EASA
European Aviation Safety Agency

Occurrence Reporting in the European Union - Enablers

Santiago HAYA-LEIVA

Safety Analyst
SM1 – Safety Intelligence and Performance Department
European Aviation Safety Agency

Your safety is our mission.

An agency of the European Union

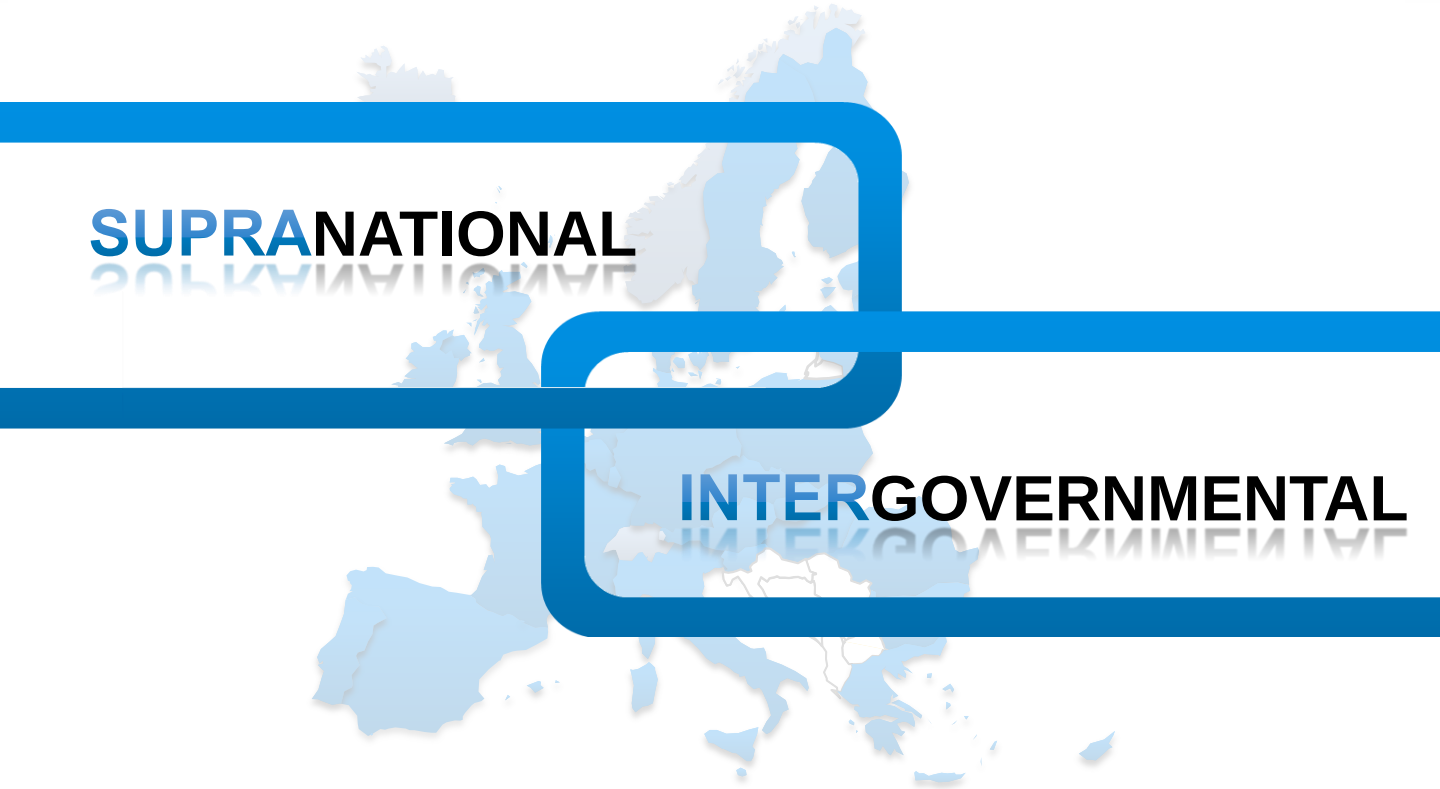
- Brief Introduction to the European Union Aviation Safety System and to EASA

