



# EASA

European Aviation Safety Agency

# How Safety Intelligence Builds The EPAS

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## Your safety is our mission.

An agency of the European Union 

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# Where Does EPAS Come From?

- Many people think that EPAS is dreamed up in an Ivory Tower in Cologne
- EASA decides and then industry have to deal with the consequences
- I'm here to make you feel better about the reality (hopefully)





# Safety Risk Management and EPAS



What is the Problem?



What do we do?





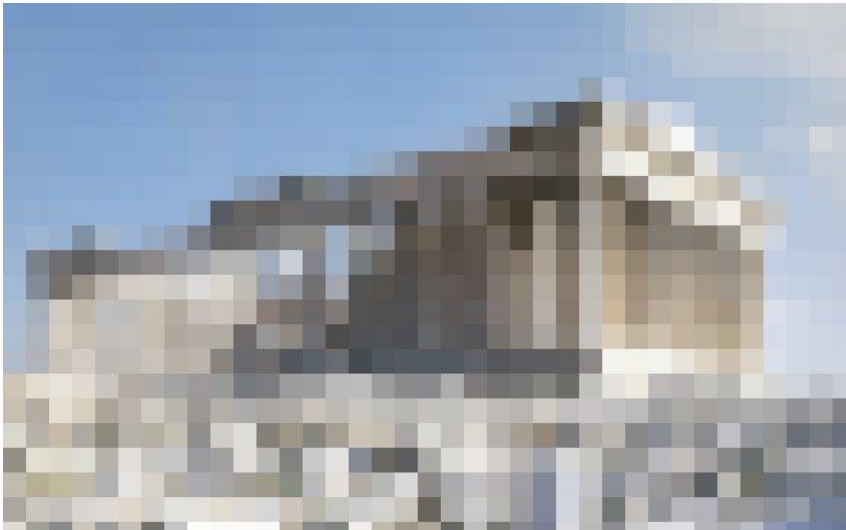
# The Safety Risk Management Process



**But of course – Where Does  
this Come From?**



# Building an Intelligence Picture



**Data Driven EPAS Decision Making**

**Collaboration Helps Answer Difficult Questions**



# Basic Collaboration

**Where can I find a picture of a Roller Skating Mermaid?**





# Some People Get Dressed Up





# Some People Get Less Dressed Up









# Dancing in the Sea – Good Times





# Where The Pictures Came From?

- Flickr and Instagram helped me find
  - 75,873 Photos
  - Taken by over 25,000 Different Photographers
  - From almost every country in the world
- Through these mediums I can build up a picture of the mermaid parade like never before

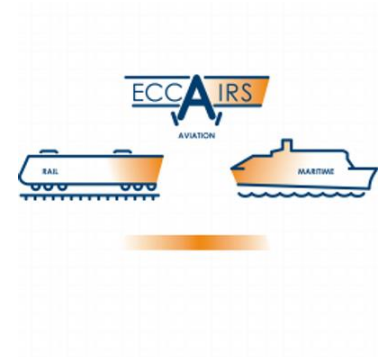
flickr





# But What Does Have to do With Aviation?

- The European Aviation System has many parallels and solutions to help
- Regulation (EU) 376/2014 provides information on over 150,000 occurrences a year
  - The challenge is to get the best information we can
  - This is where your reports come in
  - The more you tell us the better the intelligence picture
- In the SMS of organisations we have at least 1 Million reports a year





# Objectives of the European SRMP

- Prioritising safety actions which are most efficient in reducing risk levels
- Ensuring adequate internal and external coordination on the identification and assessment of safety issues and the programming of safety actions
- Providing transparency for the wider European Aviation Community on why the Agency has taken certain actions



# Collaborative Analysis Activities

## Human Factors CAG



### CAT Aeroplane

- CAT Aeroplanes
- ATM/ANS
- Aerodromes and Ground Handling



### Rotorcraft

- Offshore Helicopters
- Helicopter Analysis Team



### General Aviation

- Balloons
- GA Aeroplanes
- Gliders (European Gliding Union)

Task Based Analysis Across Groups



# Analysis Decision Making



- We identify the important Safety Issues
- Understand which have risks that are not already mitigated
- These drive the analysis plan
- Which lead to action proposals



# Strategic Advice - Advisory Bodies

## Member States Advisory Body (MAB)

### Domain Technical Advisory Bodies (TeBs)

### Sectorial TeBs

Prod and  
CAW

Air Crew

Air  
Operations

ATM/ANS

Aerodromes

SMS

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).

