

Safety Conference UCL 2018

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Partnership with EASA Member States



Member states

Implementing EU Legislation

Oversight of national organisations

- Production
- Maintenance
- OPs/Licencing
- Training
- ATM
- Aerodromes





Implementing rules

Oversight/Standardisation of Member States

Aircraft and products certification

Safety of non-EU operations

Approval of non-EU organisations

- Production
- Maintenance
- •Training •ATM

Scope: Regulation 216/2008, called the Basic Regulation

1. ST.



- EPAS is the European Plan for Aviation Safety
- It provides a coherent and transparent framework for safety work at regional level,
- It helps the identification of major safety risks and actions to take,
- It supports Member States to implement their State Safety Programmes (SSP) and their compliance with the ICAO Global Aviation Safety Plan (GASP),
- It has a role of sharing of best practice and knowledge.
- The plan also includes European states not under the EASA umbrella.

Note: Safety at national level is managed through

- States' Safety Programmes (SSPs) by the States and
- Safety Management Systems (SMS) by the industry



What is put in place to create the European Plan For Aviation Safety?



We need to prioritise a the large number of proposals from a wide variety of sources

and drivers like safety, efficiency, environment, level playing field



What is critical? How to solve issues? When? Which objectives?

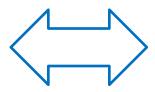


Due to the high number of actions to prioritise, we need:

Processes to indicate who does what and when

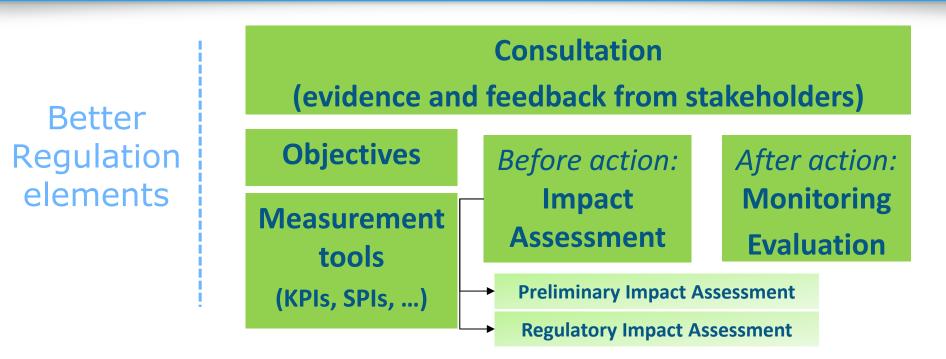


Organisational structure where each actor has a role



Principles for decision-making (i.e. EU Better Regulation principles)



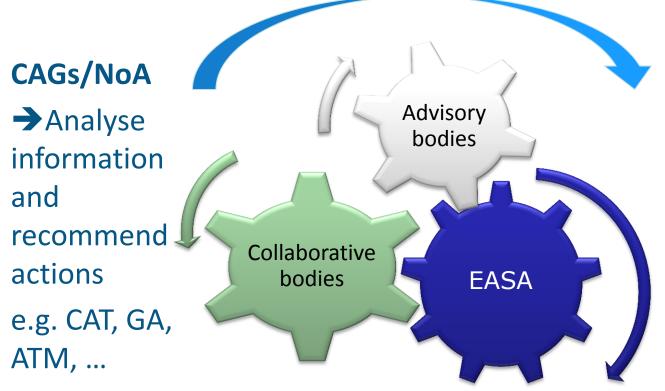


These Better Regulation elements are used to define the actions in the EPAS (European Plan for Aviation Safety) to support

a safe aviation activity, environmental friendly and cost-efficient.

