i>)	\$35	_____
IHSS 2009 Banquet (<i>included in full and spouse registration</i>)	\$120	_____
CD-ROM Proceedings (<i>included in full registration</i>)	\$145	_____

Grand Total _____

ALL ATTENDEES Please Choose Banquet Entree: ___ Beef ___ Fish ___ Vegetarian **Vegetarian Lunches?** ___

PAYMENT METHOD

Check _____ *Made payable to American Helicopter Society (US\$ Only)* ___ Master Card ___ Visa ___ American Express

Card Number: _____ Exp. Date _____

Signature: _____

Cancellation Policy: No refunds after August 28, 2009.

SEND COMPLETED REGISTRATION TO: AHS International, IHST Secretariat, 217 N. Washington Street, Alexandria, VA 22314-2538 USA, Tel. (703) 684-6777, Fax. (703) 739-9279, Email: kay@ihst.org; www.ihst.org.