

Enabling European Higher Airspace Operations

(An EASA Perspective)

Your safety is our mission.

EASA Mission

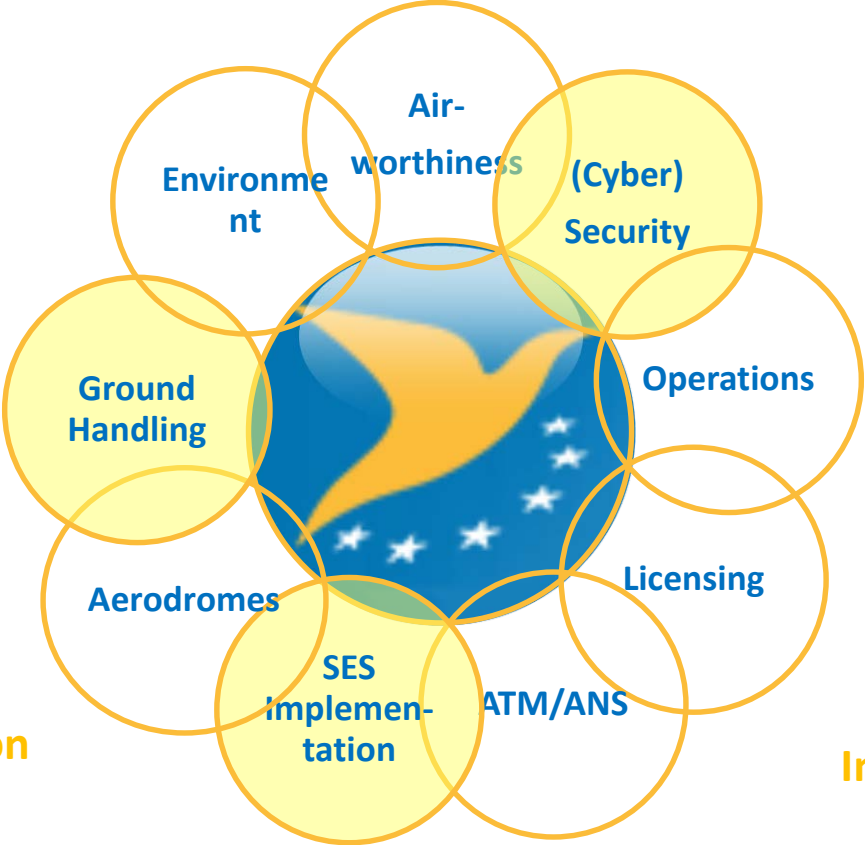
- Ensure the highest common level of safety protection for EU citizens
- Ensure the highest common level of environmental protection
- Single regulatory and certification process among Member States
- Facilitate the internal aviation single market & create a level playing field
- Work with other international aviation organisations & regulators

Scope of Competences

Aviation
Safety

Aviation
Security

Drones



Digital transformation

Interoperability

Closing Gaps and Inconsistencies



Interdependencies with security and environmental legislation (Cyber security, Chemical legislation (REACH))

Proportionate safety standards for ground handling

European requirements for certification of aircraft noise and emissions – outside of Annex 16 scope

An operation – centric framework for unmanned aircraft.

The Basic Regulation

Commission 2015 Aviation Strategy for Europe

**A comprehensive,
flexible system,
better adapted to
new challenges**



- Making better use of our limited resources
- **A flexible and performance based system**
- Closing gaps and inconsistencies
- Better governance for EASA

Flexible and Performance Based System



Risk based elements reinforced

Promoting proportionate, performance based rules

Additional flexibility for regulating GA

Safety plan for Europe and national safety plans

Opt-in for aircraft manufacturers

Opt-in for 'state aircraft'

Opt-out for micro-lights

Performance-Based Regulations

Objectives

maintain /
increase safety

allow /
encourage
innovation

increase
rules' 'shelf-
life'

drive
efficiency

Means

reward good
performance

allow
equivalent
means of
compliance

make rules
'technology-
neutral'

