



U.S. Department
of Transportation
**Federal Aviation
Administration**

Aircraft Certification Service
Compliance & Airworthiness Division

Atlanta ACO Branch
1701 Columbia Ave.
College Park, Georgia 30337

May 11, 2022

In reply, refer to FAA Correspondence #: 7A0-22-7324

Mr. Dan Stankovic
Director of Certification and Test
ACR Electronics, Inc.
5757 Ravenswood Road
Fort Lauderdale, FL 33312

Subject: TSOA Application C126b Artex ELT 4000 and Artex ELT 4000 HM

Dear Mr. Stankovic:

This is in reply to your letter, dated April 29, 2022, requesting TSO authorization for your Artex Emergency Locator Transmitter (ELT) Model Artex ELT 4000 (A3-06-3005-) and Artex ELT 4000 HM (A3-06-3005-1). We accept your statement certifying that your article meets the requirements of TSO-C126b and that you meet the requirements of Title 14 of the Code of Federal Regulations (14CFR) part 21, subpart O.

Effective this date, we authorize you to identify the following Artex Emergency Locator Transmitter with the marking requirements defined in 14 CFR 21.616(d) and in TSO-C126b.

<u>Part Number</u>	<u>Battery Description</u>
A3-06-3005	Artex ELT 4000
A3-06-3005-1	Artex ELT 4000 HM

We consider your quality system, as defined in your quality control manual, ACR Electronics, Inc. Document QMS-422, Rev J, dated December 6, 2021 satisfactory for production of this article at your Fort Lauderdale, Florida facility. ACR must furnish the following statement to the original owner or installer of each article (or multiple articles if furnished to one source):

The conditions and tests required for TSO approval of this article are minimum performance standards. Those installing this article either on or within a specific type or class of aircraft must determine that the aircraft installation conditions are within the TSO standards which include any accepted integrated non-TSO functions. TSO articles and any accepted integrated non-TSO functions must have separate approval for installation in an aircraft. The article may be installed only according to 14 CFR part 43 or the applicable airworthiness requirements.

The documents submitted with your letter below have been reviewed and added to our files in support of your application.

TSO Para.	TSO Requirement	ACR Electronics, Inc. Document
5.a.(1)	Operating Instructions and Limitations	Document Y1-03-0333, Rev H, dated Feb 9, 2021
5.a.(2)	Deviations	None
5.a.(3)	Installation Procedures and Limitations	Document Y1-03-0333, Rev H, dated Feb 9, 2021
5.a.(4) 5.c.	Software Documentation (The software is produced to Design Assurance Level D.)	Document Y1-12-0045, Rev B, dated Mar 14, 2020 Document Y1-12-0051, Rev B, dated Apr 22, 2022 Document K3-01-0155, Rev C, dated Aug 26, 2021
5.a.(5)	Environmental Qualification Form per RTCA/DO-160G, Appendix A for each component	Document Y1-03-0333, Rev H, dated Feb 9, 2021
5.a.(6)	Schematic Diagrams and Wiring Diagrams	Document Y1-01-0805, Rev D, dated Jan 15, 2020 Document Y1-01-0806, Rev A, dated Mar 6, 2017 Document Y1-01-0810, Rev C, dated Mar 23, 2020 Document Y1-03-0333, Rev H, dated Feb 9, 2021
5.a.(7)	List of Replaceable Components by Part Number	Document Y1-03-0333, Rev H, dated Feb 9, 2021
5.b.	Component Maintenance Manual	Document Y1-03-0333, Rev H, dated Feb 9, 2021
5.d.	Nameplate Drawing	Document A1-20-1955, Rev G, dated May 2, 2022
5.e.	Non-TSO Functions	Document Y1-13-0327, Rev A, dated Jan 2, 2017
5.f.	Quality Control System Description, Including functional test specifications	Document Y1-03-0333, Rev H, dated Feb 9, 2021 Document QSM-422, Rev J, dated Dec 6, 2021
5.g.	Material and Process Specification List	Document A3-06-3003, Rev E, dated Dec 11, 2019 Document A3-06-3005, Rev F, dated Mar 11, 2020 Document 452-5050-1 Rev J, dated Aug 23, 2017 Document 452-3052-1 Rev U, dated Jan 28, 2021 Document 452-5066-1 Rev G, dated Aug 23, 2017
5.h.	Drawing List	Document Y1-08-4000 Rev J, dated Jan 11, 2022
5.i.	TSO Qualification Test Report	Document Y1-13-0327 A, dated Jan 2, 2018
5.j.	Cospas-Sarsat Type Approval Certificate	Cospas-Sarsat Type Approval Certificate, Certificate Number: 298, dated January 26, 2018

This TSO authorization, issued pursuant to 14 CFR 21.611, is effective until surrendered, withdrawn or otherwise terminated under the provisions of 14 CFR 21.613. With notice, we may withdraw this TSO authorization if articles are not in compliance with the applicable TSO performance standard pursuant to 14 CFR 21.2.

You must provide one copy or online access to data listed as a furnished data requirement in the TSO to the original owner/installer of each article or multiple articles if furnished to one source (e.g., an operator, type certificate holder, or repair station).

You must obtain FAA approval before making any changes to the location of your manufacturing facilities pursuant to 14 CFR 21.609(b).

Without further FAA approval, we do not allow a manufacture to mark articles after it changes its company name, address, or ownership. You must notify the ACO and MIDO of name, address, or proposed ownership changes.

Pursuant to 14 CFR 21.614, a holder of a TSOA may not transfer it. If you wish to transfer it, you must request a transfer from the FAA.

Send to the office below any design change(s) for this TSO article as outlined in 14 CFR 21.619(a). You must notify us of minor design changes within six months.

Also, as recipient of this approval, except as provided in § 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in § 21.3(c). The report should be communicated initially by telephone to the Manager, Atlanta ACO Branch, telephone number (404) 474-5500, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Certification Office, at 9-ASO-ATLCOS-Reporting@faa.gov is required. FAA Form 8010-4 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details.

Please note that technical data the FAA retains may be subject to Freedom of Information Act (FOIA) requests. This office will notify you of any requests(s) pertaining to your data and give you the opportunity to protect the data from public disclosure.

If you have any questions regarding this authorization, contact the engineer for your program John Lee by email at John.Lee@faa.gov or by phone at 404-474-5568 or the program management specialist Cherice Clarke by email at cherice.k.clarke@faa.gov or by phone at 404-474-5537.

Sincerely,

for Christina M. Underwood
Manager, Atlanta ACO Branch
Compliance and Airworthiness Division
Aircraft Certification Service