Introduction to EASA and the future Safety regulation of aviation MET services

and

the European General Aviation Safety Team (EGAST)

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ICAO/WMO User Consultation Workshop on MET service for LLF

Presented by: Clément Audard, EASA

Prepared by: Maria Algar-Ruiz, Clement Audard & Filippo Tomasello, EASA

EASA

The European Aviation Safety Agency is the centrepiece of the European Union's strategy for aviation safety.

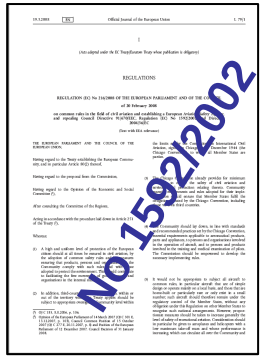
- **Operational since 28 September 2003**
- **Offices in Cologne, Germany since November 2004**
- **Independent legal status**

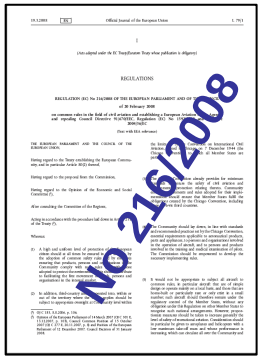
EASA Mission and tasks

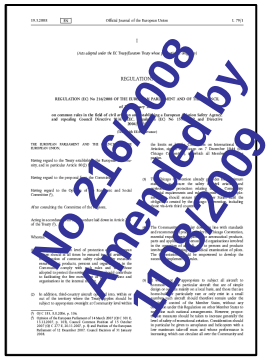
- Mission:
  - promote the highest common standards of safety and environmental protection in civil aviation.

- The main tasks of the Agency originally included:
  - Rulemaking: drafting aviation safety legislation and providing technical advice to the EC and to the Member States;
  - Inspections, training and standardisation programmes to ensure uniform implementation of safety legislation in all Member States;
  - Type-certification of aircraft, engines and parts;
  - Approval of aircraft design organisations world-wide and of production and maintenance organisations outside the EU;
  - Coordination of Safety Assessment of Foreign Aircraft (SAFA);
  - Data collection, analysis and research to improve aviation safety.

EASA Remit







- **Initial EASA Basic Regulation 2003**

  Focussed on Initial and continued Airworthiness

- **1st remit extension 2008**

  Operations, Flight Crew Licensing , Third Country Operators, Training Organisations, Aeromedical centres

- **2nd remit extension 2009**

  Aerodromes, air traffic management & **air navigation services**

EASA Essential Requirements for MET SPs

(i) have the means necessary for the service

(ii) develop management and OPS manuals

(iii) implement a risk-based management system

(iv) use only suitably qualified and trained personnel

(v) establish formal interfaces with all the other contributors to the service provision

(vi) establish a contingency plan

(vii) establish accident and incident prevention and safety programme including occurrence reporting and analysis

