

**European Helicopter Safety Team (EHST)
Newsletter October 2010**

*by EHSAT co-chair Michel Masson, EASA, and EHST Communication WG Rapporteur
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**2nd 2010 meeting of the European Helicopter Safety Analysis Team (EHSAT)
on 7 Sep at EASA in Cologne**

The EHSAT has finished its contribution to the **Final Report of 2000-2005 European Helicopter Accidents**. This report is the main deliverable of the year and follows on from the Preliminary Report published in 2009 which covered the first 186 accidents to be analysed. The final report covers 311 reports, showing the significant progress in analysis over the last two years. It was formally presented at the **International Helicopter Safety Seminar (IHSS 2010)**, which, for the first time, took place in Europe. The **4th EASA Rotorcraft Symposium** organised in Cologne on 8-9 Dec will also be used to reach our target audiences.

In parallel the EHSAT Regional Teams continue the analysis of helicopter accidents which occurred in Europe after 2005, and for some of them, like the UK EHSAT, before 2000. The Regional Teams will continue the analysis of accidents reports at the rate of approximately one year of accidents per year. The information gained will be used to monitor the effects of future safety enhancements and to identify any emerging safety issues related, for instance, to operational, technological and regulatory developments.

2nd 2010 meeting of the European Helicopter Safety Implementation Team (EHSIT) on 7-8 Sep at EASA in Cologne

The EHSIT processes the data analysed by the EHSAT to develop, implement and monitor safety enhancement action plans across Europe. These action plans will contribute to achieving the shared IHST/EHEST objective of reducing the accident rate by 80% by 2016, with emphasis on European safety.

José Esteve Fernández de Córdova, Corporate Safety and Quality Manager at INAER, Spain, representing newEHA, was unanimously approved as the new EHSIT industry co-Chair.

Johan Agin, ECA, gave a report on the **EHSIT ST Ops & SMS**. Large operators have a Flight Ops Department, FDM data, and often sophisticated Quality and Safety Management Systems. Small operators are often in a very different situation. SMS is essential to identify, assess, and manage everyone's risks and the IHST/EHEST is focusing on two key products: the IHST SMS Toolkit (available free of charge on www.ihst.org) and the Helicopter version of IS-BAO (see below). Based on the EHSAT data, the EHSIT ST Ops & SMS stated a main objective was to support small operators on operational risk management and started to develop operation-specific, pre-flight risk assessment checklists. Regarding SOPs, it was decided to try and produce guidance to develop SOPs based on existing EU-OPS AMC and on the EASA NPA material.

The EHSIT will support the development in 2010 of the **Helicopter version of IS-BAO**. An agreement to develop IS-BAO (HE) was signed at the Berlin Airshow on 9 June 2010 by newEHA, the Helicopter Association International (HAI), the British Helicopter Association (BHA), and the International Business Aviation Council (IBAC). IS-BAO is a set of performance-based standards that addresses operations, maintenance, training and other related issues. As well as providing an SMS template it also provides a complete verification audit programme; benefits are foreseen in particular for small operators.

The **EHSIT ST Training** has developed Safety Leaflets and videos on important safety considerations such as Vortex Ring and Loss of Tail Rotor Effectiveness, Dynamic and Static Rollover, Loss of Visual References, RPM management, and Helicopter Modern Cockpit & Training. In the longer term, the Team will also tackle the more ambitious project to develop a European Instructor Training Manual. The first Safety Leaflet and video were officially presented at IHSS 2010.

The **EHSIT ST Regulation** has aggregated all related IRs coming from the EHSA, and has extended participation. Their Terms of Reference were approved in session. Tony Eagles, UK CAA, noted that the work of the ST Regulation can result in rulemaking proposals but also in proposals for best practice material. Proposals could be addressed to EASA but also to ICAO or to the NAAs, depending on the subject. This summer the ST Regulation has provided on behalf of the EHEST inputs to the EASA Rulemaking CRD concerning the draft Agency Opinion on a Commission Regulation establishing the Implementing Rules for the Licensing of pilots. In particular the removal of the mandatory 5 hours Instrument Flying in the PPL (H) was commented on. Since then, the EASA Opinion has been published and EASA Rulemaking has provided an answer to the comments submitted [what was the response?].

