



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

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

FAA Correspondence #: 15035-ACR-119A-MO-TSOAP-02

Please include the FAA Correspondence # to any correspondence associated with this project. Thank You

February 03, 2015

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

Dear Mr. Stankovic:

Technical Standard Order (TSO) C85b, approval for ACR Electronics MS-2000 Survival Locator Light, Model Firefly® Pro Waterbug™, part number A3-06-2806.

We received your letter, dated January 8, 2015, in which you certified that the ACR Electronics MS-2000 Survival Locator Light, Model Firefly® Pro Waterbug™, part number A3-06-2806, meets the Code of Federal Regulations (CFR) Part 21, Subpart 0, and the standards of TSO-C85b for Survival Locator Lights.

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:

Data Requirement as per TSO-C85b paragraph 5	Document Number	Document Title
a. Operating instructions and equipment limitations in an installation/instruction manual (IM),	Y1-03-0276	Firefly Pro Rescue Strobe Light Product Support Manual, Rev A
b. Installation procedures and limitations in an IM,	Y1-06-0289	PFD Attachment Instructions, Rev A
c. Schematic drawings of the installation procedures.	Y1-06-0289	PFD Attachment Instructions, Rev A
d. Wiring diagrams of the installation procedures.	Y1-06-0289	PFD Attachment Instructions, Rev A
e. List of components,	Y1-08-1001	Drawing Package, Rev A, 01/08/15



COPY

Data Requirement as per TSO-C85b paragraph 5	Document Number	Document Title
f. A component maintenance manual (CMM),	Y1-03-0276	Firefly Pro Rescue Strobe Light Product Support Manual, Rev A
g. Material and process specifications list.	Y1-08-1001	Drawing Package, Rev A, 01/08/15
h. The quality control system (QCS) description required by 14 CFR §§ 21.143 and 21.605(a)(3), including functional test specifications.	QSM-422	ACR Electronics, Inc Quality Manual, Rev U, 10/12/2012
	Y1-02-0531	Test Procedure, Rev A, 12/08/2014
i. Manufacturer's TSO qualification test report.	19833-1 13012-1	CERTIFICATION TEST REPORT, Imanna report, Oct. 14, 2013 Flame and Rubber Aging Report, Imanna report, June 6, 1994
j. Nameplate drawing with the information required by paragraph 4 of this TSO.	A1-20-1734	Decal Artwork, Back Side Housing, Rev C, 5/23/14
k. List of all drawings and processes (including revision level).	Y1-08-1001	Drawing Package, Rev A, 01/08/15

Software Data	Document Number	Document Title
Plan for Software Aspects of Certification (PSAC),	Y1-12-0014	MS2000 Firefly PRO Waterbug™ PLAN FOR SOFTWARE ASPECTS OF CERTIFICATION, Rev A1, 11/21/2014
Software Configuration Index, and	K3-01-0119	MS2000 Firefly PRO Waterbug™ Software Configuration Index, Rev B1, 11/21/2014
Software Accomplishment Summary (The software is produced to Design Assurance Level D.)	Y1-12-0019	MS2000 Firefly PRO Waterbug™ SOFTWARE ACCOMPLISHMENT SUMMARY, Rev A, 11/24/2014


Effective this date, you are authorized to use TSO procedures as prescribed in Subpart O of CFR Part 21, and to identify the ACR Electronics MS-2000 Survival Locator Light, Model Firefly® Pro Waterbug™, part number A3-06-2806 with the applicable TSO marking as required by TSO-C85b. This office must be notified of any design or manufacturing changes to the ACR Electronics MS-2000 Survival Locator Light, Model Firefly® Pro Waterbug™, part number A3-06-2806 as outlined in CFR 21.619(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,

A handwritten signature in black ink, appearing to read "Melvin D. Taylor". The signature is fluid and cursive, written over a light blue horizontal line.

Melvin D. Taylor, Manager, 
Atlanta Aircraft Certification Office
Federal Aviation Administration