

CONTEMPORARY HF ISSUES IN AUSTRALIAN AVIATION



Australian Government
Civil Aviation Safety Authority

www.casa.gov.au

PACDEFF 2017

safe skies for all

Presentation Content

- Introduction
- The 800lb Gorilla & Updates
- Aftermath of Germanwings 9525
- Pilot Support Program – basic outline
- CASA's Approach:
 - PSP
 - Assessing HF & NTS Training Programs

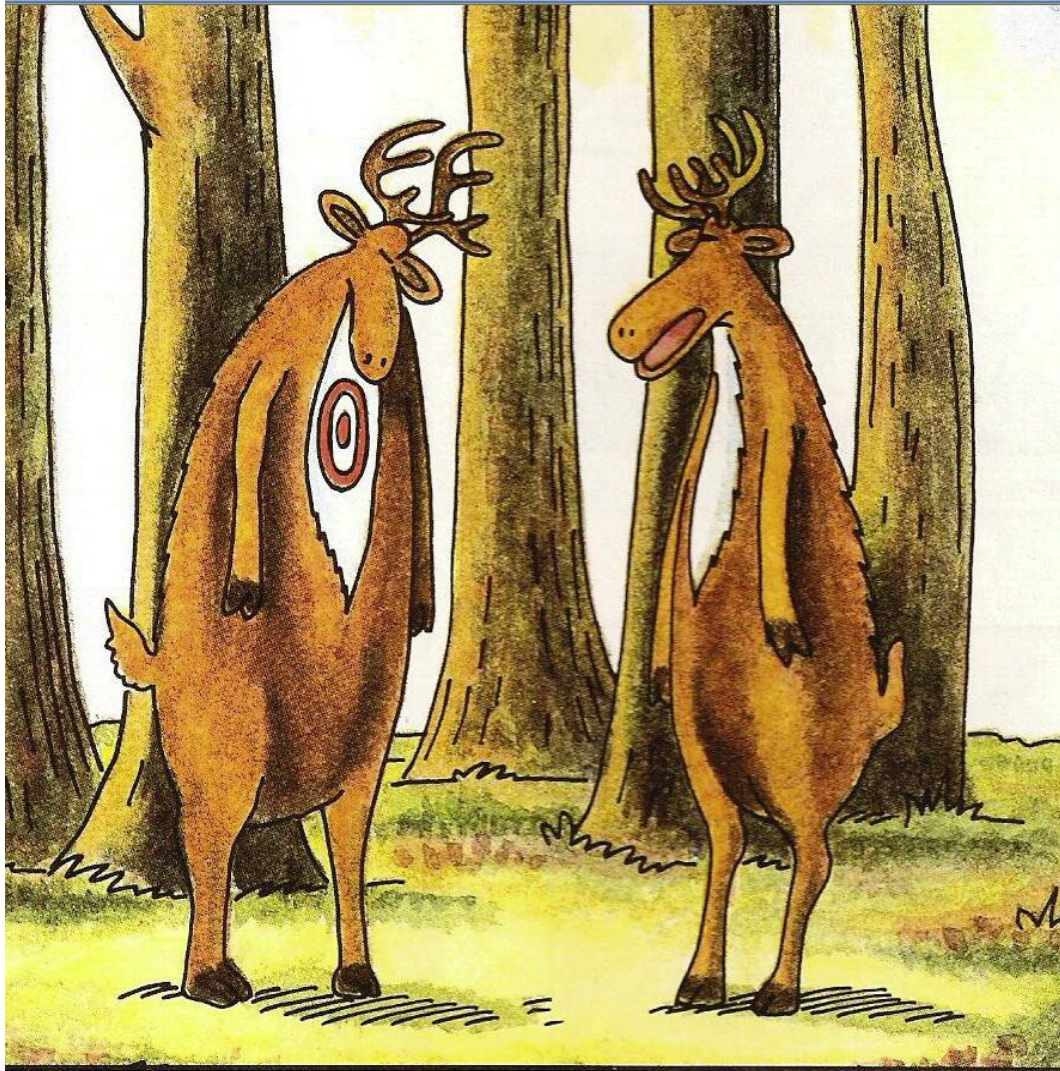
Brief Intro...

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Brief Intro...



“Bummer of a birthmark, Hal.”



Fatigue Update as of 4th August 2017

- 2013 – New fatigue rules introduced
- CAO 48.1 Instrument 2013
- 2017 – CASA Board directed an independent review of CAO 48.1 due feedback from Industry
- Implementation period extended by 6 months
- Draft Ops manual changes or FRMS applications to CASA by **30th April 2018**
- Transition completed by **31st October 2018**

Aftermath of Germanwings 9525

- EASA convened a Task Force
- Task Force Report published in July 2016
- Recommendation 6 stated:

“The Task Force recommends the implementation of pilot support and reporting systems, linked to the employer SMS within the framework of a non-punitive work environment and without compromising Just Culture principles.”

Aftermath of Germanwings 9525

- EASA Opinion No. 14/2016 proposes:

The operator shall enable, facilitate and ensure access to a support programme that will assist and support flight crew members in recognising, coping with, and overcoming any problem which might negatively affect their ability to safely exercise the privileges of their licence. Such access shall be made available to all flight crew members.

