

EASA safety data strategy

The CEOs Safety Conference, 15th May 2019
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Your safety is our mission.

Vision: Addressing safety proactively & systematically based on safety data & enhanced analysis capabilities

- Advanced Safety Risk Management
 - Building a European data-driven safety risk management system
- Networking and collaboration
 - Leveraging stakeholder knowledge through collaboration and sharing safety information
- ECCAIRS 2.0/Data4Safety
 - Making best use of the latest managerial and IT tools to handle several safety data sources & the complexity of the system



Safety Risk Management in support of a performance-based environment



What is the Problem?

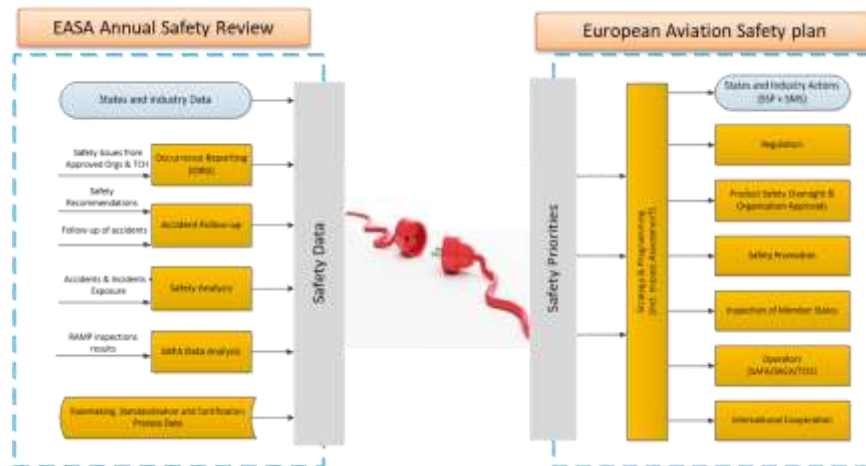


What do we do?

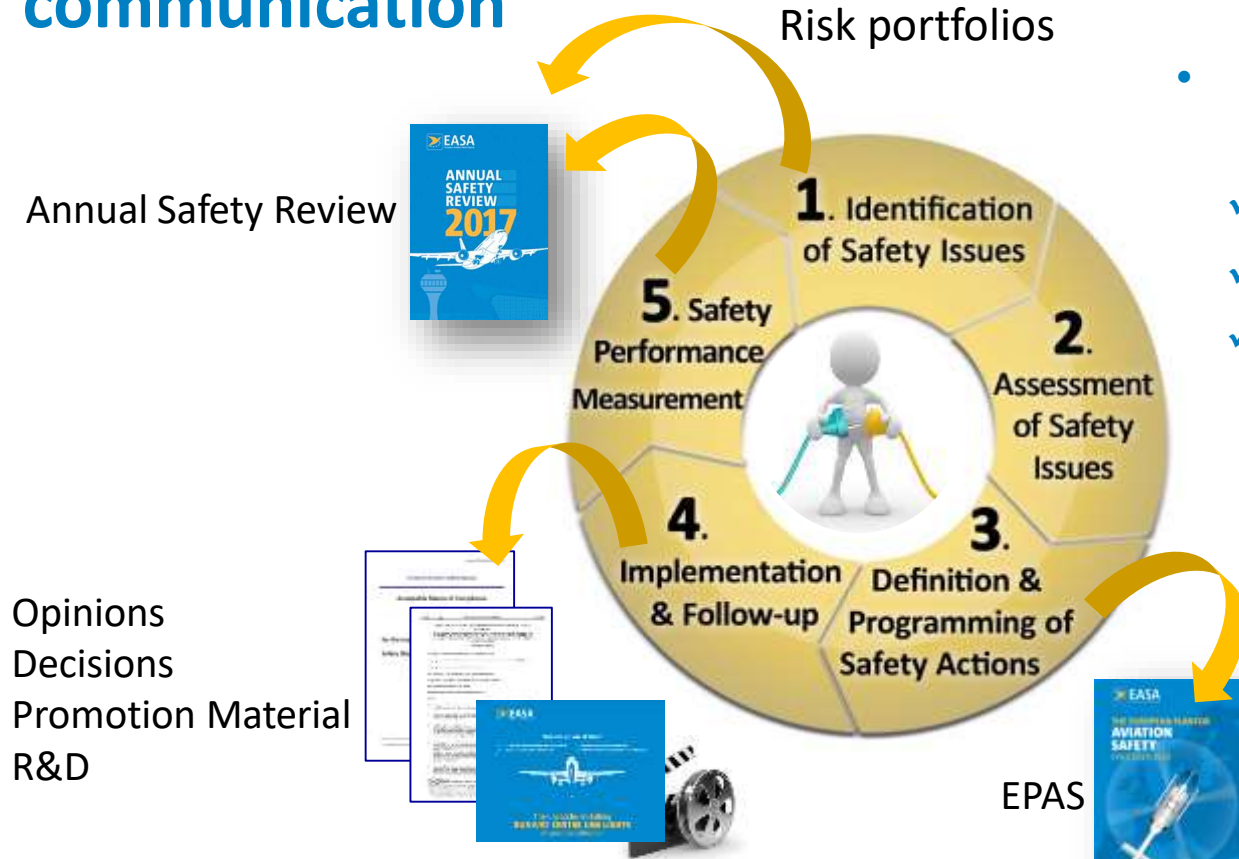


Putting safety data at the core of Risk Management - Connecting safety intelligence to actions