European Union and EFTA countries

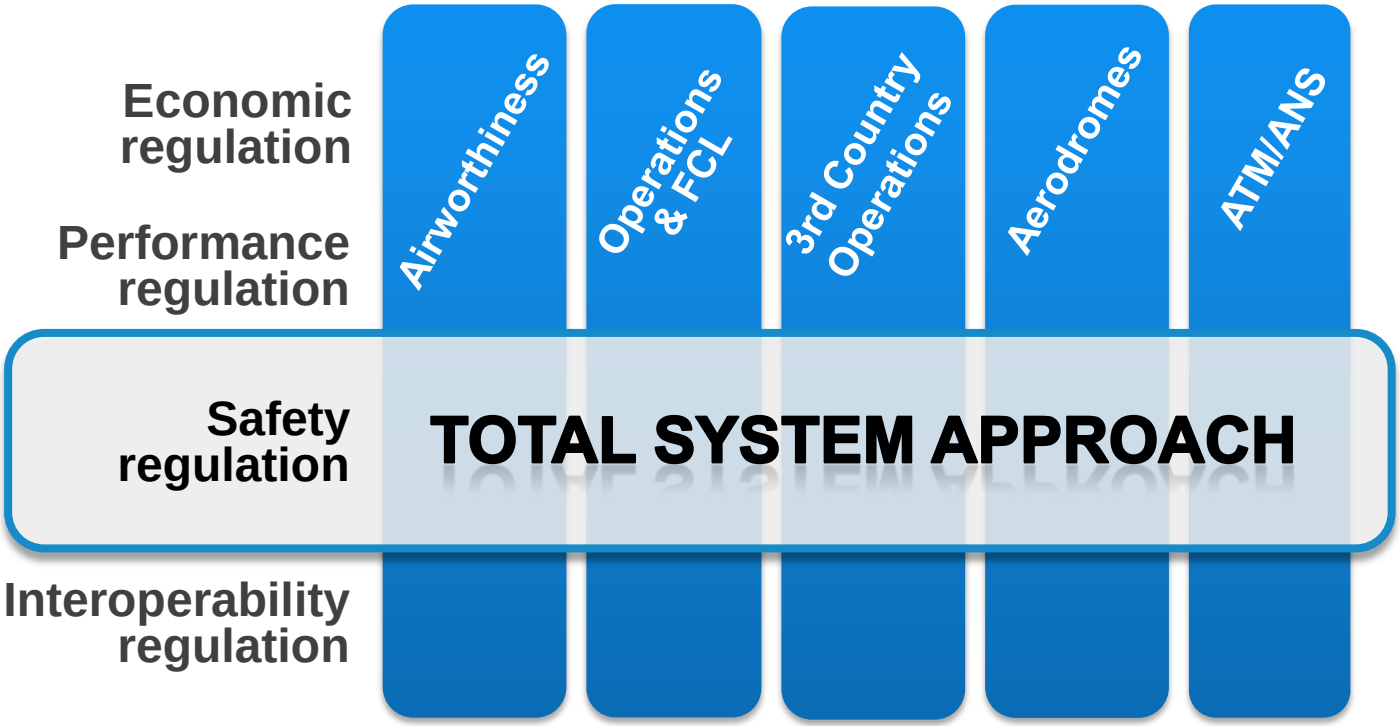
28 EU states

4 EFTA states

How the European Union works



Scope


Economic regulation
Performance regulation
Safety regulation
Interoperability regulation
Airworthiness
Operations & FCL
3rd Country Operations
Aerodromes
ATM/ANS
TOTAL SYSTEM APPROACH

Partnership with EU Member States

European Commission

Member States

EASA
European Aviation Safety Agency

- Implementing EU Legislation
- Oversight of national organisations
  - Production
  - Maintenance
  - OPs/Licencing
  - Training
  - ATM
  - Aerodromes

- Implementing rules
- Standardisation of Member States
- Aircraft and products certification
- Safety of non-EU operations
- Oversight of non-EU organisations
  - *Production*
  - *Maintenance*
  - *Training*
  - *ATM*