(viii) verify safety requirements of systems and constituents they operate

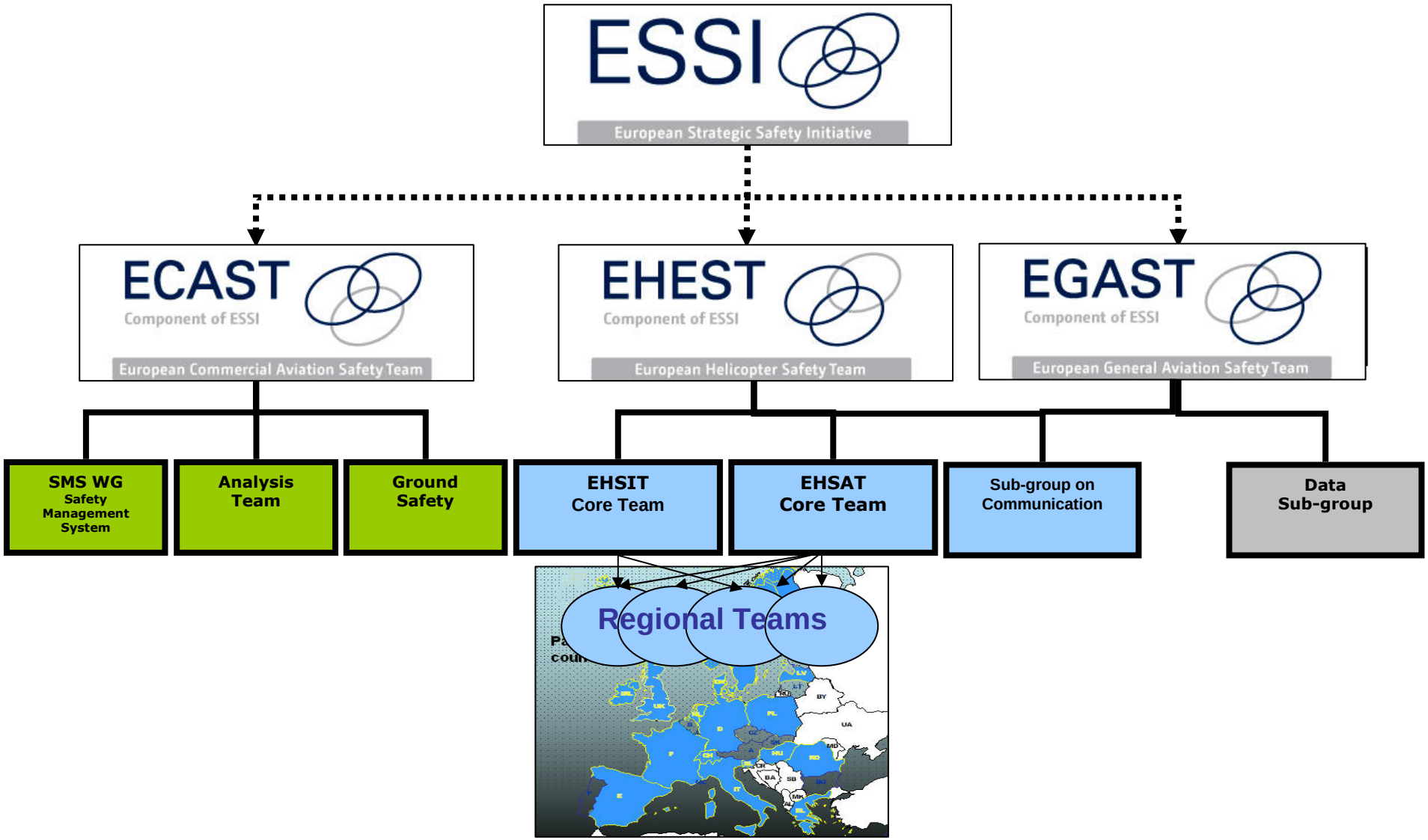
"predictive" SMS

"inter-org" SMS

"proactive" SMS

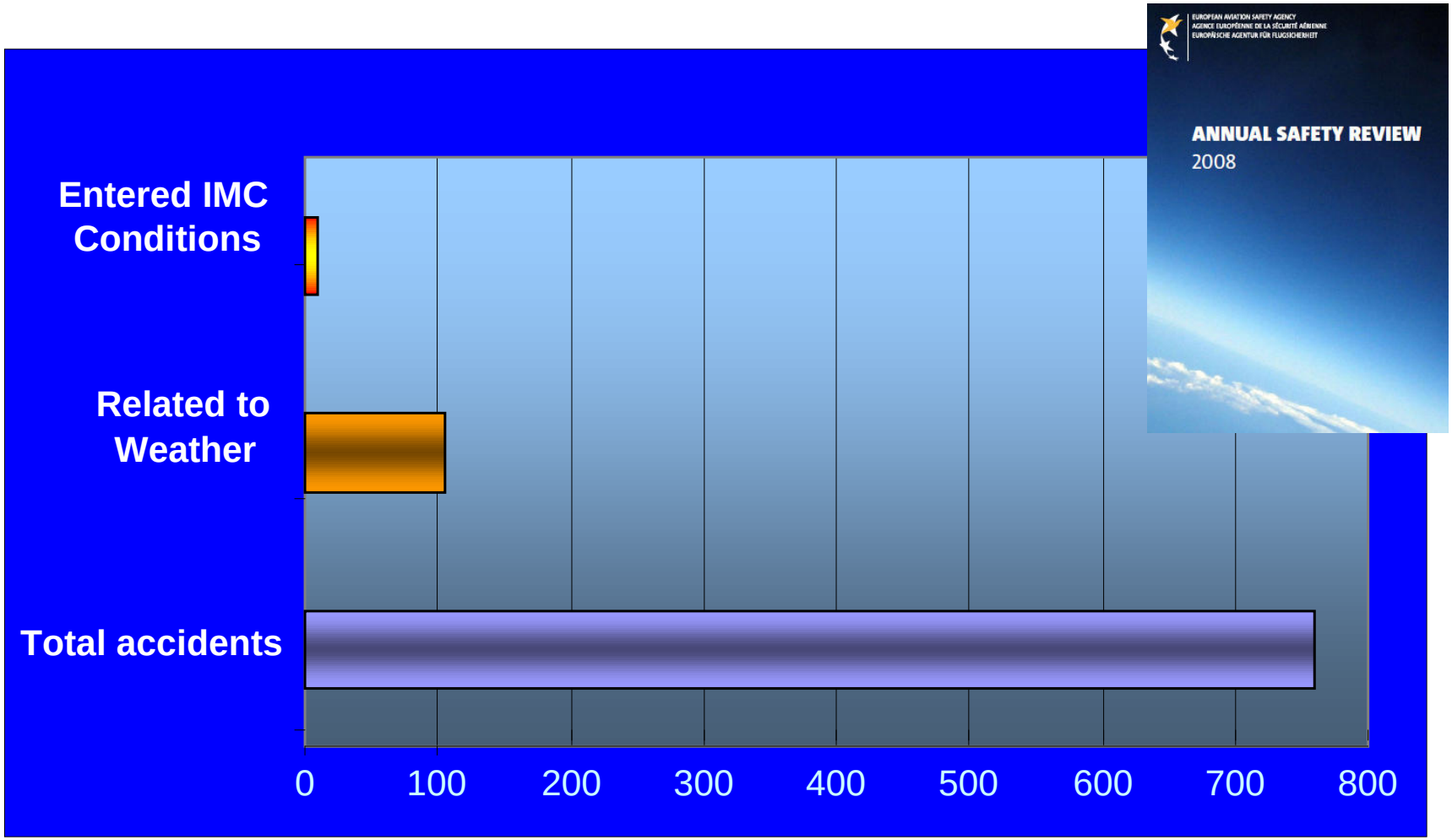
The European Strategic Safety Initiative