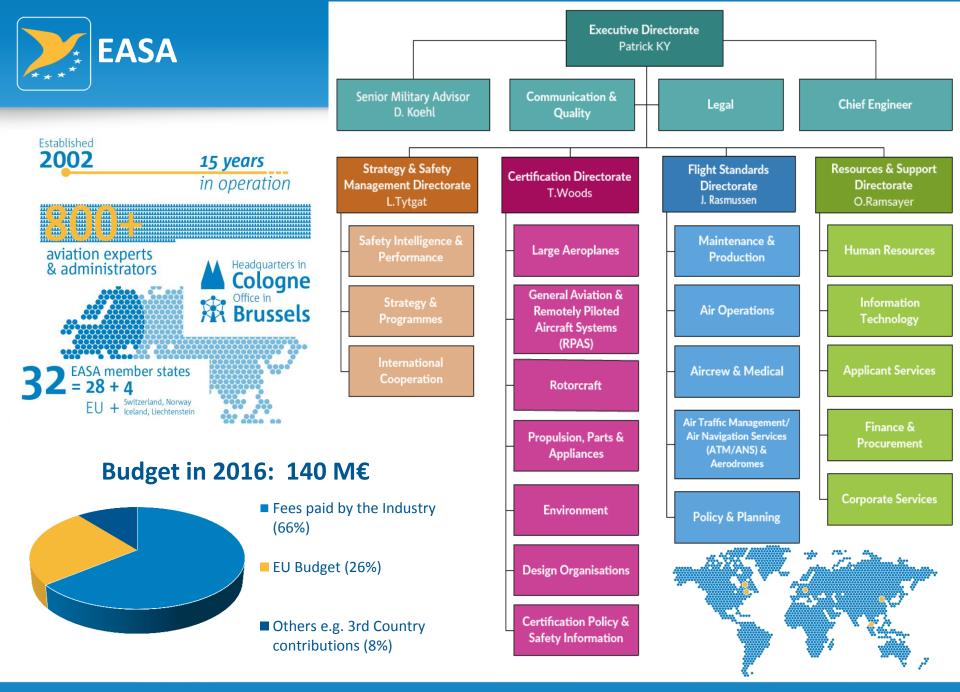


Organisational structure: the EASA "Groups"



MAB (Member States) & SAB (Industry) → Strategic advice and review TeBs/TeCs/COMs → Technical & operational advice and review

MAB: Member state Advisory Body SAB: Stakeholder AB (industry) CAG: Collaboration Aviation Group NoA: Network of Analyst (safety investigations) EASA Management Board
(EC, MS and industry)
→ Take decision





Member States Advisory Body (MAB)

Domain Technical Advisory Bodies (TeBs) Sectorial TeBs Production and Continuing Air Crew Air Operations ATM/ANS Aerodromes Safety Management General Aviation •The MAB and each of the seven TeB have approx. 33 members (EASA Member States & Commission), 12 observer States (States having working agreements with the Agency) and 4 observer institutions (Eurocontrol, Sesar Joint Undertaking, European Defence Agency, EFTA surveillance authority). Production and Control and Content and Conten and Content and Content and Content and Con

Stakeholder Advisory Body (SAB)

Technical Committees (TeCs)Sectorial Committees (COM)Design and
Manufactu
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Maintenan
ceFlight
StandardsATM/ ANSAerodrome
sCommerci
al Airplane
SafetyCertificatio
nGeneral
AviationRotorcraftDrones

•Members of the SAB and committees include European trade associations, European unions and companies as well as industry representation from the US, Canada and Brazil.

European Plan For Aviation Safety: A regional safety strategy

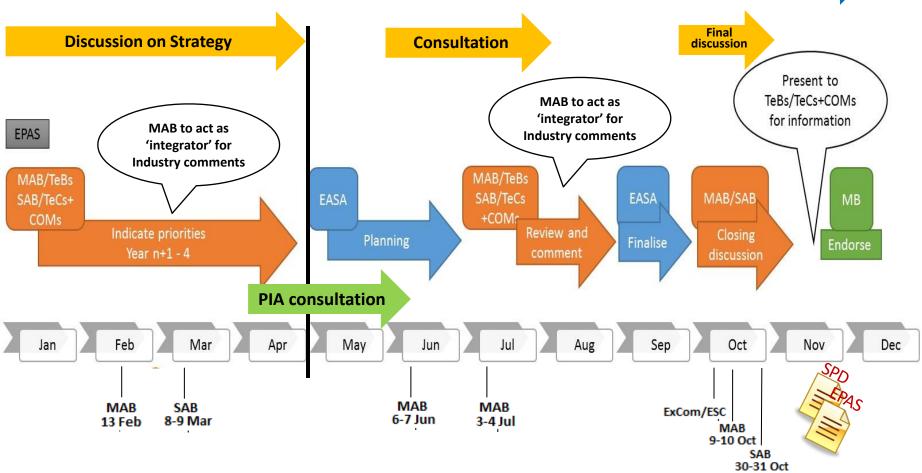
Authorities

Industry

Process – Who does what and when

Planning milestones | EPAS 2019-2023

Year 2018





How is built an EU Safety Programme?