Core Activities of EASA

Product Certification

Third Country Operators

Rulemaking

Safety Analysis and Research

Standardisation

European Aviation Safety Programme

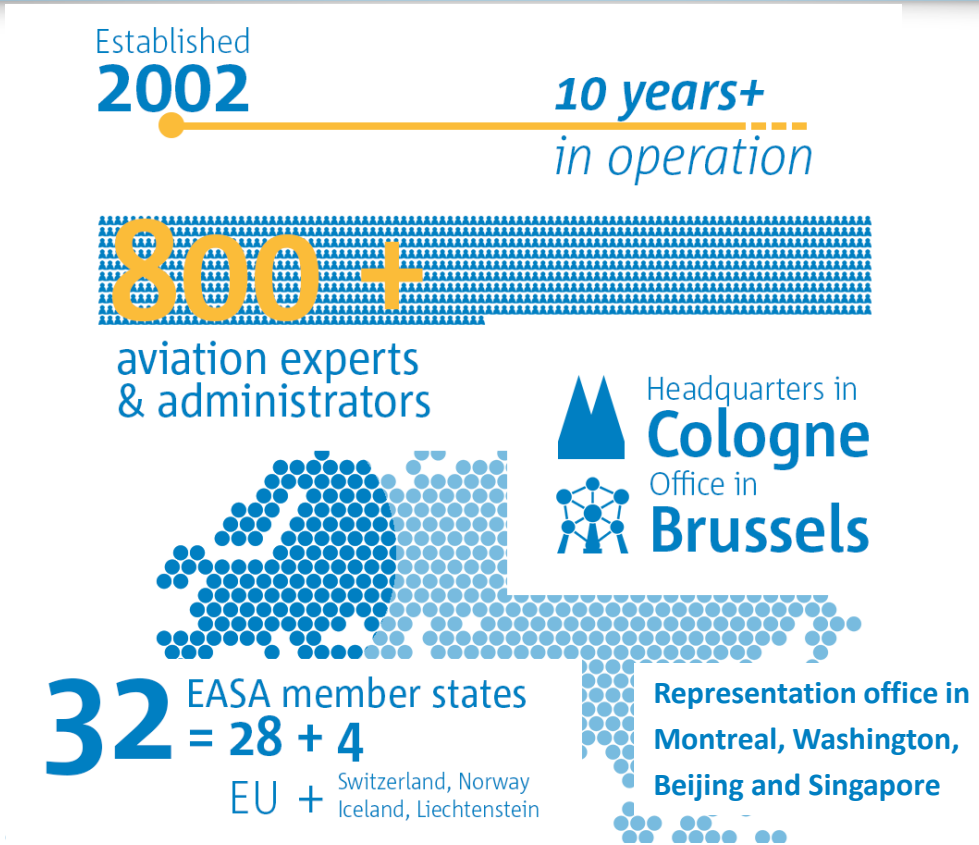
Organisation Approvals

International Cooperation

Safety Assessment of Foreign Aircraft

Technical Training

Facts and figures of EASA

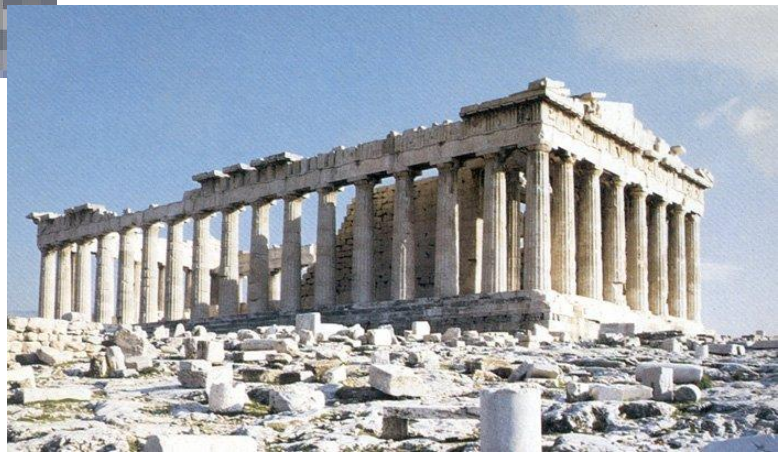


- Enablers for an Efficient Occurrence Reporting – The European Union System

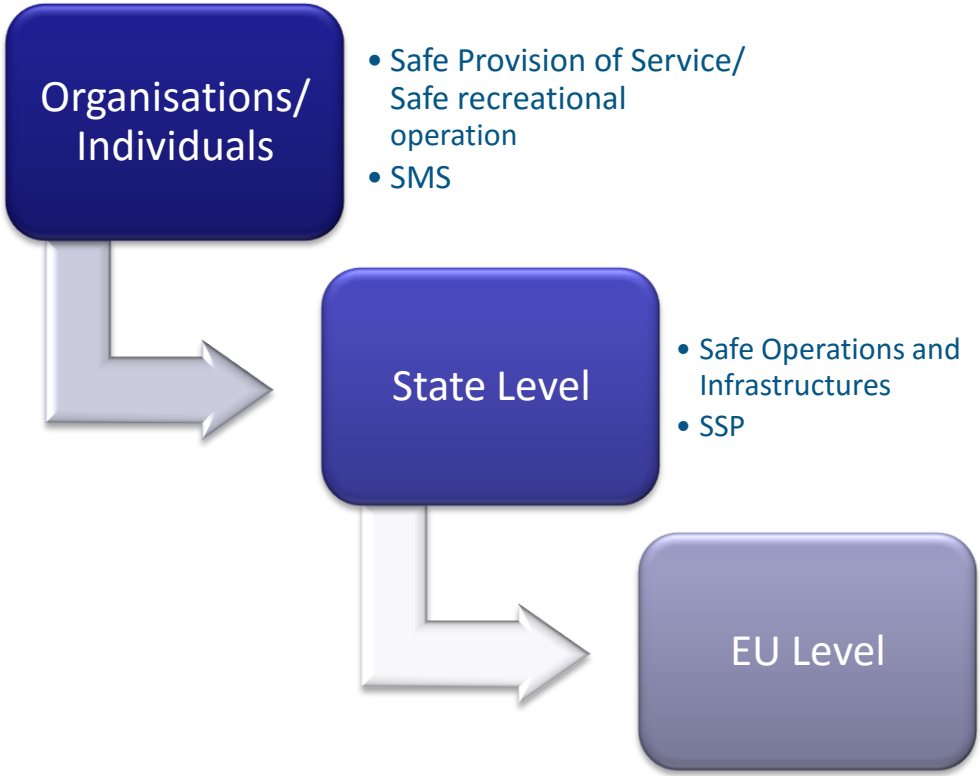
