



# Fatigue Management as part of Safety Management

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# CAVEAT

The information in these presentations represents the CAA's interpretation of legislation. It may be found in the future that EASA has a different interpretation and so the CAA's position may change following discussion and agreement with the Agency and the other National Aviation Authorities.

# What is an SMS?

- It's a management decision making tool
- Identifies safety issues (hazards)
- Assesses the risks
- Takes action to minimise the risk
- Assigns ownership of actions and the risk
- Checks that the actions taken are working as expected
- It's not a document ... it's what you do!

# **So what has this got to do with managing fatigue?**

**Fatigue is a safety issue and needs to be assessed and managed**

# Prescriptive Rules are not a Complete Solution



- Aviation is diverse
- Regulations alone do not ensure safety
- Differing operating models
- Individual responsibilities
- Lifestyles

# EASA Position

“All EU Operators will soon be required to have a Safety Management Systems (SMS). Under an SMS, managing all risks means also managing the risk of crews being fatigued”

# An Integrated Management System



# Considerations for Fatigue Management



- Operational capabilities evolved
- 24 hr Operations
- Regularity, Predictability, Time Zones
- Duty Transitions
- Human physiology
- One size doesn't fit all



# Key Areas (1)



## Safety Culture

- Open reporting system
- If it's not reported it won't get fixed
- Buy-in top to bottom
- Trust
- Individual responsibility

# The Most Important Element



People create safety

# Key Areas (2)

## Safety Promotion

- Training and education of **all staff and managers**
- Clear fatigue reporting process
- Feedback
- Simple Surveys
- Ongoing communication

# Key Areas (3)

## Metrics and Data

- Operator identified
- Relevant and robust
- The why as well as the what
- Relevant importance of the risk
- Mitigation development
- Continuous Review Process

# Key Areas (4)

## Gathering Information

- Identification of Trends
- Block and duty hour analysis
- Roster Stability
- **Subject matter expert**
- Specific **review group**
- External Information

# Ongoing development of fatigue management

- Fatigue should be considered as part of your SMS.
- Fatigue reporting should be encouraged.
- Fatigue should be considered in any event investigation.
- The responsibility for the management of fatigue sits with the organisation and the individual.
- Fatigue Risk Management Systems gives you greater control and flexibility.

# Thank You

# QUESTIONS