



8th EASA Rotorcraft Symposium 2014
2-3 Dec, Cologne, Germany

Partnership for Safety: ISHT and EHEST Achievements in 2014



Prepared by M. Masson, EASA
EHEST Secretary

Your safety is our mission.

An agency of the European Union 

International Helicopter Safety Team (IHST) European Helicopter Safety Team (EHEST)

John Black, HeliOffshore and EHA

EHEST co-Chair



IHST

International Helicopter Safety Team
Our Vision: An International Civil Helicopter Community With Zero Accidents

- Worldwide safety initiative
- Creation in 2006
 - Response to unacceptable numbers of helicopter accidents
- Goal by 2016
 - 80% reduction in worldwide civil helicopter accident rate
- Beyond 2016
 - Continue work to enhance safety
- Vision: Zero Accidents
- Create Partnerships

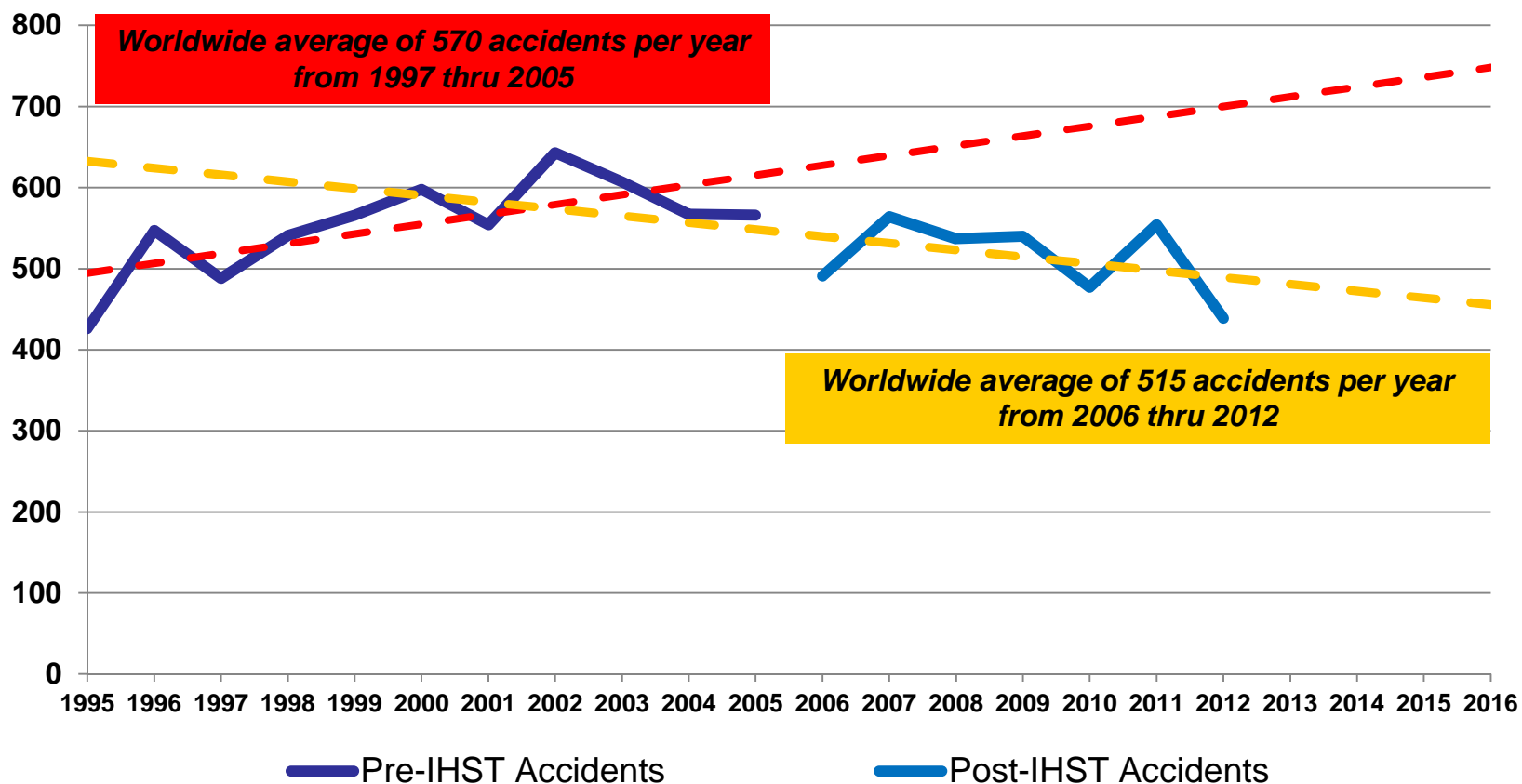




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Worldwide Accident Counts: Progress made

