



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

Small Airplane Directorate
Atlanta Aircraft Certification Office
1701 Columbia Ave.
College Park, Georgia 30337

March 08, 2016

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

In reply, reference FAA Correspondence #: 119A-16068-05

Dear Mr. Stankovic:

Technical Standard Order (TSO) C142a Approval for
Artex A3-06-2863 Battery Pack

We received your letter, dated January 11, 2016, in which you certified that the Artex, Inc. Model A3-06-2863 Battery Pack meets the Code of Federal Regulations (CFR) Part 21, Subpart 0, and the standards of TSO-C142a for Non-Rechargeable Lithium Cells and Batteries.

Your certification is acceptable. Your quality control manual has been previously approved by the FAA, and is on file in the Orlando Manufacturing Inspection District Office, ACE-ORL-MIDO. The following documents, submitted with your letter, have been reviewed and added to our files in support of your application:

TSO Data Requirements	Document Number	Title	Date
(a) Operating Instructions and Limitations	Y1-03-0269, Rev. T6	ELT 3000 Description, Operation, Installation & Maintenance Manual	12/12/14
(b) Installation Procedures and Limitations	Y1-03-0269, Rev. T6	ELT 3000 Description, Operation, Installation & Maintenance Manual	12/12/14
(c) Schematic Drawing	Y1-01-0759, Rev A	ELT 3000 Battery Board	3/20/14
(d) Wiring Diagrams	Y1-01-0759, Rev. A	ELT 3000 Battery Board	3/20/14
(e) List of Components by Part Number	A3-06-2863, Rev. A	Battery Tray, Ultralife	12/2/14
(f) Component Maintenance Manual	Y1-03-0269, Rev. T6	ELT 3000 Description, Operation, Installation & Maintenance Manual	12/12/14
(g) Material and Process	A3-06-2863, Rev. A	Battery Tray, Ultralife	12/2/14

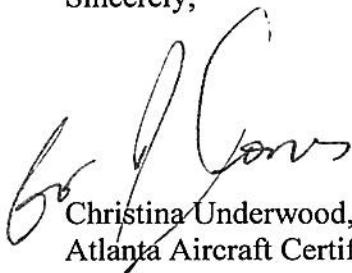
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(h) Quality Control System Description, Including functional test specifications	QSM-422 Rev. U & Y1-03-0269, Rev. T6	ACR Quality Manual & ELT 3000 Description, Operation, Installation & Maintenance Manual	10/12/12 & 12/12/14
(i) TSO Qualification Test Report	QTR-5406-01 QTR-5406-02 QTR-5406-03 QTR-5406-04 QTR-5406-05 QTR-5406-06 QTR-5406-07 QTR-5406-08 QTR-5406-09 QTR-5406-10 QTR-5406-11 QTR-5406-13 QTR-5406 20303-1	Vibration Testing Shock Testing Temperature Cycle Testing Altitude Testing Decompression Testing Humidity Testing Discharge / Forced Discharge Testing External Short Circuit Testing Load Profile Testing Vent Testing Crush Testing Fire Testing External Short Circuit, Overheat Certification Tests to TSO 142a & RTCA DO 227 Over Discharge	09/28/15 09/29/15 09/29/15 09/29/15 09/29/15 09/29/15 09/29/15 09/29/15 09/29/15 09/29/15 09/29/15 09/30/15 09/30/15 06/30/15 10/12/15
(j) Nameplate Drawing	A1-20-1809, Rev. B	Label, LiMnO2 Battery Pack	2/10/15
(k) Drawing List	A3-06-2863, Rev. A A1-13-0132, Rev. B	Battery Tray, Ultralife Battery Lithium Manganese Dioxide – TSO	12/2/14 2/18/14
(l) Environmental Qualification Form per RTCA/DO-160F, Appendix A for each component	Y1-03-0269, Rev. T6 & (Attachment A, this letter)	ELT 3000 Description, Operation, Installation & Maintenance Manual	12/12/14

Effective this date, you are authorized to use TSO procedures as prescribed in Subpart O of CFR Part 21, and to identify the Artex Model A3-06-2863 Battery Pack with the applicable TSO marking as required by TSO-C142a. This office must be notified of any design or manufacturing changes to the Model A3-06-2863 as outlined in CFR 21.611(a), with minor change submittal intervals not to exceed six months. As a TSO manufacturer, you are required to report to the FAA any failure, malfunctions, or defect related to your TSO authorization in accordance with the provisions of CFR 21.3. You must also notify the FAA when you no longer manufacture the TSO-approved article, as required by CFR 21.613(b).

This authorization pertains only to the manufacturing operations at the above address, And this office must be notified in advance of any proposed relocation. If you have any questions, please contact John Lee by email at John.Lee@faa.gov or by phone at 404-474-5568.

Sincerely,



Christina Underwood, Manager
Atlanta Aircraft Certification Office