Starting by the end…

The ultimate goal is to draw the risk picture of the EU Aviation System to act upon

Occurrence reporting is one of the main data sources to build this risk picture



The goal at all levels…



Context

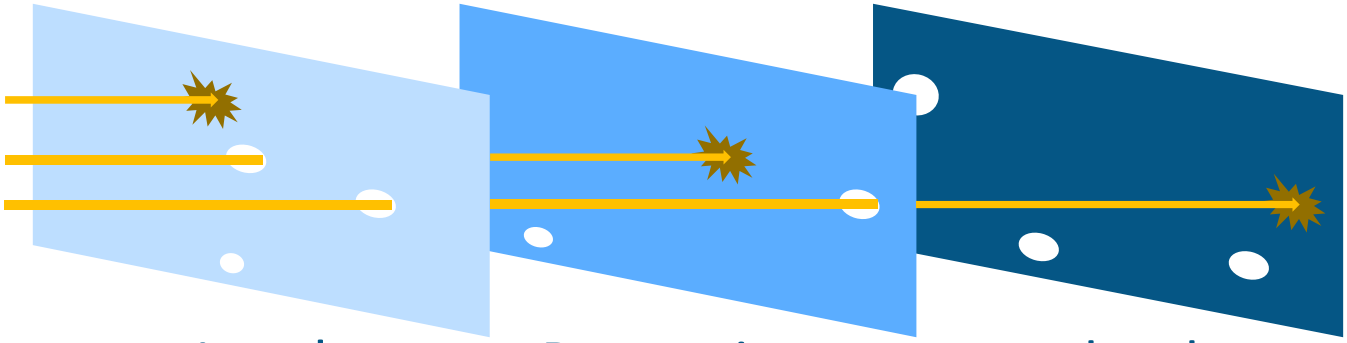
- Two steps:
  - Getting the information – Enablers
    - Regulation 376/2014 on Occurrence Reporting
  - Analysing and acting on the information – Using the information
    - EU Risk Management Process

