The Risk Observatory

Strengthening the ability to monitor safety performance

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Introducing the Risk Observatory

Prototype Risk Observatory

Structuring of safety data

Feed into integrated risk assessment framework

Acquire safety information

Exposure data

Radar data

FDM data

Occurrence data

Exposure data

FDM data

Occurrence data

Exposure data

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User:
Analyst
Manager

Domain:
Operator
ANSP
Manufacturer
Airport
Authority

Acquire safety information

Prototype Risk Observatory
The elements of a Risk Observatory

It is software for end-users
P4 will deliver a prototype Risk Observatory (RO)

It is supporting software and hardware
P4 will specify software and hardware needs

It is an organisation
P4 will deliver a RO organisation business model
Why we want a Risk Observatory

Source: EASA Preliminary Safety Review – 2017
Compare safety performance

“What is normal performance?”

What the stakeholders want

How P4 delivers it
Facilitate joint actions

“Build momentum behind actions that will make a difference”

What the stakeholders want

How P4 delivers it
Focus on the highest risk

“We would like to prioritise hazards”

How P4 delivers it

What the stakeholders want
Tackle concerns at interfaces

“Ensure the interfaces are working together effectively”

What the stakeholders want

How P4 delivers it
How a RO helps to achieve the safety goal

• Raise the bar
• Best use of resources
• Learn from your peers
• Tackle big concerns together
FUTURE SKY SAFETY

Consortium

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Office national d’études et de recherches aérospatiales
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