EASP Comprehensive Safety Programme for the Region

Goals EC spells out the Strategy

EPAS EASA plan EU actions, facilitates risk mitigation and monitoring

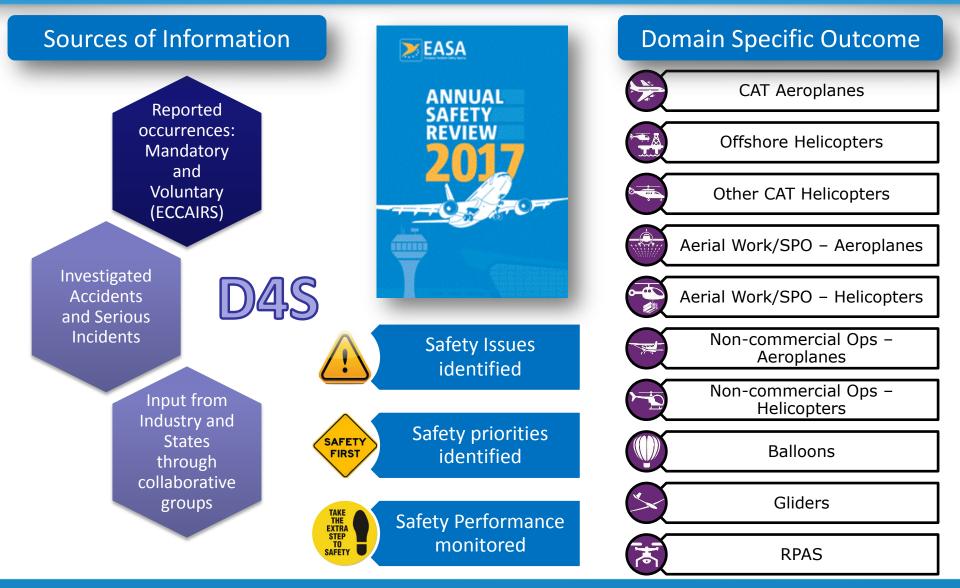


Member States develop additional national safety actions

Safety Risk Management at EU level

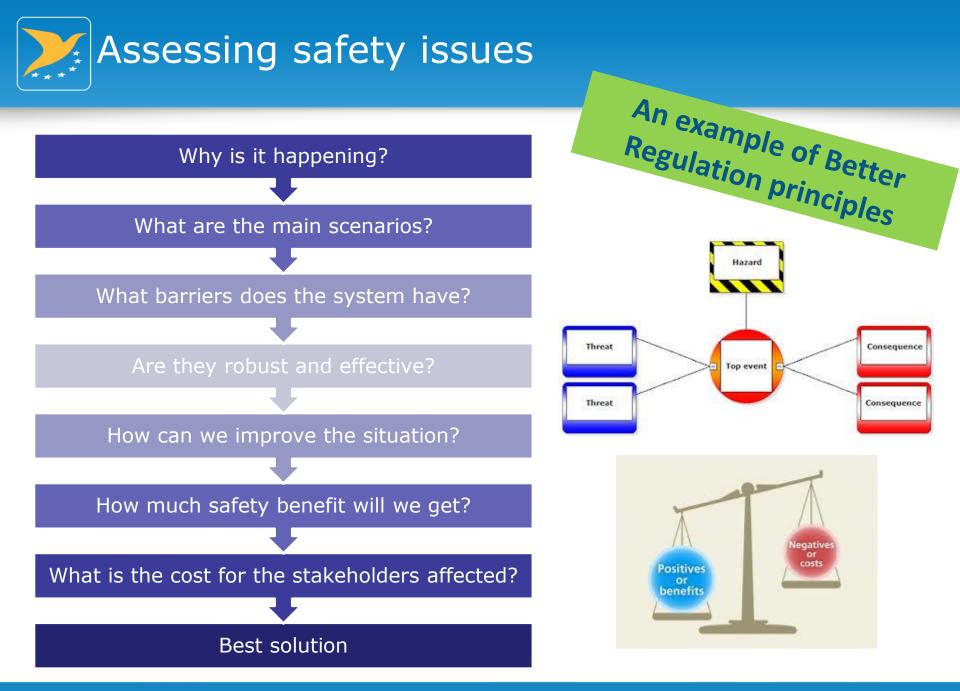


Risks Areas & Issues All In One Place



CAT Aeroplane – Safety Risk Portfolio











EU actions (EASP)