Context

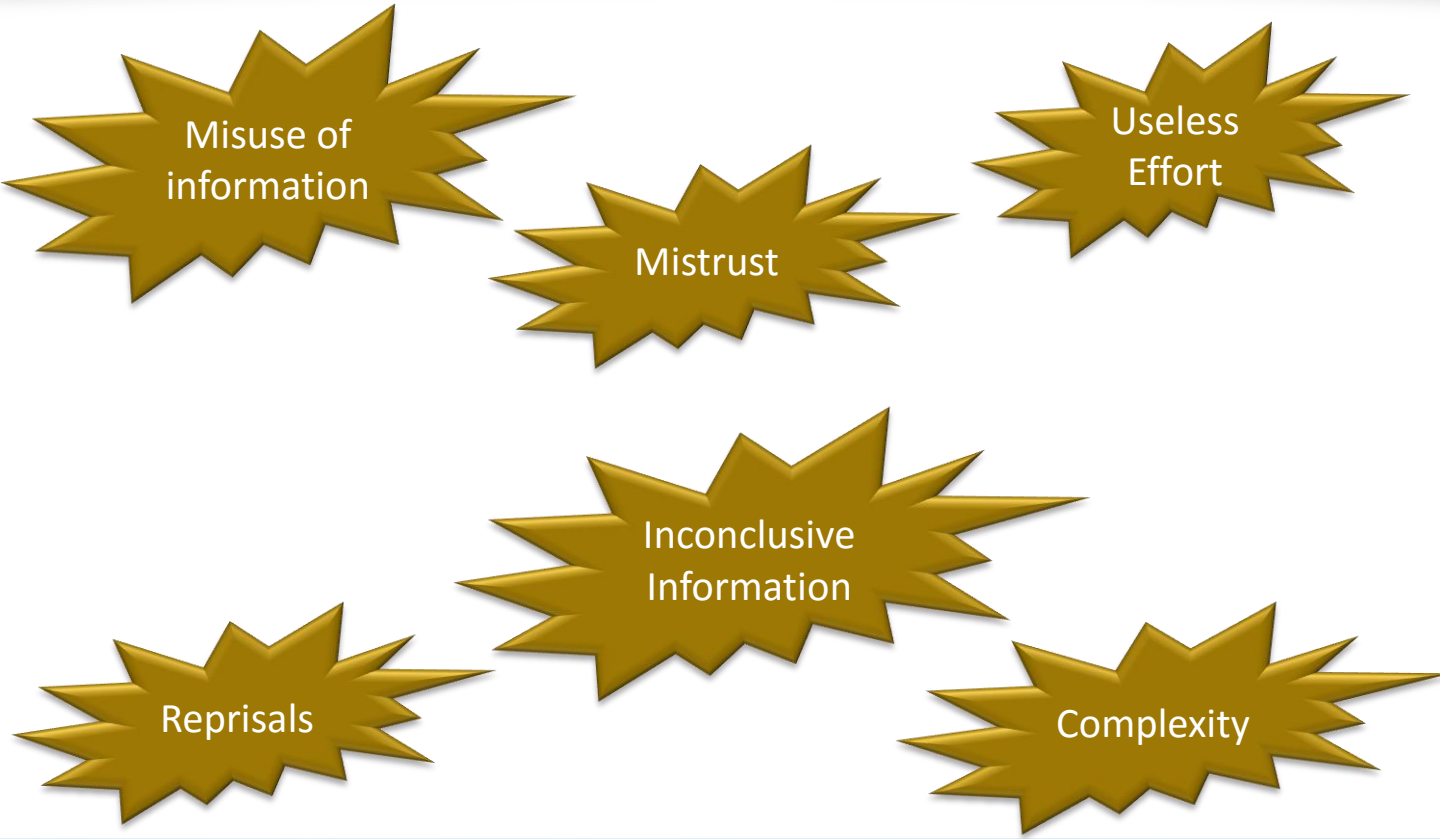
- Getting the information – Enablers
  - Regulation 376/2014 – Reporting in the EU

