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FOR IMMEDIATE RELEASE

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FYRLYT Secures Global "Triple-Crown" Certification for FYRFLY 640A Thermal Imaging System via EASA, FAA, and TCCA

ADELAIDE, AUSTRALIA (29 January 2026) – FYRLYT, an Australian innovator in high-performance vision systems, today announces a major regulatory milestone for the global aviation sector. The **FYRFLY 640A Avionic Thermal Imager** has officially achieved a "Triple-Crown" certification, following successful Supplemental Type Certificate (STC) validation by the world's three leading aviation authorities: the **European Union Aviation Safety Agency (EASA)**, the **Federal Aviation Administration (FAA)**, and **Transport Canada Civil Aviation (TCCA)**.

This global validation specifically covers the installation and integration of the FYRFLY 640A into the **Garmin G600 TXi** cockpit architecture on the **Air Tractor AT-802** platform. For fleet operators, avionics technicians, and maintenance organisations, this represents a certified configuration that eliminates the technical and regulatory hurdles previously associated with integrating advanced thermal optics into the cockpit.

Enhancing Pilot Safety Through Superior Situational Awareness

The FYRFLY 640A is designed specifically for pilots who are recognising the integration of thermal imaging as a critical necessity for improving safety. By providing real-time data regarding obstacle proximity, the system significantly reduces risk during challenging flying conditions and low-altitude operations.

In line with **a design ethos of first principles**, FYRLYT has prioritised high-stakes performance at an affordable price point, making advanced thermal imaging accessible to a broader range of professional aerial applications without compromising on certified reliability.

Technical Integration and Certification Highlights:

- **Cross-Jurisdictional Compliance:** Immediate airworthiness approval across Europe, the United States, and Canada, streamlining the path to fleet-wide deployment.
- **Seamless Avionics Integration:** Fully validated for the Garmin G600 TXi suite, ensuring the thermal feed functions as a native component of the cockpit's visual data stream.
- **Mission-Specific Optimisation:** Tested and certified on the Air Tractor AT-802, the industry standard for aerial firefighting and agricultural operations, ensuring durability against high-vibration and harsh environmental conditions.
- **Australian Design & Manufacture:** Proudly engineered and built in Australia, ensuring stringent quality control and direct access to the design team.
- **Official Documentation:** A comprehensive **Flight Manual Supplement (FMS)** is now available to authorised installers and operators to facilitate rapid, compliant integration.

"This is a massive leap forward for the FYRFLY 640A," said Paul Alisauskas of the FYRLYT Design Team. *"Securing validated status across EASA, FAA, and TCCA jurisdictions proves that our thermal imaging technology meets the most stringent safety and engineering standards in the world. It provides our international partners with the regulatory confidence to deploy this technology immediately."*

Professional Consultation & Specifications

As an Australian manufacturer focussed on serviceability and engineering logic, FYRLYT offers direct technical support to avionics installers and flight department managers. For technical specifications, integration diagrams, or to access the Flight Manual Supplement, professional stakeholders are encouraged to contact the Adelaide-based design team directly.

About FYRLYT

FYRLYT is a leader in high-performance thermal imaging and lighting solutions. Eschewing marketing trends in favour of scientific evidence and engineering excellence, FYRLYT products—including the FYRFLY avionic series and FYRLYT thermal imaging systems—are built to enhance safety and performance for professionals in the most demanding sectors.