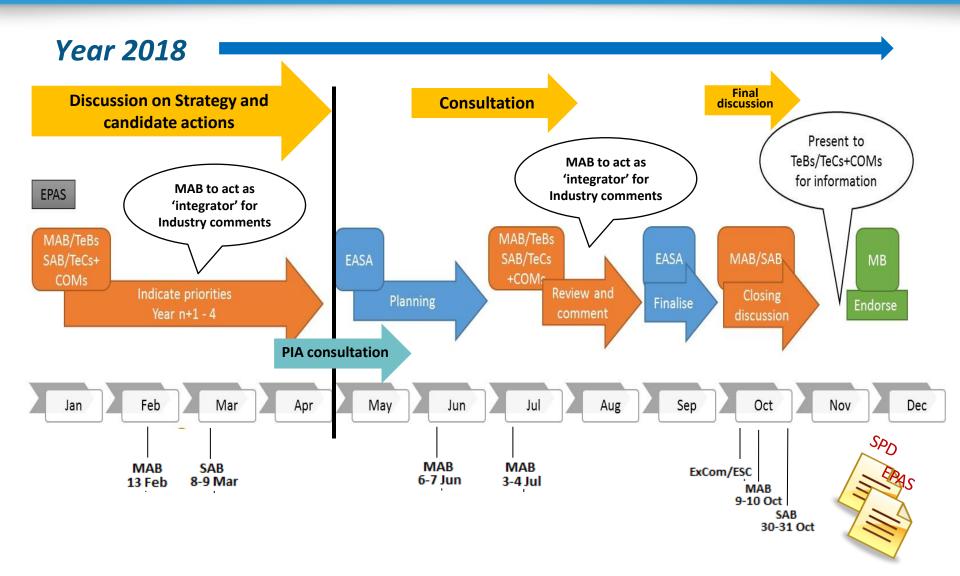
- Upset Prevention and Recovery Training
- Startle effect

Actions by Industry (SMS) •Industry Plans

Actions by States (SSP)

National Plans

Planning milestones | EPAS 2019-2023



Preliminary Impact Assessment status

2017 PIA **PIA topic** number PIA Rotorcraft PIA04 PIA01 PIA Erroneous Take-Off Parameters PIA03 PIA LOC-I PIA GA FW PIA05 Design and Manufacturing Issues PIA13 PIA Safety Maintenance Issues PIA14 PIA16 PIA Emerging issues - New products PIA ADR - Dangerous Goods PIA17 PIA Specialised Operations PIA18 PIA Other operators than airlines PIA19 PIA20 PIA MED PIA21 PIA Airlines PIA ATM - Conformity PIA22 Assessment PIA23 PIA Runway safety PIA SESAR PIA24 PIA25 PIA Safety Management PIA26 PIA Cyber-security

2018

2 PIAs with new actions:

- PIA Rotorcraft
- PIA Maintenance
- → consultation
- All other topics: minorupdates (no new actions)→ no consultation