- Safety actions and priorities to be evidence-based
- Expert knowledge and MS/stakeholder collaboration is fundamental in building safety intelligence
- Safety information (performance, plans and actions) is published to ensure transparency and effectiveness
 - A sign of a mature SMS
 - Confidentiality and appropriate use must apply



European Safety Risk Management System and its communication



- The SRM outputs address different stakeholders:
 - ✓ EPAS ↔ Agency/States
 - ✓ ASR ↔ States/industry/public
 - ✓ Implemented actions (regulations, R&D, promotion, oversight) ↔ States/industry

The SRM cycle is supported by stakeholder groups and adds their expertise

EPAS: A multi-annual Safety Plan for the Union



Rulemaking

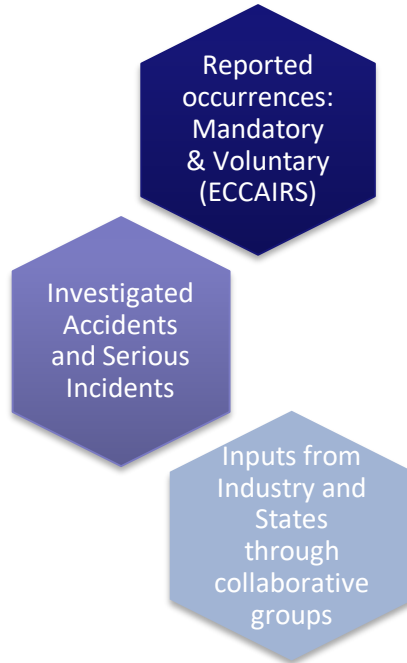
Safety Promotion

Focused Oversight

Research

ASR: Risks areas, priorities, and safety performance in one place

Information sources



Content





Sharing safety data

- Within organisations
- Between organisations
- With Authorities
- General Public

Protecting safety data and safety information



Balanced approach

Thank you



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Your safety is our mission.

An Agency of the European Union 

Back-up slides

Your safety is our mission.

Safety data: area of cooperation in EASA-EUROCONTROL joined WP

- Occurrence reporting and analysis
 - EU legal framework (Reg. 376/2014 & Reg. 2018/1139)
 - AST data supports the RP2 monitoring reports
 - ECTL supports the improvement of ECR data quality and completeness
 - ECTL participates CAGs (ATM, CAT, HF) & NoA to identify safety risks and perform the analysis in support of EPAS
- 2020 AST discontinues – transition plan needed
 - ECR the single centralised source of aviation safety occurrence related data

Occurrence reporting as a key source of information on actual and potential safety issues

- EU reporting system is set up under Regulation 376/2014
- Reporting obligation on aviation professionals, organisations, States and EASA
- Storage of anonymised data in national databases and a **European Central Repository**, a database and ECCAIRS/ADREP compatibility format to facilitate data exchange
- Controlled access, strict dissemination policy: de-identified and/or aggregated information only



The SRM cycle supported by stakeholder groups

- Collaborative groups
 - Sharing knowledge and expertise in assessing risks
 - Sharing safety data
 - Measuring performance
- Advisory Bodies
 - Member States & Stakeholders
 - Programming & implementing safety actions



Publishing of safety data: EASA obligations

- To provide for States, Agency and EC to exercise their responsibilities with regard to protection of safety levels
 - Regulation 376/2014 Art 6, Regulation 2018/1139 (BR) Art 72 and its implementing rules
- To inform the public adequate information pertaining to the level of civil aviation safety (the right to know) and ensure public confidence in aviation transport
 - Regulation 2018/1139 (BR) Art 72 (7), Regulation 376/2014 Art 13 (11) & Art 6 and 7
- To other interested parties (e.g. investigators, research, media, etc.)
 - Regulation 376/2014 Art 11



Data4Safety as a tool for integrating and analysing safety data the future SRM

OUT THERE

Expert Knowledge



Flight Data



Air Traffic data



Safety Reports (occurrences)



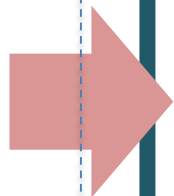
Weather, and more...



Data



Data Technologies

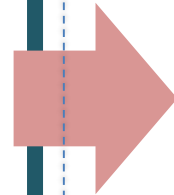


Collaborative Analysis Platform



Aviation Experts and Data Analysts

Big Data Platform



OBJECTIVES

Connect Safety Intelligence with actions



Know where to look
See it coming
Act!

OUTPUTS



Support a performance-based environment