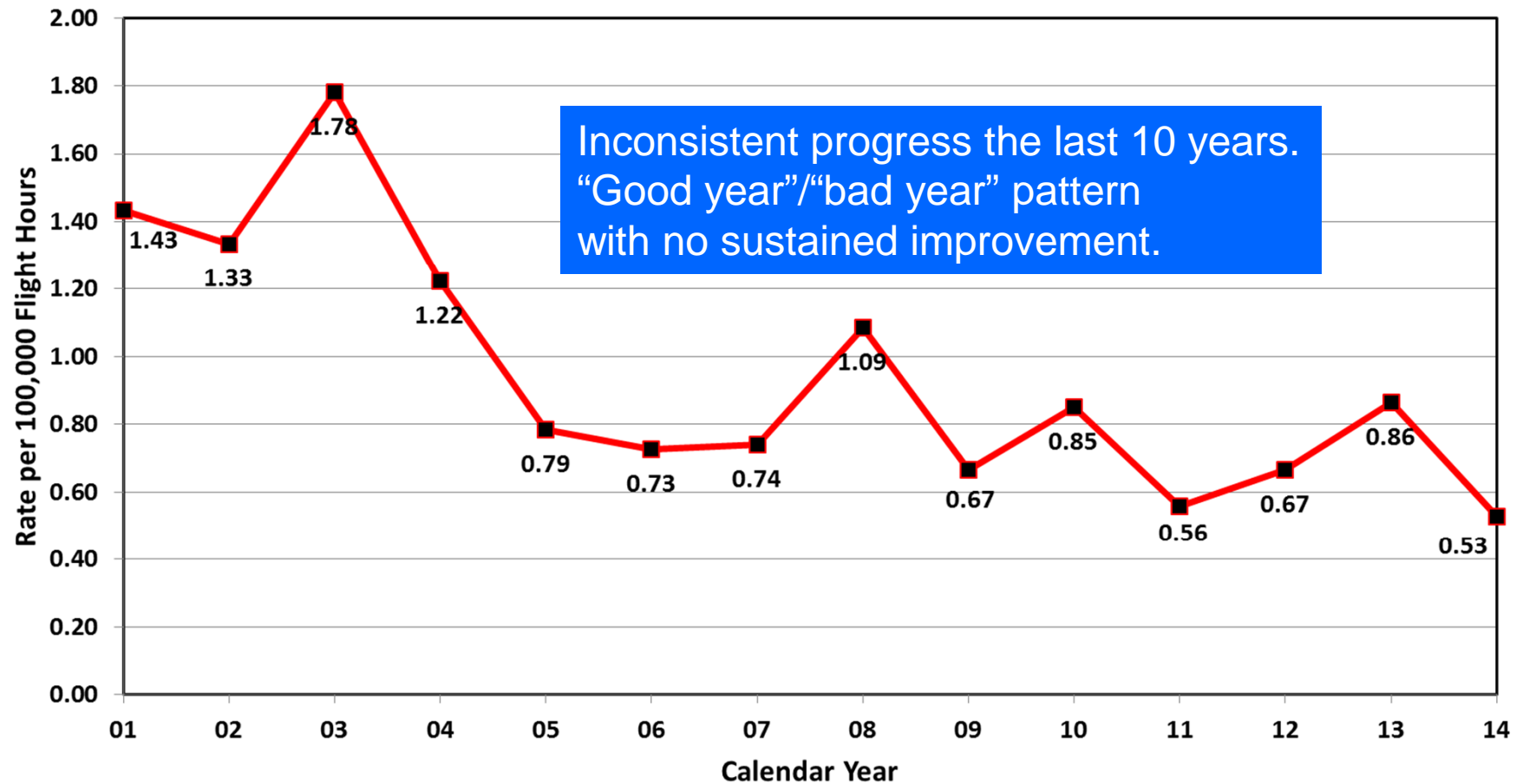




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U.S. Fatal Accident Rate





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IHST Will Increase its Emphasis on Reducing Helicopter Accident Fatalities

WASHINGTON D.C. - Without shifting its focus away from the elimination of all civil helicopter accidents, the International Helicopter Safety Team (www.IHST.org) is asking its worldwide partners to establish an additional focus regarding the steps that can be taken to prevent fatalities in helicopter accidents. As a result, future IHST analysis will include the types of accidents that most frequently result in fatalities and the most cost-effective measures to improve helicopter crash survivability.