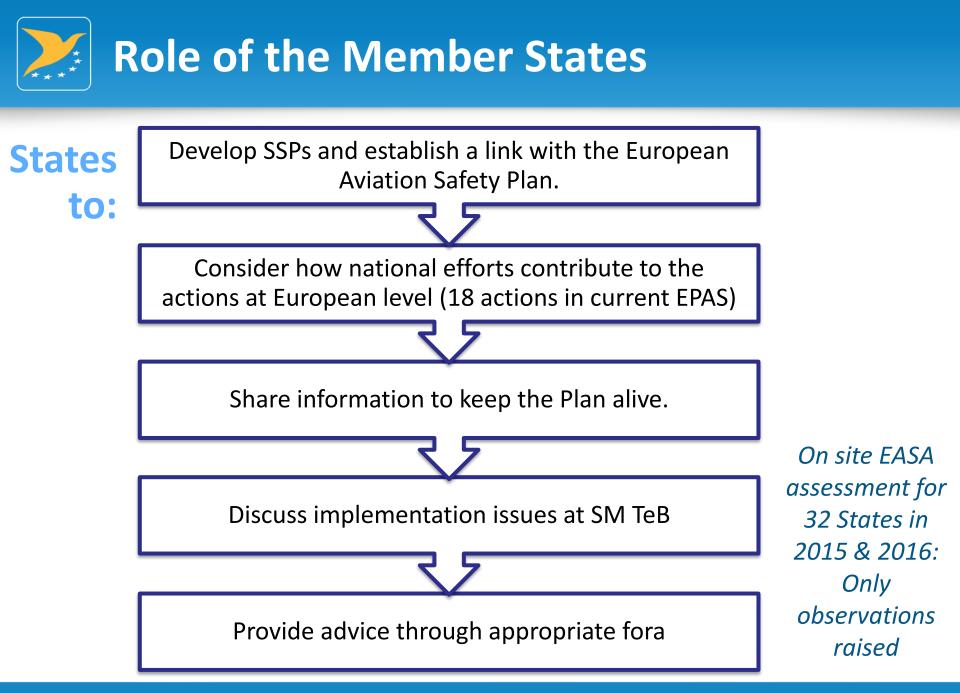


- PIAs are annual reports to address different topics by:
 - Assessing the need to address a safety, efficiency... issue
 assessment of its criticality
 - ➤ Identifying possible alternative actions (e.g. safety promotion, focused oversight, research/studies, rulemaking, member states actions and/or 'do nothing') in order to address an existing or new issue; → intervention strategies
 - ➤ Estimating the potential benefits compared to the estimated cost of the proposed actions → cost-effectiveness of the intervention strategies.

1. No new actions in EPAS without a PIA 2. Need evidences

Outcome: a Multi-Annual Plan for Aviation Safety for 44 States







- SM Teb functionalities:
 - Advising MSs with implementation/maintenance of their SSPs; exchanging information, addressing implementation issues
 - providing input / feedback on implementation of EPAS (systemic issues)
 - providing recommendations to EASA/EC on further actions to support SSP / EPAS implementation
 - addressing issues from standardisation cross-domain assessment
 - discussing / providing recommendations where action required
 - 5.2 Systemic enablers
 - 5.2.1 Safety management



EPAS State's implementation report 2017 -2021

- Provides an overview of EPAS actions' implementation by States
 - Areas of difficulties
 - Quantitative / descriptive analysis
 - Good practices (relevant examples)
- Fourth report produced since 2015
- > Participation in EPAS is **voluntary**.





- 24 EASA states (EU & EFTA)
- 3 non EASA states
 implementing EPAS



Changes with the new Basic Regulation?

New Basic Regulation – Chapter II Aviation Safety Management

- Q2 3 2018: Translation and Publication → Entry into force
- The new draft EASA BR creates a legal hook for Member States to comply with actions in EPAS.





How is this linked with ICAO?



ICAO development for EUR-NAT Region



ICAO Members supported a regional approach to safety, capacity and efficiency improvements where appropriate regional aviation safety oversight organisations (RSOOs) should have significant potential to ensure the safety



EUR/NAT: European and North Atlantic



Conclusion



Added value for Member State

- Learn about the issues and best practices from other MS
- Create a common understanding of what are the top safety priorities in the EASA Member States
- Create a common decision-making process to prioritise the safety actions
- For specific national safety issues, there is always the possibility to have Member State actions
- Make sure that the MS ressources are efficiently used







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- 1. EU Commission Aviation Strategy for Europe
- 2. <u>European Commission SMS website</u> (including EASP Edt.2)
- 3. EASA SMS website (here)
- 4. <u>Communication from EC (2011)</u>(High level goals)
- 5. <u>EASP Edition 2 (2015)</u>(European Aviation Safety Programme)
- 6. EPAS website (here) NEW !
 - EPAS 2018-2022
 - EPAS 2017-2021 implementation report amongst MS
 - EASA Safety review
- 7. Questionnaire on EPAS 2017-2021 actions implementation status (<u>here</u>)
- 8. GASP (here)
- 9. RASP (here)

For more information:

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