



Dr Michelle Millar, Capt. Jim Mangie, Capt. Don Wykoff

Stakeholder Needs and Challenges



Who's involved?



The Regulator



→ Role



- Provide a regulatory framework for the adequate management of fatigue related risks
- Ensure that the operator is managing their fatigue related risks to an acceptable level of safety
- Recognize that an FRMS needs to be unique to each operator

The Operator



→ Role



- Own and manage their fatigue related risk to an acceptable level of safety
- Within the regulatory framework provided, identify the most appropriate means of managing their fatigue-related risk
- Provide the operational environment to allow a pilot to manage their fatigue-related risk on any given day or time

The Pilot



→ Role



- Use the resources provided to assure he/she is adequately rested to perform his/her duties safely
- Recognize when they are unable to perform their duties safely and if so remove themselves from the operation



The Regulator

Regulator Needs



- A platform of robust prescriptive flight and duty limitation regulations.
- Time and resources to develop sufficient knowledge related to fatigue management processes.
- Access to scientists.
- Experience in oversight of performance-based regulations.
- Clear approval and oversight processes.



Challenges for the Regulator

- Providing a regulatory environment that supports effective safety reporting.
- Performance-based regulations require different regulatory skill sets.
- Assessing the balance – flexibility with tolerable risk.
- Provision of consistent and comprehensive guidance to operators.
- Consistency in regulatory decisions.



The Operator

Operator Needs



- Operate competitively within the global aviation environment
- A level playing field amongst global carriers
- Operational flexibility to react quickly to unforeseen circumstances
- Data-driven and/or results-oriented resource allocation
- Free-flow of information from pilots

Challenges for the Operator



➤ Limited Resources

- Data collection
- Undertaking scientific research
- Effective application of available information
- In-house expertise

➤ Regulatory demands

Challenges for the Operator cont'd



➤ Information Sharing

- Protection of data
 - Company
 - Individual
- Competitive or proprietary issues
- Data collection, analysis and interpretation of findings across studies
- Responding to scientists' needs



The Pilot

Pilots' Needs



- Information, schedules and resources for allowance to responsibly prepare for, and execute duties
- Effective safety reporting culture
- High standards of professional behaviour

Challenges for Pilots



- ➔ Focusing on safety needs vs. industrial desires
- ➔ Focusing on safety needs vs. personal preference
- ➔ Group acceptance of scientific principles and their application
- ➔ Confidence in the operator's reporting system

Fitness For Duty



✈ Essential Elements

- Opportunity for rest
- Use of rest opportunity
- What do we do when it doesn't work as planned

✈ Responsibilities

- Pilot's role
- Operator's role

Safety vs. Labor Relations



→ Deal breakers:

- Pilots- Interrupt data collection and/or halt participation for industrial reasons
- Operators- Use voluntary information for punitive reasons or other than intended purposes
- Regulators- Fail to set rules to protect data

How to Avoid the Deal Breakers



- Collaborative relationship
 - Pilots
 - Operator
 - Regulator
- Mutual respect
- Commitment to meet stakeholder responsibilities