Enablers for reporting

- Enabler:
  - Measure to make reporting possible and efficient
  - Barrier to stop to known threats on reporting



Main threats to reporting



Legal measures in the EU System

- Reporting obligation on aviation professionals, organisations, States and EASA
- Requirements for MORS and VORS in organisations, States and EASA – **flexibility for the State on the owner of the M/VORS**
- Obligations on analysis, hazard identification, risk mitigation and assessment of actions for organisations, States and EASA
- Storage of anonymised data, dissemination of de-identified and/or aggregated information only
- Just Culture Policy in organisation, discussed with employees represntatives

[Link to the Regulation 376/2014]

Legal measures in the EU System

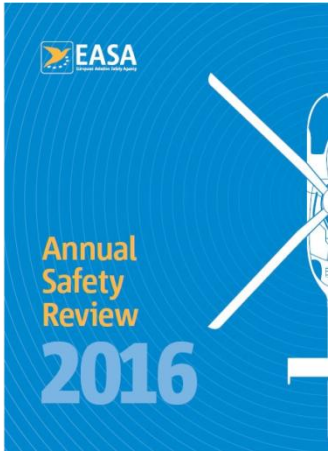
- Strong legal protection on individuals and on reported data (highest Law)
- Restrictions of data/information use
  - Only for safety puroposes
  - Impossibility to conduct proceedings
- Appeal Body at National level with reporting to EC in 5 year cycle
- Cooperation with Justice Administration through advance administrative arrangements

Promotion measures in the EU System

- Awareness campaign by European Commission and professional associations (i.e. ECA)
- Publication of Guidance Material for individuals, organisations and States
- High Level Signature of the Just Culture Corporate Declaration – to be transferred to organisations
- Programming of Workshops and Trainings in support to the implementation of R376/2014 (better quality of data)

