



Aircrew Cognitive Training

A VISION STATEMENT FOR 121 AIRCREW PROFESSIONALS

Every era of aviation has drawn its safety margin from a different place. Ours draws it from the mind. As checklists shorten and automation absorbs more of the manual workload, the deciding factor in whether an operation stays safe is no longer just what our people can do with their hands — it is how well they can focus, decide, and cooperate under pressure. This statement sets out why Aircrew Cognitive Training exists, and what it is built to protect.

Our Vision

An operation where every technician and pilot is trained not only to follow procedure, but to think — where focus, judgment, and cooperation are engineered into the culture with the same rigor as any technical skill, so that human cognition is the strongest safety system in the operation.

Our Mission

The mission of Aircrew Cognitive Training is to build, sustain, and continuously sharpen every 121 aircrew professional's capacity for focus, direction, and cognitive cooperation — the mental disciplines that determine whether a well-trained team performs like one on the day it matters most. This is not a supplement to technical training. It is the layer that makes technical training reliable under real-world pressure.

The Four Pillars

- **Focus** — the discipline of directing attention at what matters most, and holding it there as workload, fatigue, and distraction increase.
- **Direction** — turning attention into clear action: a stated plan, a complete briefing, a documented decision that leaves no ambiguity about what happens next.
- **Cognitive Cooperation** — the structured practice of checking, questioning, and correcting one another in real time, so no single mind ever carries a critical decision alone.



- Leadership — a habit practiced at every seat and every station, not a function of rank or title, because the margin we all operate within is only as strong as its least confident voice.

Why This Matters Now

Aviation training is already moving this direction. EASA and ICAO's Evidence-Based Training and Competency-Based Training and Assessment frameworks have shifted evaluation away from maneuver checklists and toward core competencies — workload management, situation awareness, problem-solving, and decision-making — the same cognitive layer this program is built around ([EASA](#), [ICAO](#)).

Manufacturers are moving the same way on the maintenance side. Airbus describes its own 2026 training redesign as a shift “away from a traditional task-based philosophy toward an adaptable, data-driven, competency-based” model for pilots and mechanics alike ([Airbus, 2026](#)).

And the case only strengthens as automation grows. NASA's research on human-automation teaming frames the central safety question of the next decade not as whether people still need cognitive training, but how they stay engaged, aware, and ready to intervene when they are supervising systems rather than operating them directly ([NASA STRIVES, 2024](#)). As checklists get shorter and automation does more, this program exists to make sure our people's judgment gets sharper, not softer.

Our Commitment

Aircrew Cognitive Training is the client's long-term investment in every professional's mind, not just their hands. It will keep pace with where the industry is going, be grounded in real research rather than slogans, and stay open to every pilot group and every maintenance discipline that shares the same responsibility we all carry: to think clearly, act deliberately, and never let a decision rest on one mind alone.

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121 — Aircrew Cognitive Training — Program

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