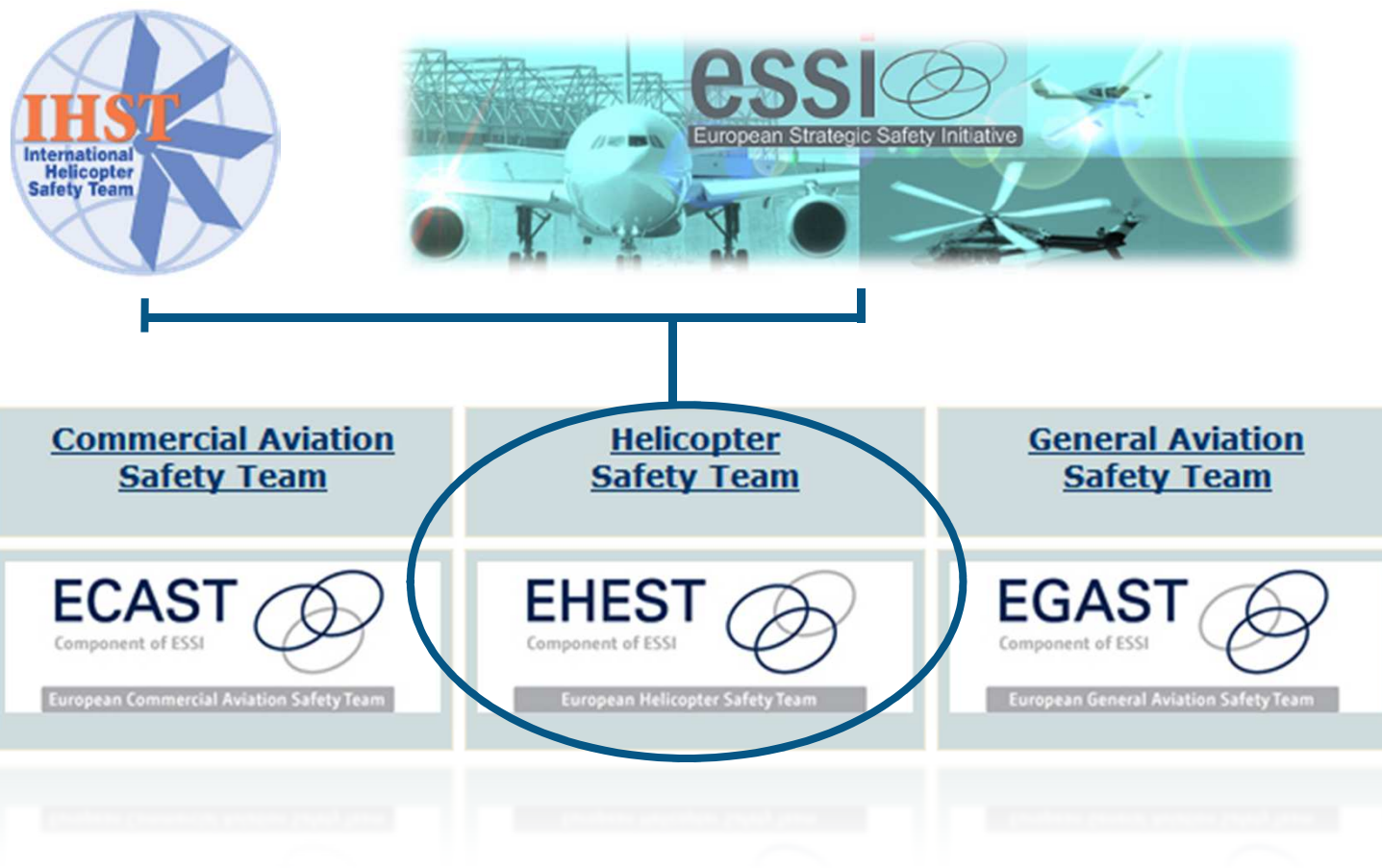
Current IHST statistics show that the most common occurrences leading to fatalities are:

- loss of control
- obstacle and wire strikes
- degraded visibility
- system component failures
- fuel issues

IHST research also reveals that measures to improve crash survivability may include:

- helmets
- crash resistant fuel systems
- crash-worthy seats with upper torso restraints
- seatbelt airbag systems
- deployable emergency locator transmitters

EHEST – Component of ESSI





Safety Partnership with more than 50 organisations

HeliOffshore established 21 October 2014

HeliOffshore

ABOUT MEMBERSHIP SAFETY INFO CONTACT

SAFETY THROUGH COLLABORATION

HeliOffshore is a global safety-focused organisation formed by major providers of offshore helicopter transportation. We enable helicopter operators to develop, share and apply best practices, create and use advanced technology, and advocate for harmonised flight standards.

[SAFETY ACTIVITIES](#)

[BENEFITS OF MEMBERSHIP](#)

[JOIN US](#)

[VIEW THE LAUNCH VIDEO](#)

NEWS

Helicopter Operators Formally Launch HeliOffshore
2014-10-21

Five major helicopter operators today officially announced a new industry association—HeliOffshore—for organisations with an interest in working together on safety in offshore helicopter transport.

CEO'S BLOG

The Beginning of Something Great

I have really been enjoying my first few weeks as HeliOffshore CEO. So much has happened already. We had our first board meeting on my mother's Birthday, September 18th. We presented plaques to commemorate it, because I wanted to mark the significance of 5 CEO's who had the vision to put aside competition and work together on Safety.