## Stakeholder Advisory Body (SAB)

### Technical Committees (TeCs)

### Sectorial Committees (COM)

Design  
and  
Manu

Eng and  
Maint

Flight  
Stands

ATM/  
ANS

ADRM

CAT Flt  
Ops

Cert

General  
Aviation

R/Craft

Drones

- 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.



# Action Decision Making



- The actions are then consulted with the Advisory Bodies
  - Member States
  - Industry
- The result is the EPAS
- This is where the strategic actions can be found



# EPAS – Inputs and Actions



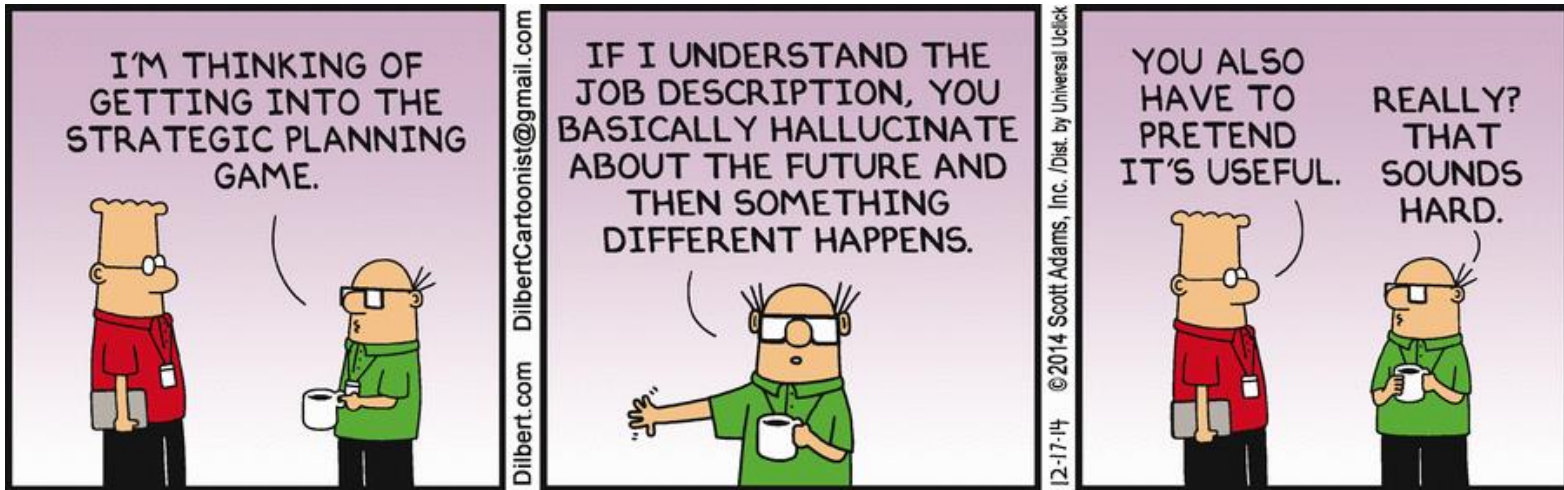


# Safety and the EPAS – A Summary

- **Prioritising** safety actions which are most efficient in **reducing risk levels**
- Ensuring **adequate coordination** on the **identification and assessment** of safety issues and the **programming of safety actions**
- **Providing transparency** for the wider European Aviation Community on why the Agency has taken certain actions
- Supporting a more **coordinated approach** to the development of strategic **safety priorities**



# Hopefully You Feel Reassured Now



- It's not like this cartoon – so don't forget to engage with the EPAS process
- And provide the best information you can in your occurrence reports



**EASA**  
European Aviation Safety Agency

**Questions?**

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