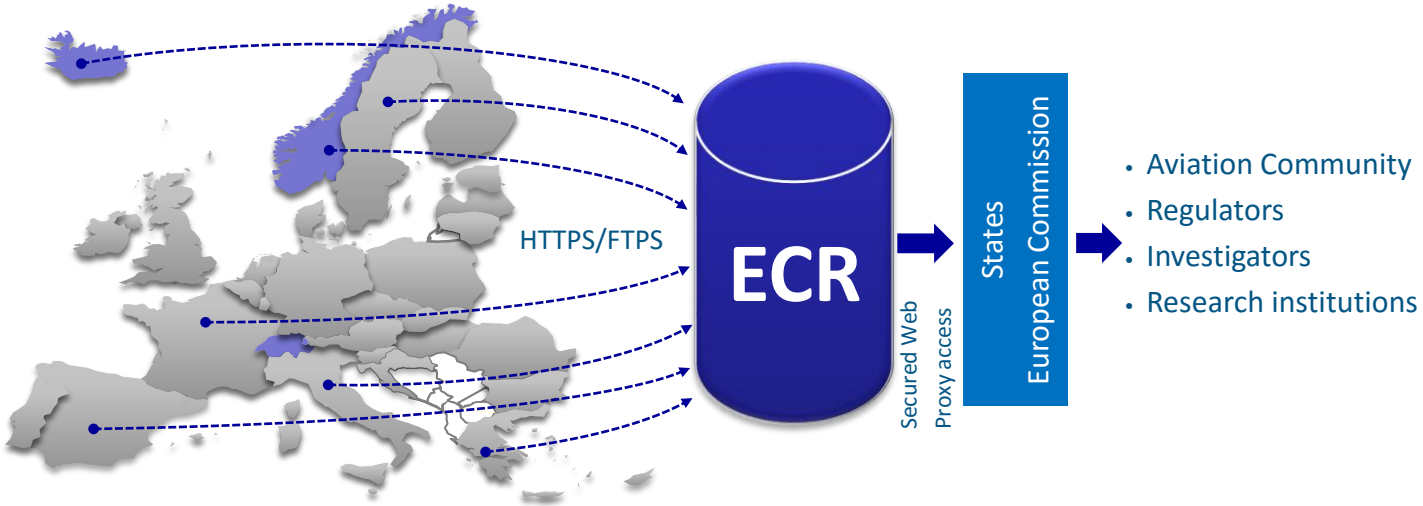
Promotion measures in the EU System

- Establishment of the Network of Aviation Safety Analysts
- Requirement of Feedback Loops in organisations
- Annual publication at national and EU level to inform the public on the level of safety
- Launch of the EU Aviation Reporting Portal as information hub on occurrence reporting and Just Culture www.aviationreporting.eu



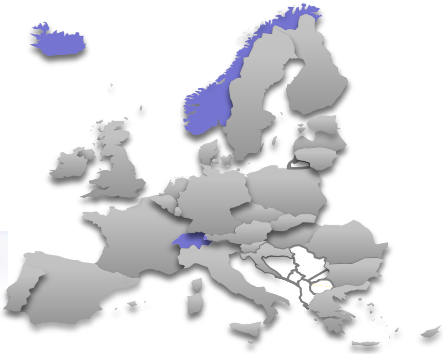
Technology in support to the EU System

- European Central Repository containing all occurrences reported to States and EASA with conclusive investigations, actions and their follow-up when required
- IT secured, encrypted occurrence data bank
- Controlled access, strict dissemination policy



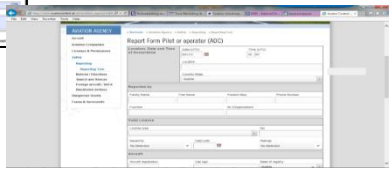
Technology in support to the EU System

- Simpler standard reports including mandatory fields
- Definition of ECCAIRS/ ADREP compatibility
- EU reporting portal www.aviationreporting.eu