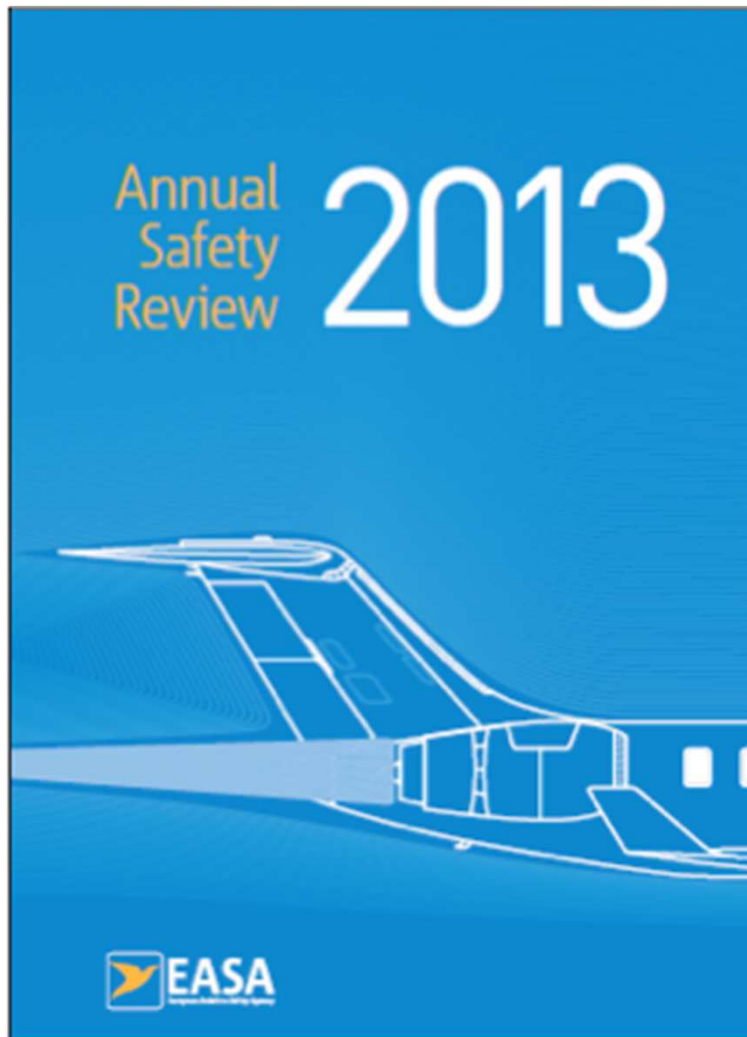
[Read More](#)

European Helicopter Safety Analysis Team (EHSAT)