Chaired by Dave Huntzinger, Eurocopter, the **EHSIT Specialist Team on Maintenance** brings together European and US experts who have volunteered to develop an **IHST Maintenance Toolkit**. The following aspects will be covered: maintenance operations, sustaining training and competence, Quality Assurance, and fuel management. This new toolkit will complete the series featuring so far the IHST SMS Toolkit, the IHST Training Toolkit, the IHST Risk Assessment Toolkit, and the IHST Helicopter Flight Data Monitoring Toolkit - all available free of charge on www.ihst.org.

IHSS 2010 Announcement. The 4th iteration of the International Helicopter Safety Symposium (IHSS 2010) took place in Europe for the first time in Oct. IHSS 2010 was jointly organised by the IHST and the EHEST and took place in the Miragem Hotel in Cascais, Portugal, on 3-4 Oct (just before **Helitech** which also took place in Cascais). More information on this event will be published shortly.

EASA Rotorcraft Symposium 2010. The 4th iteration of the EASA Rotorcraft Symposium will take on 8-9 Dec in Cologne. The call for papers is open. EHEST Secretary Michel Masson, EASA, will send an abstract for the EHEST. In addition, EHEST organisations are invited to send an abstract to Marina Spinello, EASA. For more information please visit <http://easa.europa.eu/events/events.php>.

Publications and Conferences in brief

- The **Final EHEST Analysis Report of 2000-2005 European Helicopter Accidents** was officially presented at IHSS 2010 on 3 Oct.

- A mixed European-US Team will develop the **Helicopter version of IS-BAO**, to be delivered in 2011.
- A mixed European-US Team will develop a **Helicopter Safety Portal on SKYbrary**.
- A mixed European-US Team is developing the **IHST Maintenance Toolkit**, to be delivered in 2011.
- **The International Helicopter Safety Symposium (IHSS 2010)** took place in the Hotel Miragem in Cascais, Portugal, on 2-3 Oct, just before **Helitech**. See <http://www.ihst.org/> and <http://www.helitechevents.com/>.
- Authored by Michel Masson an Information Paper on ESSI was presented at **the 37th ICAO General Assembly** taking place between 28 Sep and 8 Oct in Montreal. See <http://www.icao.int/Assembly37/docs/>.
- Co-authored by Duncan Trapp and Michel Masson an article on SMS was published in the Oct edition of **4Rotors**, the official publication of newEHA.
- Jaume Bosch, SEPLA, EHSAT/EHSIT Spain, will deliver a presentation on "Safe Helicopter Operations in Aerial Firefighting" at the **Aerial Firefighting International Conference 2010** to take place on 2-3 Dec in Málaga, Spain. <http://www.unisdr.org/europe/events/v.php?id=13958>
<http://www.tangentlink.com/events/>
- The **4th EASA Rotorcraft Symposium** will take place on 8-9 Dec in Cologne. See http://www.easa.europa.eu/ws_prod/g/g_events.php.

Background information on EHEST

The EHEST brings together helicopter manufacturers, operators, regulators, helicopter and pilots associations, research organisations, accident investigators and military operators from across Europe. EHEST has members from organisations including: Eurocopter, AgustaWestland, EASA, UK CAA, MoD UK DASC, IAAA, DGAC France, BEA France, ENAC Italy, CAA Norway, FOCA CH, EHA, EHOc, EHAC, QinetiQ, RAeS, Irish AAIB, AIB Hungary, UK AAIB, BFU Germany, Bristow Group, CHC, Shell Aircraft Ltd, NLR, DLR, AviateQ Int., APYTHEL, AIB and CAA Spain, Swiss Helicopter Association, etc.

EHEST addresses the broad spectrum of helicopter operations across Europe; from commercial air transport to General Aviation and flight training activities. EHEST brings together around 130 participants, from which around 70 are actively involved in the analysis and implementation activities.



Governance

- **EHEST co-Chairs:** John Vincent, EASA, John Black, EHOc, and Jean-Pierre Dedieu, representing Eurocopter.
- **EHSAT co-Chairs:** Michel Masson, EASA (the industry co-Chair position is vacant).
- **EHSIT co-Chairs:** John Steel, IAA, and José Esteve, INAER.
- **EHSIT Specialist Team Operations & SMS Rapporteur:** Stefano Burigana, Elilombarda.
- **EHSIT Specialist Team Training Rapporteur:** Christophe Marchal, Eurocopter.
- **EHSIT Specialist Team Regulation Rapporteur:** Dave Howson, UK CAA.
- **EHSIT Specialist Team Maintenance Rapporteur:** David Huntzinger, Eurocopter.
- **EHEST Communications Sub-Group Rapporteur:** Duncan Trapp, CHC Helicopter.

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