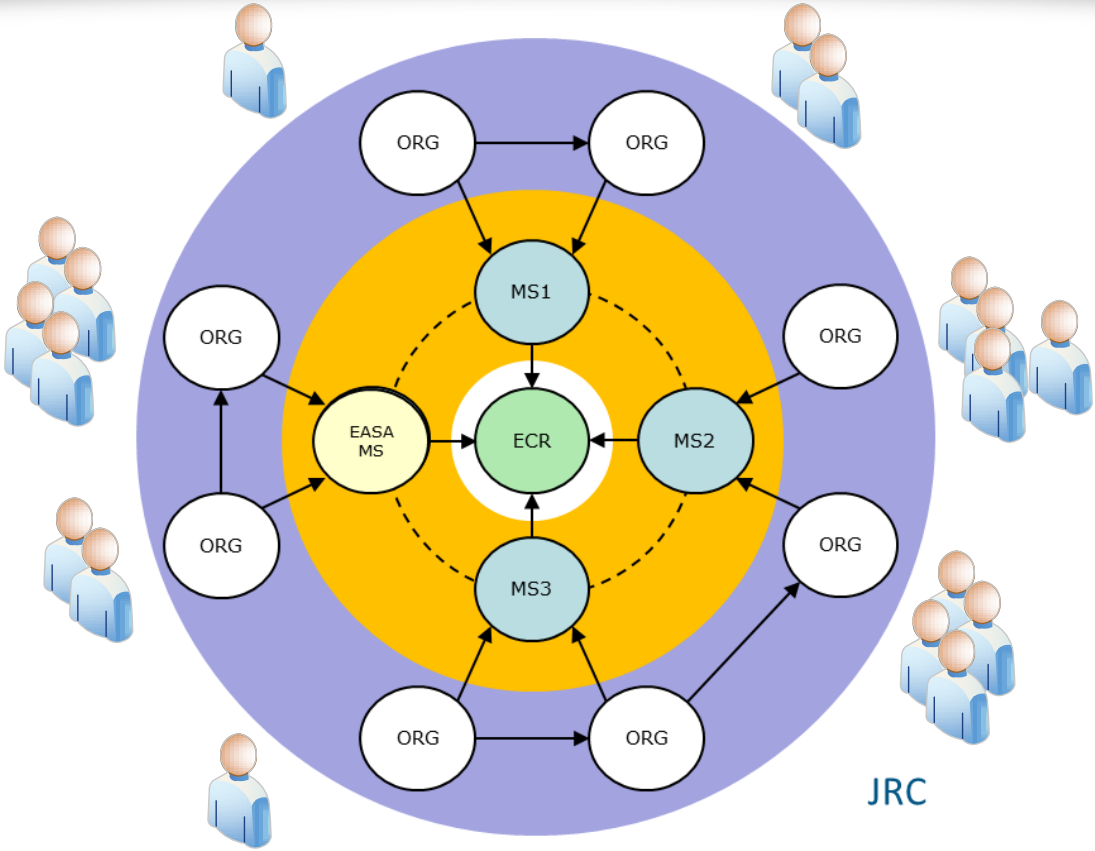
Off-Line Report

Online Report



Data Transfer File (E5X)

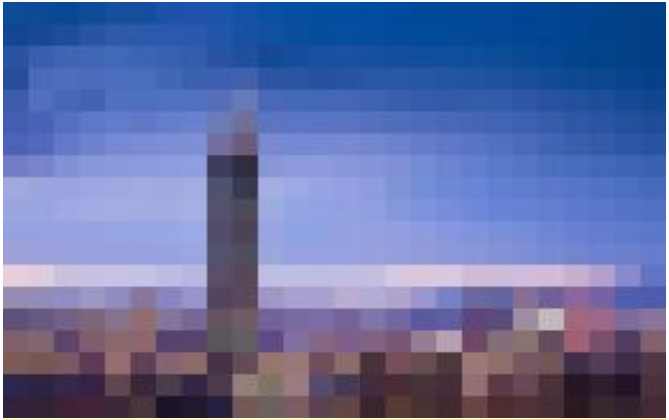
Topology

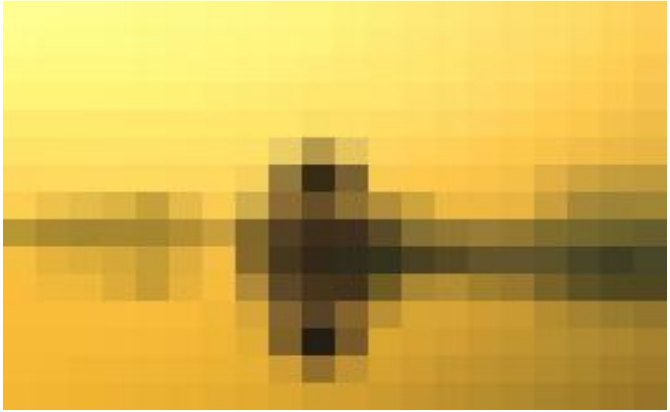


Highlights

- Occurrence reporting in the EU is considered as a key element to support the European Risk Management Process
- The EU Legal Framework provides strong legal protections to reporters and to the information conveyed in the report
- Regulation is not enough, technological measures and a huge effort in safety promotion is needed
- The active implication and collaboration of all stakeholders is the success factor to implement an efficient reporting system

Remember the ultimate goal…





… to make an informed decision on our next holidays destination!

EASA
European Aviation Safety Agency

Thank you!

Questions?

Your safety is our mission.

An agency of the European Union

Acronyms

Acronym	Definition	Acronym	Definition
EPAS	European Plan for Aviation Safety	RMP	Rulemaking Programme
SRMP	Safety Risk Management Process	CAW	Continuing Airworthiness
NoA	Network of Analysts	BA	Business Aviation
IR	Implementing Rules	LoC-I	Loss of control in flight
ECCAIRS	European Coordinated Center for Aviation Incident Reporting System	CRM	Crew Resource Management
ADREP	ICAO Accident Reporting	SIB	Safety Information Bulletin
ECR	European Central Repository	KPI	Key Performance Indicator
CAT FW	Commercial Air Transport with Fixed Wing aircraft	CAG	Collaborative Analysis Group
SSP	State Safety Programme	ILS	Instrumental Landing Sys.