Martin Bernandersson, EASA

EHSAT Lead Safety Analyst

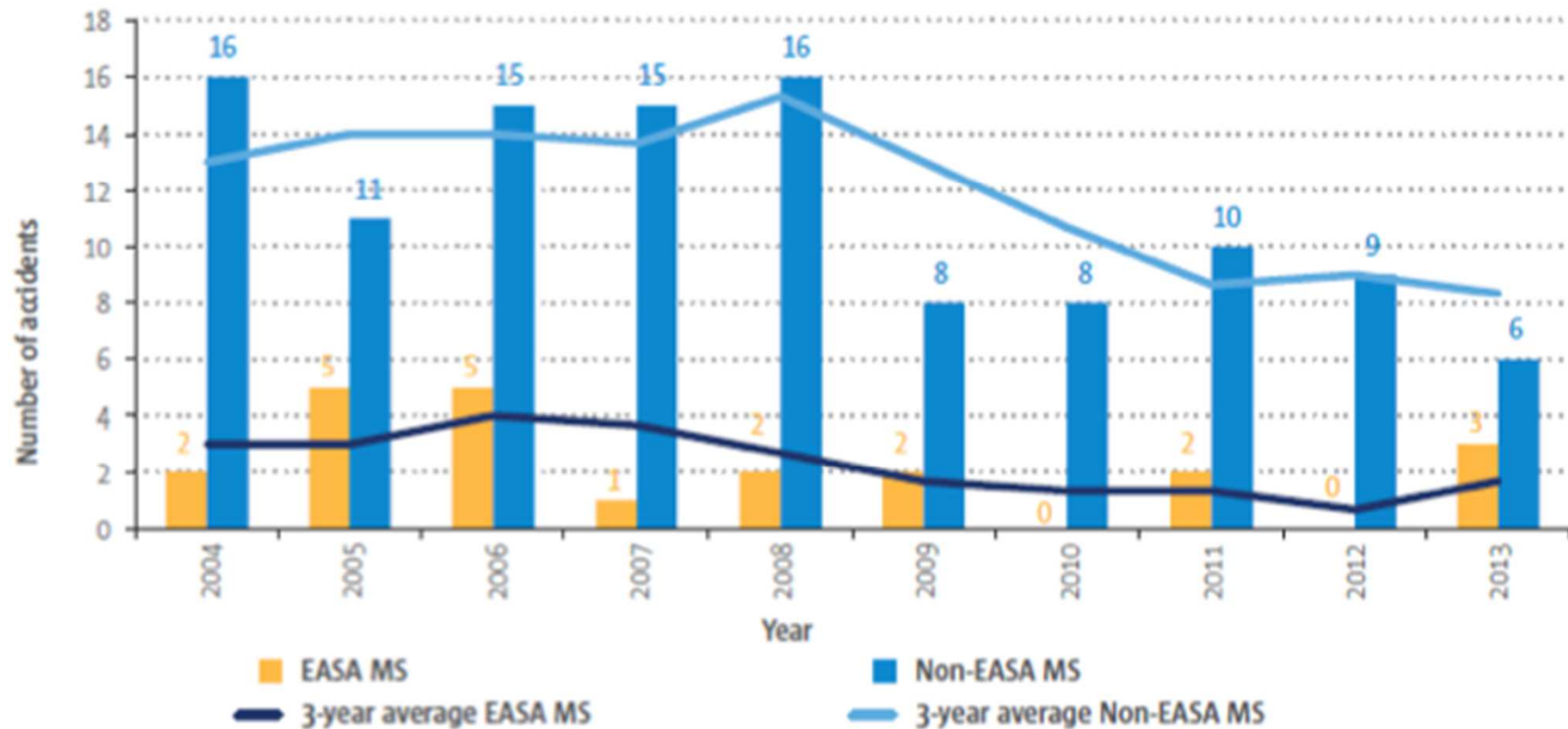
EASA Annual Safety Review 2013



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EASA Annual Safety Review

- Number of Fatal Accidents Involving EASA MS and Third-country Operated CAT Helicopters, MTOM Above 2,250 kg, 2004-2013



EHEST Analysis Reports

- 2000-2005: 327 accidents analysed
- 2006-2010: 162 accidents analysed



EHEST Report 2006-2010

*To be published
in autumn 2014*

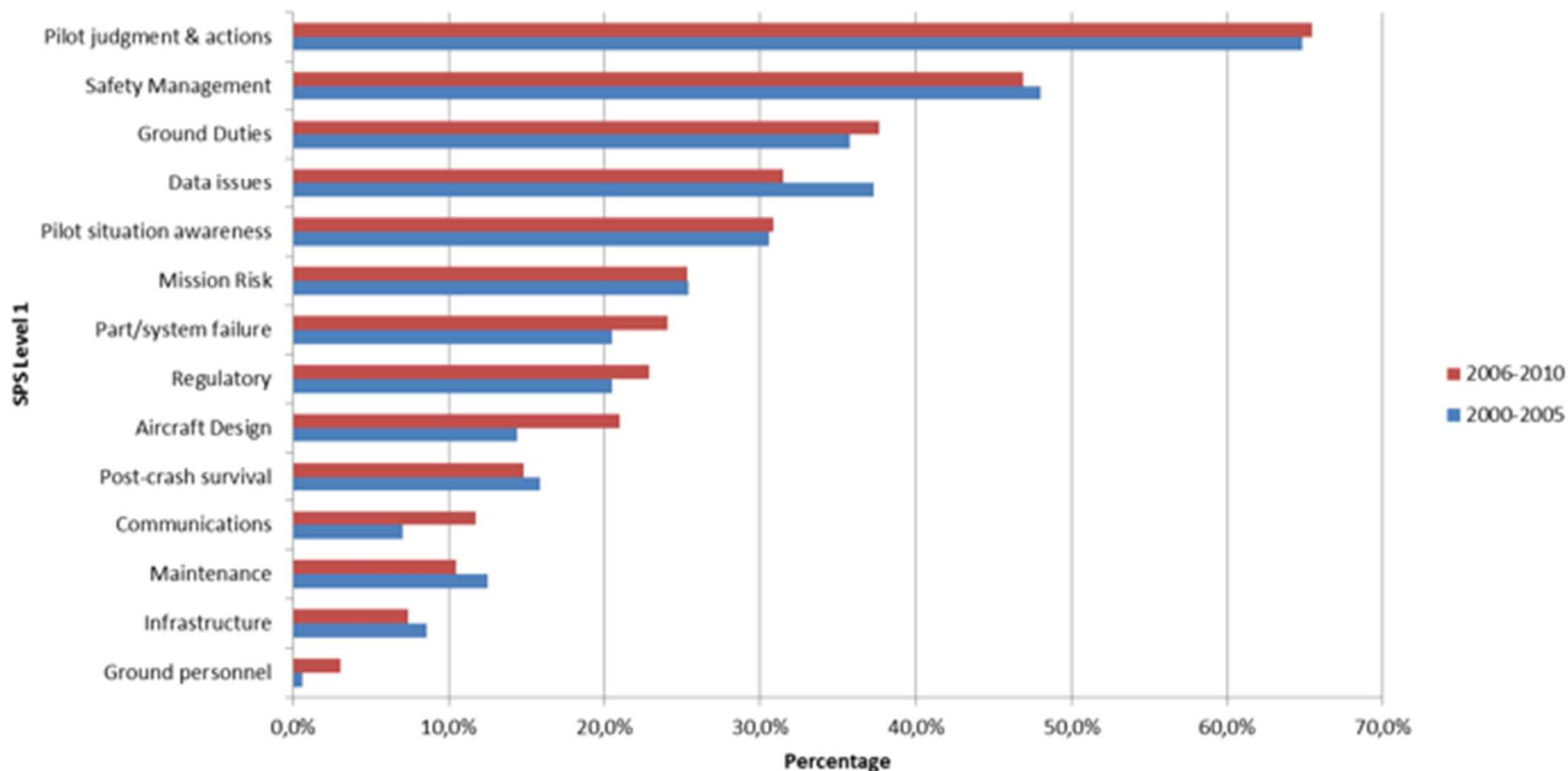
What's new?

