



EASA

European Aviation Safety Agency

European FRM Framework

1st Workshop on the Approval and Oversight
of Fatigue Risk Management (FRM)
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Your safety is our mission.

An agency of the European Union 

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Purpose of FRM

**Where?
Why?**

**What?
How?**



FRM

Policy

Scientific principles and knowledge
Promotion Documentation

Hazard
identification
Risk
assessment

Risk mitigation
Safety assurance



**Compliance
check**

**Performance
verification**

	Compliance check “Is your system in accordance with the rule?”	Performance verification “Show me how you do it?”
Policy	✓	
Documentation	✓	
Scientific principles	✓	✓
Hazard identification		
Predictive	✓	✓
Proactive	✓	✓
Reactive	✓	✓
Risk assessment	✓	✓
Risk mitigation	✓	✓
Safety assurance	✓	✓
Promotion	✓	



Performance indicators

Data-driven

**Hazard
identification
Risk
assessment**

**Risk mitigation
Safety assurance**

**Crew
performance**

**Reporting
behaviour**



Data sources



Self-reporting of fatigue risks

Surveys

Scientific studies

Roster metrics

Fatigue reports

Audits

Incidents



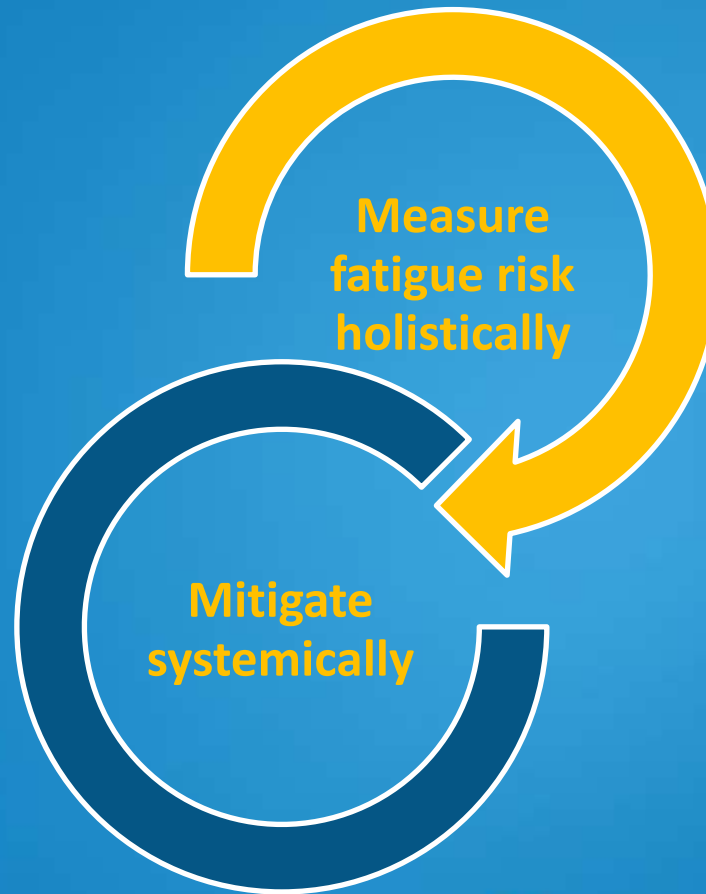
Just culture





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Summary



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