Aftermath of Germanwings 9525

- January 2017 - UK CAA released Information Notice IN-2017/005
- Outlines a framework for a PSP which should form part of an operator's SMS
- Provides guidance to assist operators to have a PSP in place by approx. August 2018

<http://publicapps.caa.co.uk/modalapplication.aspx?appid=11&mode=detail&id=7734>

PSP Framework

- UK CAA proposes the following elements:
 - Education on mental health in the aviation workplace
 - Pilot – Peer Assistance Network (P-PAN)
 - Training
 - Wellbeing and health promotion
 - Critical incident support
 - Mitigation of risk of loss of licence
 - Evaluation and feedback

CASA's Approach...

- Review of Safety Behaviours – HF for Pilots Resource Kit – currently underway



CASA's Approach...

- Safety Behaviours – HF for Pilots Resource Kit – does not adequately address:
 - Rotary Operations
 - Charter Operations
 - Fatigue
- Plan is to also add information and guidance for operators regarding a PSP
- Currently no plan to change current SMS legislation

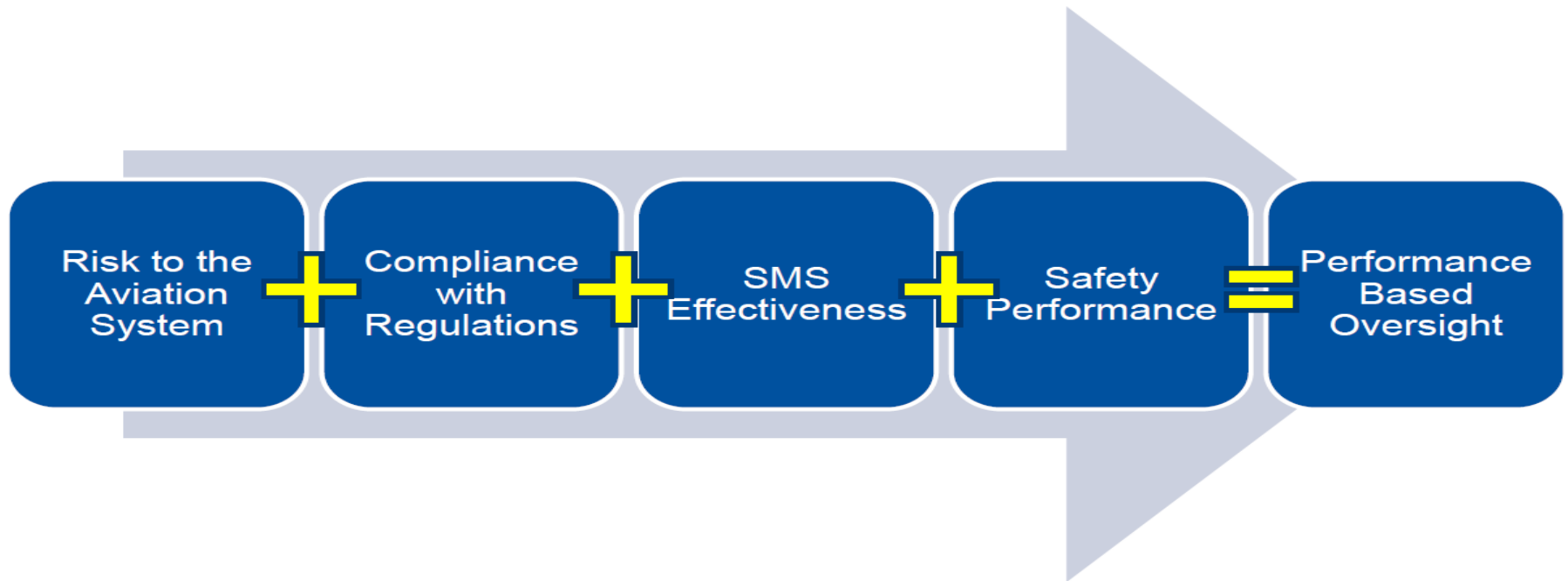
Key PSP Implementation Points

- Requires management commitment
- Education – either internal or external
- Early recognition of issues
- Training peers for the P-PAN
- Confidentiality
- Trust!

Assessing HF & NTS Training Programs

- Compliance with prescriptive rules has helped make the aviation system the safe system it is today
- To make it safer the regulator needs to focus on system performance and effectiveness
- We need to include both compliance and performance and focus on outcomes

Performance Based Oversight



Performance Based Oversight

- Looking for both compliance and performance markers by introducing the PSOE approach
- PSOE = Present, Suitable, Operating, Effective
- Entry Control – Present & Suitable
- On-Going Surveillance – Operating & Effective

The PSOE Approach

Are the Compliance and Performance markers:

- **Present** – evidence the marker is clearly visible and documented
- **Suitable** – the marker is suitable for the size, nature and complexity of the operator
- **Operating** – evidence the marker is in use and an output being produced
- **Effective** – evidence that the program is effectively achieving the desired outcome

CASA's Approach...

- Development of the HF & NTS Evaluation Tool based on the PSOE approach
- Follows on from the CASA SMS Evaluation Tool
- Need to move from just compliance to looking at performance
- Highlighting the importance of judgement as well as technical skill-sets

Review

- Fatigue – brief update – don't shoot the messenger
- Moving on from Germanwings 9525...
- CASA's Approach:
 - Pilot Support Program
 - HF & NTS Assessment
- Introduction to PSOE

Any questions...