Preview

EHEST Report 2006-2010

What's new?

Percentage of analysed accidents where SPS Level 1 was assigned at least once



Preliminary Conclusions

- The analysis of the 2006-2010 accidents is globally consistent with the results from 2000-2005
- The new data continue supporting the safety actions taken based on the 2000-2005 data

European Helicopter Safety Implementation Team (EHEST)

Gilles Bruniaux, Airbus Helicopters

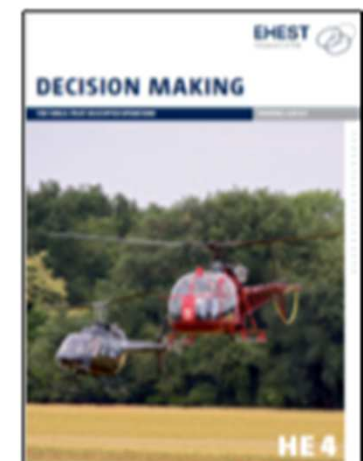
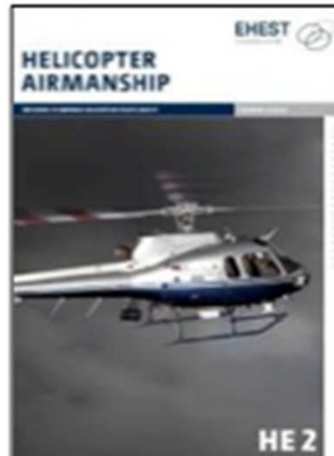
EHEST co-Chair
IHST Director Europe

From Analysis to Action

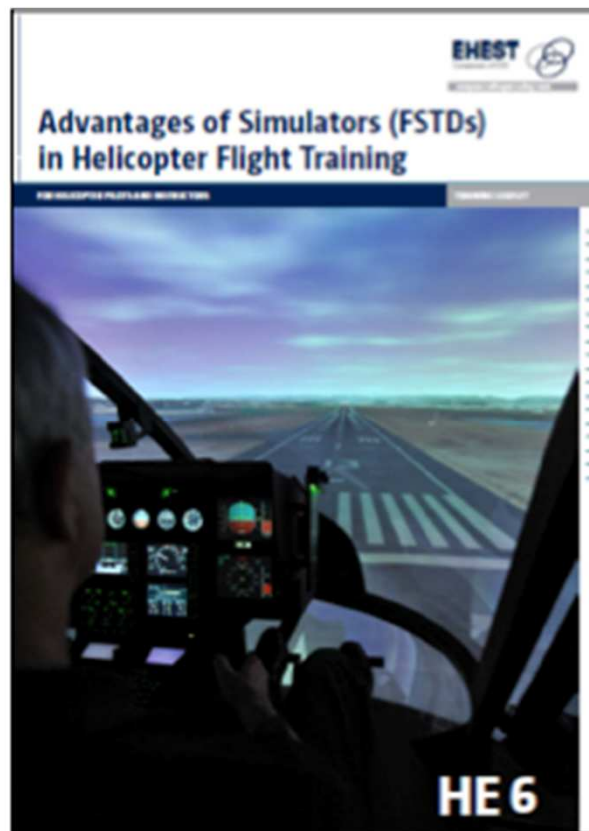
... leading to the development of safety material addressing top issues



More than 300 accidents analysed...



