



Jul 11, 2024 16:01 BST

ACR Electronics' New GADSS Distress Tracking Solution, the ARTEX ELT-DT, Receives TSO C142b (DO-227A) Approval for Non-Rechargeable Lithium Battery Containment

Fort Lauderdale, 11th July 2024 – ARTEX, a global leader in the design, development, and certification of Emergency Locator Transmitters (ELTs), with a current portfolio of over 20 ELTs in production, supporting the world's aviation OEMs from the smallest private aircraft to the largest commercial aircraft, proudly announces that its new flagship product, the [ARTEX ELT-DT](#)

[Distress Tracking \(DT\) ELT](#), is the first ELT-DT to receive TSO C142b (DO-227A) approval from the Federal Aviation Administration (FAA). A separate TSO for both the battery and the ELT-DT System are required for full FAA certification. This is a significant milestone on the way to full TSO approval for the ELT-DT.

TSO C142b is a stringent technical standard set by the FAA that specifically covers the requirements for non-rechargeable lithium battery systems used in aircraft equipment, including ELTs. These requirements include detailed specifications for the design, construction, performance, and testing of the battery system to ensure lithium containment in the event of thermal runaway.

The ARTEX ELT-DT, also known as the ACR Electronics ELT 5000, forms part of an aircraft system that is designed to meet the new [Global Aeronautical Distress and Safety System \(www.GADSS.com\)](http://www.GADSS.com) regulatory requirements, including distress tracking capabilities that enable search and rescue teams to swiftly locate aircraft in emergency situations that will be available on Boeing and Embraer aircraft in 2024.

"We are thrilled to announce the TSO C142b approval for the ARTEX ELT 5000," said Jeff Geraci, Vice President of ARTEX. "This certification paves the way for the ELT 5000 to obtain full TSO compliance. The ELT 5000 will provide a compliant and technically robust distress tracking solution to operators worldwide. Entry into service is imminent, and ARTEX will be ready to fill the mandate requirements of its customers."

In addition to its compliance with TSO C142b, the ARTEX ELT 5000 is finalizing its certification to FAA TSO C126c, which is expected imminently. Its robust construction, easy maintenance and programming, which is backed by our extensive network of over 30 Authorized Service Centers (ASC)s make it a preferred choice for aircraft manufacturers, operators, and airlines across the globe.

With the TSO C142b approval, the ARTEX ELT 5000 meets the new standards in battery compliance, reaffirming ARTEX's position as an industry leader in aviation safety technology.

For more information about the ARTEX ELT 5000 and other products from ARTEX, please visit www.acrartex.com/aviation

[Click here](#) to view this release on the ACR website.

About ACR Electronics, Inc.

As a world leader in safety and survival technologies for 65 years, ACR Electronics, Inc., manufactures and supports cutting-edge rescue beacons and survival equipment for the aviation, marine, outdoor and military markets. It is the foremost development center for emergency beacons that are designed with one purpose: to save lives. Its leading aviation brand, ARTEX, designs and manufactures a wide array of Emergency Locator Transmitters (ELTs), as well as battery packs and ELT accessories, for general, business, commercial and military aviation applications. ARTEX products are selected by the world's largest airframe manufacturers, airlines and governments, as well as private pilots, and are suitable for every type of fixed wing and rotorcraft aircraft. Engineered to work in all conditions when needed the most, ACR Electronics aviation products span a portfolio of brands including ACR, ARTEX, Skytrac, Flight Data Systems, Latitude Technologies, NAL Research, FreeFlight Systems and Bivy. The complete portfolio by ACR and ARTEX also includes Personal Locator Beacons (PLBs), iridium tracking and communication distress beacons, megaphones and distress lighting, and Flight Data Monitoring. For more information go to www.ACRARTEX.com

Contacts



Megan Liggett

Junior Account Manager

PR & Communications

m.liggett@saltwater-comms.com

+44 (0)1202 669244