STRATEGY FOR AI SURVEY 2024.

UK Civil Aviation Authority

327 RESPONSES from stakeholders interested in the regulation of AI in aviation across **33 COUNTRIES.**

While the survey responses indicate that the proposed principles are seen as supportive of innovation, there is still some uncertainty about their real-world impact.

This feedback highlights the need for us to improve communication and collaboration to ensure a better understanding and effective implementation of these principles.

Respondents' AI Applications in Aviation.

Aircraft Applications.
> Aerial Imagery
> Airline Operations Management
> Aircraft Type Certification.

Infrastructure Applications.
> Aircraft Turnaround Processes
> Ground Handling Operations
> Resource Management.

Airspace Applications.
> Air Traffic Control (ATC) automation
> Unmanned Aerial Vehicle automation
> Drone Detection.

Respondents interested in AI are involved in (%).

> Business/Corporate (39%)
> Industry/Service (18%)
> Other (13%)
> Start up/Scale up (8%)
> Academia (5%)
> Local/National Government (4%)
> Non-profit (2%)
> Regulator (1%).

4   2   8   13   39   5   18   1
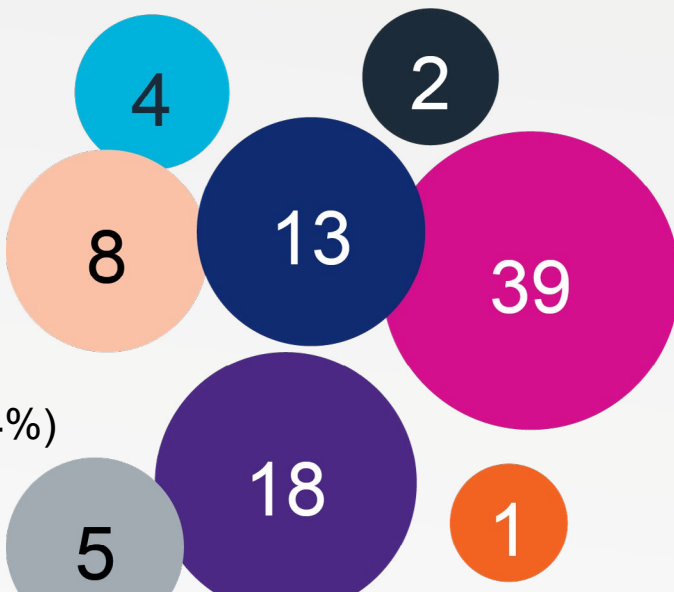
Positives about our approach.

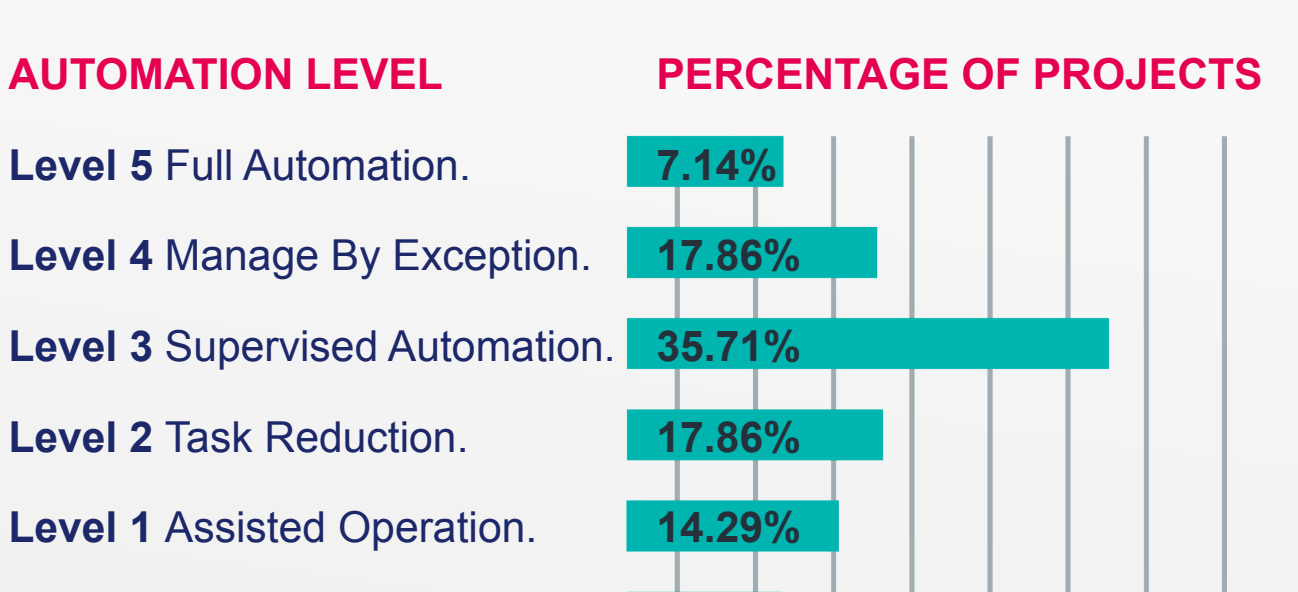"The straightforward approach provides a consistent basis for AI terminology".

"It ensures logical and sensible regulation, preventing confusion".

"The open approach aligns with commonly accepted definitions".

Sector Wide Automation Level in R&D (February 2024).

| AUTOMATION LEVEL	PERCENTAGE OF PROJECTS
Level 5 Full Automation.	7.14%
Level 4 Manage By Exception.	17.86%
Level 3 Supervised Automation.	35.71%
Level 2 Task Reduction.	17.86%
Level 1 Assisted Operation.	14.29%
Level 0 Manual Operation.	7.14%

Risks and Challenges.

"Keeping the focus on AI aiding the operator not hindering them".

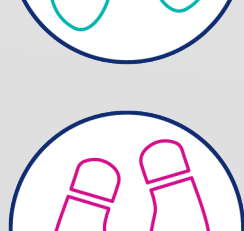"Working with government to comply with non aviation specific requirements and regulations".
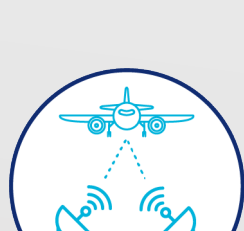
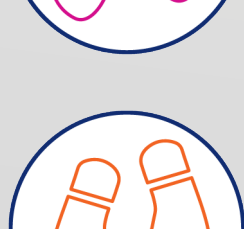"Maintaining separation between Artificial Intelligence and Automation".

Next Steps.

(Summer 2024) Publish our 1st Strategy for AI.
> Part A-Regulating AI
> Part B-Using AI.

(Autumn 2024) Engage with sector groups.
> Industry
> Consumers
> Academia.

(2025) Develop our AI Capability.
> Regulation and use of AI
> Regulatory gap analyses
> Skills and capacity development.