Most Recent Leaflets



Safety Videos

Video – Degraded Visual Environment and Loss of control

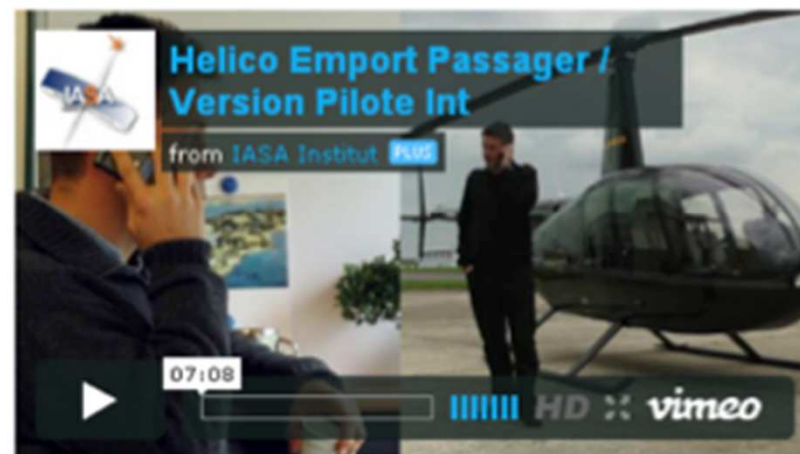
The EHSAT analysis shows that spatial disorientation is one major cause of accidents. This video was developed for EHEST by the French 'Institut pour l'Amélioration de la Sécurité Aérienne'.



[Degraded Visual Environment & Loss of Control](#) from [IASA Institut](#).

Video – Passenger management

Version for Pilots



The video was produced by the [IASA Institut](#).

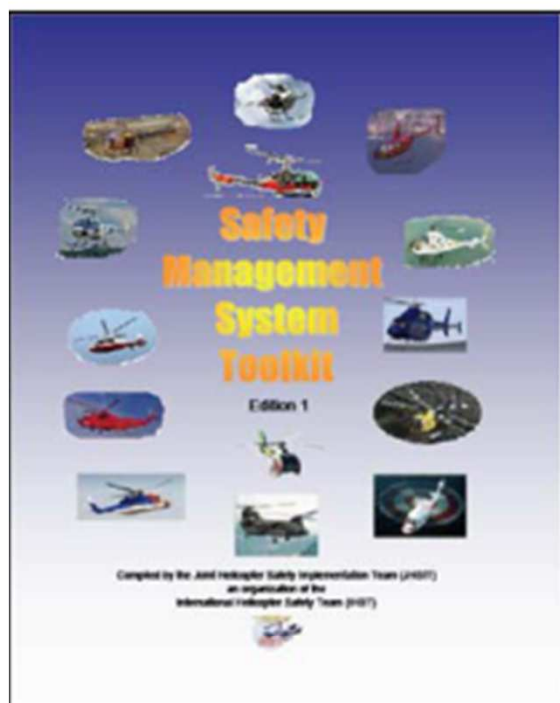


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Edition 1



Edition 2



SMS Video by HAI



EHEST SMS Toolkit Complex Operators

Based on
European
Rules



<http://easa.europa.eu/essi/ehest/main-page/ehest-safety-management-toolkit/>

EHEST SMS Toolkit NCOs

Based on
European
Rules



<http://easa.europa.eu/essi/ehest/main-page/ehest-safety-management-toolkit/>

IS-BAO by IBAC

- Compatible for helicopter ops since 2012
- Encouraged by BHA, EHEST and IHST



EHEST Flight Instructor Manual



To be Published
in Jan 2014

Safety Benefits of Technologies

- See the next presentation by Jos Stevens, NLR



EHEST Communication

Stefan Becker, REGA and EHAC
EHEST Communication Leader



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IHSS 2014

Seventh International Helicopter Safety Symposium

February 27-28, 2014

Anaheim Convention Center – Anaheim, California, USA





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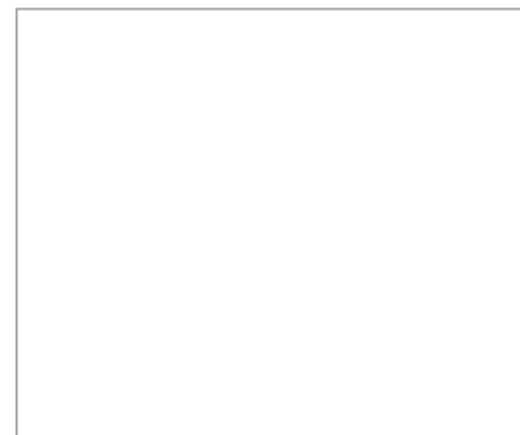
CONTACT US

3 THURSDAY 03 JULY | CONFERENCE

Technology: Friend or Foe? The Introduction of Automation to Offshore Operations

In the wake of recent helicopter incidents, such as the August 2013 accident, the safety of offshore helicopter operations in the North Sea has been comprehensively reviewed by the British Government, European regulators, manufacturers, operators, the oil and gas industry, and end users - including trade unions. Loss of control associated with the sophistication and automation of modern aircraft and helicopters together with the training that pilots receive have been identified as issues requiring attention.

This conference will focus on automation in modern complex helicopters engaged in offshore operations worldwide and the underlying design, operational and training issues. The Royal Aeronautical Society, as an independent body with a wide spectrum of aeronautical disciplines is uniquely placed to bring interested parties together to discuss and influence ways in which helicopter design, operation and training can be further improved to increase operational effectiveness, while raising the bar on flight safety.