evaluate
efficiency

Effects

flexibility

better
allocation of
resources

efficiency



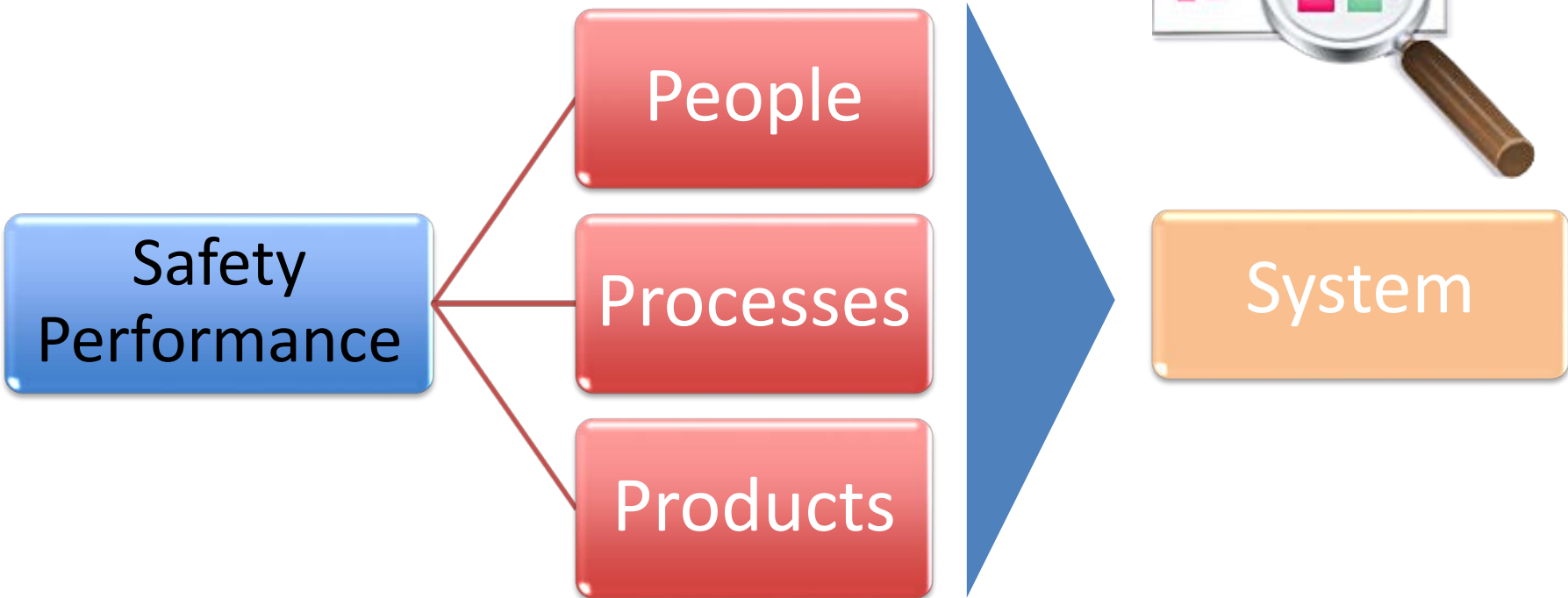
Prescriptive vs Performance-Based

the Regulatory Spectrum

Prescriptive	Performance-based
obsolescence	resilience
Focus on input/means	Focus on output/outcome
More demanding in finding the right prescription	More demanding for oversight & enforcement
Homogeneity of regulated entities	Heterogeneity of regulated entities
Common cause risks	Multiple, random risk causes
Focus on compliance	Focus on performance
Audits - inspections	Assessments - insight



What are we Measuring?



How are we Measuring?

Multiple ways for measuring performance:

Qualitative
assessment

e.g. (S)MS
assessment

Actual
measurement

e.g. emission
rates

Prediction

e.g. acceptable
failure rates

What gets measured,
gets managed!

[Peter Drucker](#)

What gets measured,
gets manipulated!

[Sydney Dekker](#)

What are the Risks

→ Persons on Board



Mass Transport



General Aviation

Unmanned

→ Persons on Ground

→ Population Density

→ North America: 14.83 Persons/KM²

→ Europe: 33.57 P/KM²

→ Western Europe: 179.45 P/KM²

(Source World Population Review)



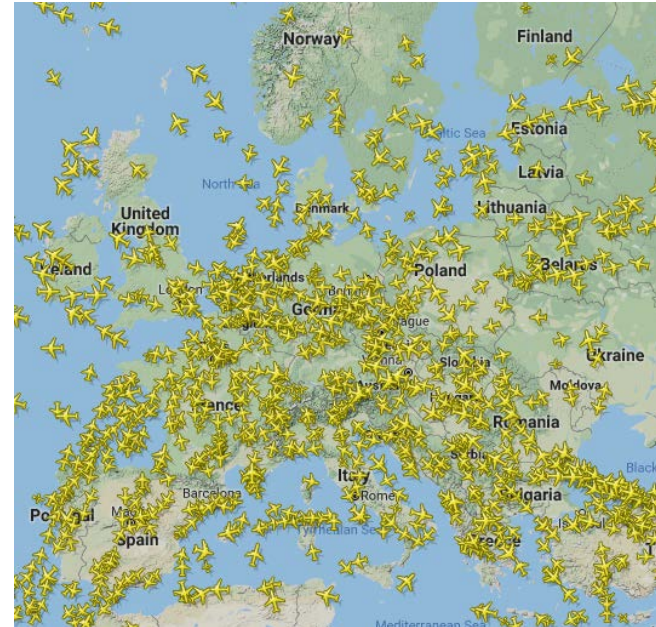
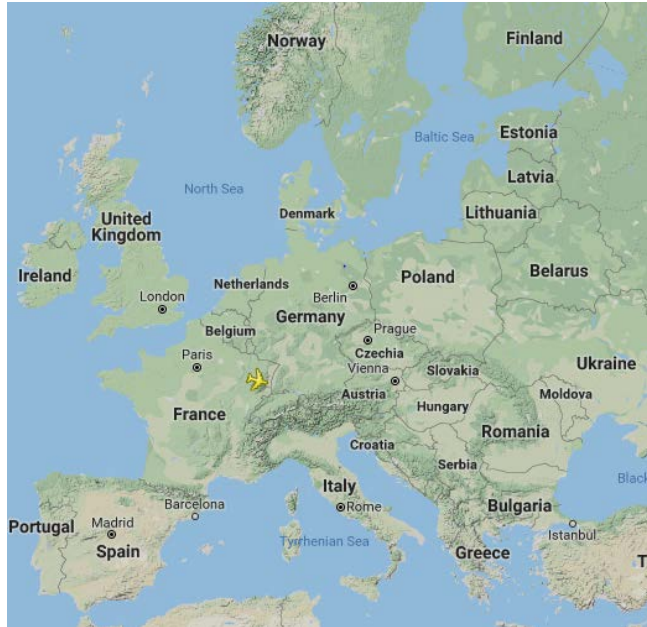
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What are the Risks

Frequency of Operations



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A Truly European Aviation System



Ready for new industry challenges

Digitalisation

Security

New International
Partners

Drones

Environment

With a powerful international dimension

Your safety is our mission.

easa.europa.eu/connect