- 10 year programme (2006-2016) aimed at improving aviation safety in Europe, and for the European citizen worldwide
- Partnership, with more than 150 organisations
- Powered by industry and **facilitated by EASA**
- In line with the ICAO GASRM - 2006



ESSI: European Strategic Safety Initiative
ECAST: European Commercial Aviation Safety Team
EGAST: European General Aviation Safety Team
EHEST: European Helicopter Safety Team

Accidents in General Aviation (aeroplanes) in 2008 in Europe for Aircraft of less than 2250 kg MTOM.



EGAST

Objective:

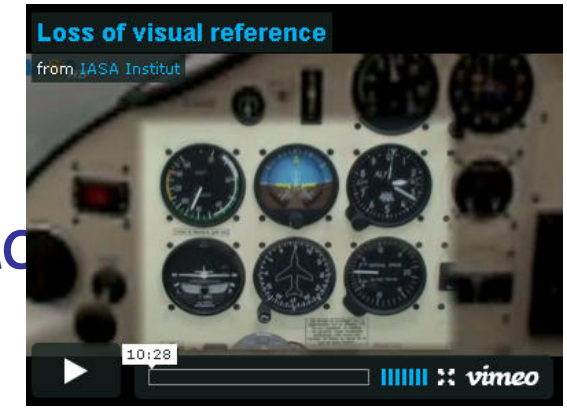
- EGAST promote and initiate for all sectors of General Aviation best practices and awareness in order to improve safety.

Work-packages:

- **Risk awareness and decision making enhancement.**
- **Proactive Safety**: The analysis of today accidents and incidents may not reveal the risks of tomorrow. Identify emerging and future risks for GA.
- **General Aviation Safety data**: The team will facilitate and encourage the sharing of data.

EGAST

- Safety promotion
  - Video - Back side of the power curve
  - Video - Loss of visual references (entry in IMC
  - Leaflet - Collision Avoidance



- Coordination with EASA Research
  - Safety Spin Resistance Concept
  - Safety Implication of Biofuels in Aviation

- Identification of future risks for GA

http://www.easa.europa.eu/essi/EGAST_1.htm

EASA Conference

- International Air Safety & Climate Change Conference (IASCC) 8-9 September 2010 in Cologne, Germany
  - Call for Paper available on EASA Website

Contacts and links

EASA
Ottoplatz 1
D-50679 Köln
PO Box 101253
D-50452 Köln, Germany
Tel: 49-221-89990000

EASA Rulemaking

ATM/Aerodrome website: http://www.easa.europa.eu/atm

Contact:

Maria Algar Ruiz, Rulemaking Officer
maria.algar-ruiz@easa.europa.eu
Filippo Tomasello, Rulemaking Officer
Filippo.Tomasello@easa.europa.eu

ESSI / EGAST

Website: www.easa.europa.eu/essi

Contact:

Clément Audard, Safety team support Officer
clement.audard@easa.europa.eu
Michel Masson, Safety action Coordinator
Michel.masson@easa.europa.eu

List of abbreviations

CAST:	Commercial Aviation Safety Team
EASA:	European Aviation Safety Agency
ECAST:	European Commercial Aviation Safety Team
EGAST	European General Aviation Safety Team
EHEST	European Helicopter Safety Team
EHSAT:	European Helicopter Safety Analysis Team
EHSIT:	European Helicopter Safety Implementation Team
ESSI:	European Strategic Safety Initiative
EU:	European Union
HFACS:	Human Factors Analysis and Classification System
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IHST:	International Helicopter Safety Team
IMC:	Instrument Meteorological Conditions
IR:	Implementing Rules
NAA:	National Aviation Authorities
SMS:	Safety Management System
SSP:	State safety programme
WG:	Working Group