KEY DETAILS

When: Thursday, 03 July 2014 09:00 - Friday, 04 July 2014 17:00

Type: Conference

Specialist Grp: Rotorcraft



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Safety Workshop

Hosted by the European Helicopter Safety Team (EHEST) and the International Helicopter Safety Team (IHST), the free to attend safety workshop shall focus on the key elements impacting rotorcraft safety. Including:

- Flight training
- Risk management
- Safety management systems
- The benefits of technologies and technological solutions on alleviating safety concerns

Price: This event is **free** to attend as part of the exhibition. Attendance will be on a first-come, first-served basis.



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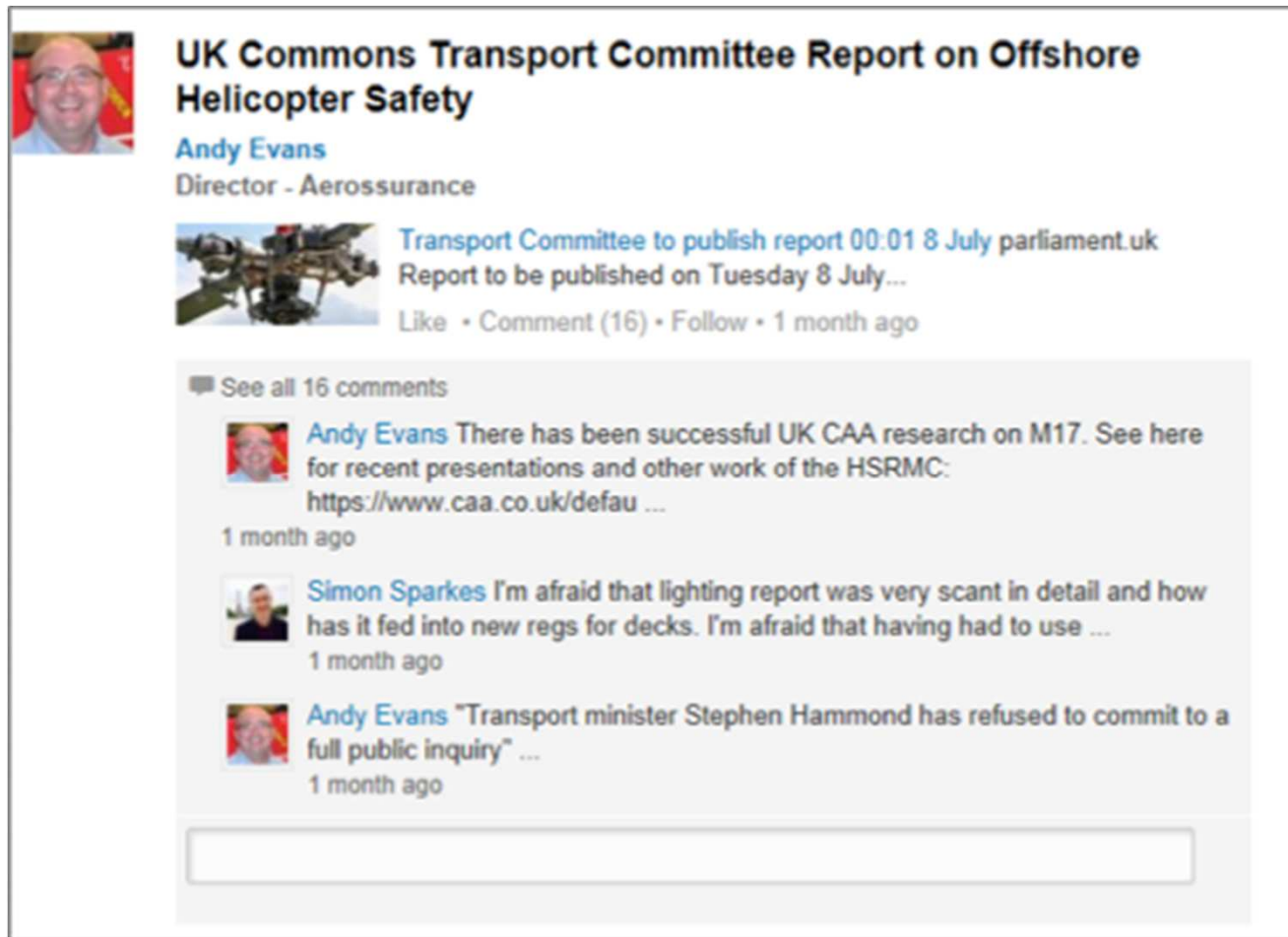


OPENING TIMES

| | |
|--------------|---------------|
| TUES 14 OCT | 10.00 - 17.00 |
| WEDS 15 OCT | 10.00 - 17.00 |
| THURS 16 OCT | 10.00 - 16.00 |

European Helicopter Safety Group on LinkedIn

- Created in Feb 2014, offers an exchange and discussion space and contributes to bridging the gap with the community





EASA
European Aviation Safety Agency



Thank you!

Questions?

ehest@easa.europa.eu



Your safety is our mission.

An agency of the European Union 